As filed with the Securities and Exchange Commission on December 7, 2006

Registration No. 333-_____

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM SB-2

REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933

NEOPROBE CORPORATION

(name of small business issuer in its charter)

Delaware	**2835**	**31-1080091**
(State or other jurisdiction of incorporation or organization)	(Primary standard industrial classification number)	(IRS employer identification number)

425 Metro Place North, Suite 300
Dublin, Ohio 43017-1367
(614) 793-7500
(Address and telephone number of principal executive offices)

425 Metro Place North, Suite 300
Dublin, Ohio 43017-1367
(Address of principal place of business)

Brent L. Larson, Vice President, Finance and
Chief Financial Officer
Neoprobe Corporation
425 Metro Place North, Suite 300
Dublin, Ohio 43017-1367
(614) 793-7500
(Name, address and telephone number of agent for service)

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Approximate date of commencement of proposed sale to the public: As soon as practicable after the effective date of this registration statement.

If this form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. ☐

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box. ☒

If this form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. ☐

If this form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. ☐

If delivery of the prospectus is expected to be made pursuant to Rule 434, please check the following box. ☐

CALCULATION OF REGISTRATION FEE

Title of Each Class of Securities to be Registered	Proposed Amount to be Registered	Proposed Maximum Offering Price Per Share (1)	Proposed Maximum Offering Price (1)	Amount of Registration Fee
Common Stock, par value $.001 per share	13,440,000	$ 0.27	$ 3,628,800	$ 388.29

(1) Estimated solely for purposes of calculating the registration fee in accordance with Rule 457(c) under the Securities Act of 1933, using the average of the high and low price as reported on the Over-The-Counter Bulletin Board on December 6, 2006, which was $0.27 per share.

The Registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the Registrant shall file a further amendment which specifically states that this Registration Statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until the Registration Statement shall become effective on such date as the Commission, acting pursuant to said Section 8(a), may determine.

SUBJECT TO COMPLETION, DATED DECEMBER 7, 2006.

The information in this prospectus is not complete and may be changed. We may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and we are not soliciting offers to buy these securities in any state where the offer or sale is not permitted.

PROSPECTUS

NEOPROBE CORPORATION

13,440,000 Shares of Common Stock

This prospectus relates to the sale of up to 13,440,000 shares of our common stock by Fusion Capital Fund II, LLC (Fusion Capital). Fusion Capital is sometimes referred to in this prospectus as the selling stockholder. The prices at which Fusion Capital may sell the shares will be determined by the prevailing market price for the shares or in negotiated transactions. We will not receive proceeds from the sale of our shares by Fusion Capital.

Our common stock is registered under Section 12(g) of the Securities Exchange Act of 1934 and quoted on the Nasdaq Over-The-Counter Bulletin Board under the symbol "NEOP." On December 6, 2006, the last reported sale price for our common stock as reported on the Nasdaq Over-The-Counter Bulletin Board was $0.25 per share.

The selling stockholder is an “underwriter” within the meaning of the Securities Act of 1933, as amended.

THE SECURITIES OFFERED IN THIS PROSPECTUS INVOLVE A HIGH DEGREE OF RISK. YOU SHOULD CONSIDER THE RISK FACTORS BEGINNING ON PAGE 4 BEFORE PURCHASING OUR COMMON STOCK.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.

The date of this prospectus is December __, 2006.

Table of Contents

Unless otherwise specified, the information in this prospectus is set forth as of December 1, 2006, and we anticipate that changes in our affairs will occur after such date. We have not authorized any person to give any information or to make any representations, other than as contained in this prospectus, in connection with the offer contained in this prospectus. If any person gives you any information or makes representations in connection with this offer, do not rely on it as information we have authorized. This prospectus is not an offer to sell our common stock in any state or other jurisdiction to any person to whom it is unlawful to make such offer.

PROSPECTUS SUMMARY

The following summary highlights selected information from this prospectus and may not contain all the information that is important to you. To understand our business and this offering fully, you should read this entire prospectus carefully, including the financial statements and the related notes beginning on page F-1. When we refer in this prospectus to the "company," "we," "us," and "our," we mean Neoprobe Corporation, a Delaware corporation, together with our subsidiaries. This prospectus contains forward-looking statements and information relating to Neoprobe Corporation. See Cautionary Note Regarding Forward Looking Statements on page 15.

Our Company

Neoprobe Corporation (Neoprobe, the company or we) is a biomedical company that develops and commercializes innovative products that enhance patient care and improve patient outcome by meeting the critical intraoperative diagnostic information needs of physicians and therapeutic treatment needs of patients. We were originally incorporated in Ohio in 1983 and reincorporated in Delaware in 1988. Our executive offices are located at 425 Metro Place North, Suite 300, Dublin, Ohio 43017. Our telephone number is (614) 793-7500.

From our inception through 1998, we devoted substantially all of our efforts and resources to the research and clinical development of radiopharmaceutical and medical device technologies related to the intraoperative diagnosis and treatment of cancers, including our proprietary radioimmunoguided surgery (**RIGS**®) technology. At that point, an evaluation of the status of the regulatory pathway for our **RIGS** products coupled with our limited financial resources caused us to suspend development activities related to our radiopharmaceutical business and to retrench our organization to focus on our medical device business. After achieving profitability in 2000 following this retrenchment, we set out on a strategy to expand our medical device portfolio outside the cancer field. In December 2001, we took a major step in executing this strategy with the acquisition of Biosonix Ltd., a private Israeli company limited by shares, which we subsequently renamed Cardiosonix Ltd. (Cardiosonix). Cardiosonix is commercializing the **Quantix**® line of blood flow measurement devices for a variety of diagnostic and surgical applications in the cardiac and vascular management arena. The results of Cardiosonix' efforts to-date have not met with our original expectations; however, we continue to believe that the **Quantix** products can positively impact our medical device business over the next few years.

In addition, although our strategic focus expanded in 2001 to include blood flow measurement, we continued to look for other avenues to reinvigorate our radiopharmaceutical development. During 2004, our efforts resulted in a number of positive events that caused us to take steps to re-activate development of our radiopharmaceutical and therapeutic initiatives. As a result, we now have one of our radiopharmaceutical products, **Lymphoseek**® in a Phase 2 multi-center clinical trial and a second, **RIGScan**® CR, on the verge of entering a multi-center clinical trial. In early 2005, we also formed a new subsidiary, Cira Biosciences, Inc. (Cira Bio), to evaluate the current market opportunities for another technology platform, activated cellular therapy (ACT). Our unique virtual business model combines revenue generation from medical devices that contributes to covering our corporate overhead while we devote capital raised through financing efforts to increment development such as **Lymphoseek** look for a development partner to assist us in the clinical and commercial development for **RIGScan** CR and ACT.

The Offering

Fusion Capital, the selling stockholder under this prospectus, is offering for sale up to 13,440,000 shares of our common stock hereunder. On December 1, 2006, we entered into a common stock purchase agreement with Fusion Capital, an Illinois limited liability company. Under the terms of the common stock purchase agreement we have agreed to issue Fusion Capital a commitment fee consisting of 1,440,000 shares of our common stock, of which we have issued 720,000 shares, and we will issue the remaining 720,000 shares of the commitment fee pro rata as we sell $6,000,000 of our common stock to Fusion Capital. We have authorized up to 12,000,000 shares of our common stock for sale to Fusion Capital under the agreement. As of December 7, 2006, there were 59,410,046 shares of our common stock outstanding (58,160,491 shares held by non-affiliates) excluding the 12,000,000 shares offered by Fusion Capital pursuant to this prospectus which it has not yet purchased from us and the remaining 720,000 commitment fee shares to be issued pro rata as we sell the $6,000,000 of our common stock to Fusion Capital. If all of such 12,720,000 shares offered hereby were issued and outstanding as of the date hereof, the 12,000,000 shares would represent 16.6% of the total common stock outstanding or 16.9% of the non-affiliates shares outstanding as of the date hereof. The number of shares ultimately offered for sale by Fusion Capital is dependent upon the number of shares purchased by Fusion Capital under the agreement.

We do not have the right to commence any sales of our shares to Fusion Capital until the Securities & Exchange Commission has declared effective the registration statement of which this prospectus forms a part. After the Securities & Exchange Commission has declared effective such registration statement, generally we have the right but not the obligation from time to time to sell our shares to Fusion Capital in amounts between $50,000 and $1.0 million depending on certain conditions set forth in the common stock purchase agreement we have entered into with Fusion Capital. We have the right to control the timing and amount of any sales of our shares to Fusion Capital. The purchase price of the shares will be determined based upon the market price of our shares without any fixed discount at the time of each sale. Fusion Capital shall not have the right nor the obligation to purchase any shares of our common stock on any business day that the price of our common stock is below $0.20. The common stock purchase agreement may be terminated by us at any time at our discretion without any cost to us.

An investment in our common stock is highly speculative and involves a high degree of risk. See Risk Factors beginning on page 4.

RISK FACTORS

An investment in our common stock is highly speculative, involves a high degree of risk, and should be made only by investors who can afford a complete loss. You should carefully consider the following risk factors, together with the other information in this prospectus, including our financial statements and the related notes, before you decide to buy our common stock. Our most significant risks and uncertainties are described below; however, they are not the only risks we face. If any of the following risks actually occur, our business, financial condition, or results of operations could be materially adversely affected, the trading of our common stock could decline, and you may lose all or part of your investment therein.

We have suffered significant operating losses for several years in our history and we may not be able to again achieve profitability.

We had an accumulated deficit of approximately $134 million as of September 30, 2006. Although we were profitable in 2000 and in 2001, we incurred substantial losses in the years prior to that, and again in 2002 through 2005. The deficit resulted because we expended more money in the course of researching, developing and enhancing our technology and products and establishing our marketing and administrative organizations than we generated in revenues. We expect to continue to incur significant expenses in the foreseeable future, primarily related to the completion of development and commercialization of the **Lymphoseek**, but also potentially related to **RIGS** and the **Quantix** product line. As a result, we are sustaining substantial operating and net losses, and it is possible that we will never be able to sustain or develop the revenue levels necessary to again attain profitability.

Our products and product candidates may not achieve the broad market acceptance they need in order to be a commercial success.

Widespread use of our handheld gamma detection devices is currently limited to one surgical procedure, intraoperative lymphatic mapping (ILM), used in the diagnosis and treatment of two primary types of cancer: melanoma and breast cancer. While the adoption of ILM within the breast and melanoma indications appears to be widespread, expansion of ILM to other indications such as colorectal and prostate cancers is likely dependent on a better lymphatic tissue targeting agent than is currently available. Without expanded indications in which to apply ILM, it is likely that gamma detection devices will reach market saturation. Our efforts and those of our marketing and distribution partners may not result in significant demand for our products, and the current demand for our products may decline.

Our future success will also be affected by the success of the Cardiosonix product line. To date, our efforts to place Cardiosonix' products have met with limited success. The long-term commercial success of the Cardiosonix product line will require widespread acceptance of our products as safe, efficient and cost-effective in the treatment of the cardiac and vascular indications for which they are intended. Widespread acceptance of blood flow measurement would represent a significant change in current medical practice patterns. Other cardiac monitoring procedures, such as pulmonary artery catheterization, are generally accepted in the medical community and have a long standard of use. It is possible that the Cardiosonix product line will never achieve the broad market acceptance necessary to become a commercial success.

Our radiopharmaceutical product candidates, **Lymphoseek** and **RIGScan** CR, are still in the process of development, and even if we are successful in commercializing them, we cannot assure you that they will obtain significant market acceptance.

Clinical trials for our radiopharmaceutical product candidates will be lengthy and expensive and their outcome is uncertain.

Before obtaining regulatory approval for the commercial sale of any product candidates, we must demonstrate through preclinical testing and clinical trials that our product candidates are safe and effective for use in humans. Conducting clinical trials is a time consuming, expensive and uncertain process and may take years to complete. We only recently commenced a Phase 2 clinical trial for our most advanced radiopharmaceutical product candidate, **Lymphoseek**, and we are taking steps to evaluate commencement of a Phase 3 clinical trial our next radiopharmaceutical candidate, **RIGScan** CR. Historically, the results from preclinical testing and early clinical trials have often not been predictive of results obtained in later clinical trials. Frequently, drugs that have shown promising results in preclinical or early clinical trials subsequently fail to establish sufficient safety and efficacy data necessary to obtain regulatory approval. At any time during the clinical trials, we, our collaborative partners or FDA might delay or halt any clinical trials for our product candidates for various reasons, including:

- ineffectiveness of the product candidate;
- discovery of unacceptable toxicities or side effects;
- development of disease resistance or other physiological factors;
- delays in patient enrollment; or
- other reasons that are internal to the businesses of our potential collaborative partners, which reasons they may not share with us.

The results of the clinical trials may fail to demonstrate the safety or effectiveness of our product candidates to the extent necessary to obtain regulatory approval or such that commercialization of our product candidates is worthwhile. Any failure or substantial delay in successfully completing clinical trials and obtaining regulatory approval for our product candidates could severely harm our business.

If we fail to obtain collaborative partners, or those we obtain fail to perform their obligations or discontinue clinical trials for particular product candidates, our ability to develop and market potential products could be severely limited.

Our strategy for the development and commercialization of our product candidates depends, in large part, upon the formation of collaborative arrangements. Collaborations may allow us to:

- generate cash flow and revenue;
- offset some of the costs associated with our internal research and development, preclinical testing, clinical trials and manufacturing;
- seek and obtain regulatory approvals faster than we could on our own; and,
- successfully commercialize existing and future product candidates.

We do not currently have collaborative agreements covering **Lymphoseek, RIGScan** CR or ACT. We cannot assure you that we will be successful in securing collaborative partners, or that we will be able to negotiate acceptable terms for such arrangements. The development, regulatory approval and commercialization of our product candidates will depend substantially on the efforts of collaborative partners, and if we fail to secure or maintain successful collaborative arrangements, or if our partners fail to perform their obligations, our development, regulatory, manufacturing and marketing activities may be delayed, scaled back or suspended.

We rely on third parties for the worldwide marketing and distribution of our gamma detection and blood flow measurement devices, who may not be successful in selling our products.

We currently distribute our gamma detection devices in most global markets through two partners who are solely responsible for marketing and distributing these products. The partners assume direct responsibility for business risks related to credit, currency exchange, foreign tax laws or tariff and trade regulation. Our blood flow products are marketed and sold in the U.S. and a number of foreign markets through other distribution partners specific to those markets. Further, we have had only limited success to-date in marketing or selling our **Quantix** line of blood flow products. While we believe that our distribution partners intend to continue to aggressively market our products, we cannot assure you that the distribution partners will succeed in marketing our products on a global basis. We may not be able to maintain satisfactory arrangements with our marketing and distribution partners, who may not devote adequate resources to selling our products. If this happens, we may not be able to successfully market our products, which would decrease our revenues.

Our radiopharmaceutical product candidates are subject to extensive government regulations and we may not be able to obtain necessary regulatory approvals.

We may not receive the regulatory approvals necessary to commercialize our **Lymphoseek** and **RIGScan** product candidates, which could cause our business to be severely harmed. Our product candidates are subject to extensive and rigorous government regulation. FDA regulates, among other things, the development, testing, manufacture, safety, record-keeping, labeling, storage, approval, advertising, promotion, sale and distribution of pharmaceutical products. If our potential products are marketed abroad, they will also be subject to extensive regulation by foreign governments. None of our product candidates has been approved for sale in the United States or any foreign market. The regulatory review and approval process, which includes preclinical studies and clinical trials of each product candidate, is lengthy, complex, expensive and uncertain. Securing FDA approval requires the submission of extensive preclinical and clinical data and supporting information to FDA for each indication to establish the product candidate's safety and efficacy. Data obtained from preclinical and clinical trials are susceptible to varying interpretation, which may delay, limit or prevent regulatory approval. The approval process may take many years to complete and may involve ongoing requirements for post-marketing studies. In light of the limited regulatory history of monoclonal antibody-based therapeutics, regulatory approvals for our products may not be obtained without lengthy delays, if at all. Any FDA or other regulatory approvals of our product candidates, once obtained, may be withdrawn. The effect of government regulation may be to:

- delay marketing of potential products for a considerable period of time;
- limit the indicated uses for which potential products may be marketed;
- impose costly requirements on our activities; and
- provide competitive advantage to other pharmaceutical and biotechnology companies.

We may encounter delays or rejections in the regulatory approval process because of additional government regulation from future legislation or administrative action or changes in FDA policy during the period of product development, clinical trials and FDA regulatory review. Failure to comply with applicable FDA or other applicable regulatory requirements may result in criminal prosecution, civil penalties, recall or seizure of products, total or partial suspension of production or injunction, as well as other regulatory action against our product candidates or us. Outside the United States, our ability to market a product is contingent upon receiving clearances from the appropriate regulatory authorities. This foreign regulatory approval process includes similar risks to those associated with FDA approval process.

Our radiopharmaceutical product candidates will remain subject to ongoing regulatory review even if they receive marketing approval. If we fail to comply with continuing regulations, we could lose these approvals and the sale of our products could be suspended.

Even if we receive regulatory approval to market a particular product candidate, the approval could be conditioned on us conducting additional costly post-approval studies or could limit the indicated uses included in our labeling. Moreover, the product may later cause adverse effects that limit or prevent its widespread use, force us to withdraw it from the market or impede or delay our ability to obtain regulatory approvals in additional countries. In addition, the manufacturer of the product and its facilities will continue to be subject to FDA review and periodic inspections to ensure adherence to applicable regulations. After receiving marketing approval, the manufacturing, labeling, packaging, adverse event reporting, storage, advertising, promotion and record keeping related to the product will remain subject to extensive regulatory requirements. We may be slow to adapt, or we may never adapt, to changes in existing regulatory requirements or adoption of new regulatory requirements.

If we fail to comply with the regulatory requirements of FDA and other applicable U.S. and foreign regulatory authorities or previously unknown problems with our products, manufacturers or manufacturing processes are discovered, we could be subject to administrative or judicially imposed sanctions, including:

- restrictions on the products, manufacturers or manufacturing processes;
- warning letters;
- civil or criminal penalties;
- fines;
- injunctions;
- product seizures or detentions;
- import bans;
- voluntary or mandatory product recalls and publicity requirements;
- suspension or withdrawal of regulatory approvals;
- total or partial suspension of production; and
- refusal to approve pending applications for marketing approval of new drugs or supplements to approved applications.

Our existing products are highly regulated and we could face severe problems if we do not comply with all regulatory requirements in the global markets in which these products are sold.

FDA regulates our gamma detection and blood flow products in the United States. Foreign countries also subject these products to varying government regulations. In addition, these regulatory authorities may impose limitations on the use of our products. FDA enforcement policy strictly prohibits the marketing of FDA cleared medical devices for unapproved uses. Within the European Union, our products are required to display the CE Mark in order to be sold. We have obtained FDA clearance to market and European certification to display the CE Mark on our current line of gamma detection systems and on two blood flow products, the **Quantix/ND** and **Quantix/OR**. We may not be able to obtain clearance to market for any new products in a timely manner, or at all. Failure to comply with these and other current and emerging regulatory requirements in the global markets in which our products are sold could result in, among other things, warning letters, fines, injunctions, civil penalties, recall or seizure of products, total or partial suspension of production, refusal of the government to grant pre-market clearance for devices, withdrawal of clearances, and criminal prosecution.

We rely on third parties to manufacture our products and our business will suffer if they do not perform.

We rely on independent contract manufacturers for the manufacture of our current **neo2000®** line of gamma detection systems and for our **Quantix** line of blood flow monitoring products. Our business will suffer if our contract manufacturers have production delays or quality problems. Furthermore, medical device manufacturers are subject to the QSR of FDA, international quality standards, and other regulatory requirements. If our contractors do not operate in accordance with regulatory requirements and quality standards, our business will suffer. We use or rely on components and services used in our devices that are provided by sole source suppliers. The qualification of additional or replacement vendors is time consuming and costly. If a sole source supplier has significant problems supplying our products, our sales and revenues will be hurt until we find a new source of supply. In addition, our distribution agreement with EES for gamma devices contains failure to supply provisions, which, if triggered, could have a significant negative impact on our business.

We may be unable to establish the pharmaceutical manufacturing capabilities necessary to develop and commercialize our potential products.

We do not have our own manufacturing facility for the manufacture of the radiopharmaceutical compounds necessary for clinical testing or commercial sale. We intend to rely in part on third-party contract manufacturers to produce sufficiently large quantities of drug materials that are and will be needed for clinical trials and commercialization of our potential products. Third-party manufacturers may not be able to meet our needs with respect to timing, quantity or quality of materials. If we are unable to contract for a sufficient supply of needed materials on acceptable terms, or if we should encounter delays or difficulties in our relationships with manufacturers, our clinical trials may be delayed, thereby delaying the submission of product candidates for regulatory approval and the market introduction and subsequent commercialization of our potential products. Any such delays may lower our revenues and potential profitability.

We may develop our manufacturing capacity in part by expanding our current facilities or building new facilities. Either of these activities would require substantial additional funds and we would need to hire and train significant numbers of employees to staff these facilities. We may not be able to develop manufacturing facilities that are sufficient to produce drug materials for clinical trials or commercial use. We and any third-party manufacturers that we may use must continually adhere to current Good Manufacturing Practices regulations enforced by FDA through its facilities inspection program. If our facilities or the facilities of third-party manufacturers cannot pass a pre-approval plant inspection, FDA will not grant approval to our product candidates. In complying with these regulations and foreign regulatory requirements, we and any of our third-party manufacturers will be obligated to expend time, money and effort on production, record-keeping and quality control to assure that our potential products meet applicable specifications and other requirements. If we or any third-party manufacturer with whom we may contract fail to maintain regulatory compliance, we or the third party may be subject to fines and/or manufacturing operations may be suspended.

Unfavorable pricing regulations, third-party reimbursement practices or healthcare reform initiatives applicable to our products and product candidates could limit our potential product revenue.

The regulations governing drug pricing and reimbursement vary widely from country to country. Some countries require approval of the sale price of a drug before it can be marketed and, in many of these countries, the pricing review period begins only after approval is granted. In some countries, prescription pharmaceutical pricing remains subject to continuing governmental control even after initial approval is granted. Although we monitor these regulations, our product candidates are currently in the development stage and we will not be able to assess the impact of price regulations for at least several years. As a result, we may obtain regulatory approval for a product in a particular country, but then be subject to price regulations that may delay the commercial launch of the product and may negatively impact the revenues we are able to derive from sales in that country.

The healthcare industry is undergoing fundamental changes resulting from political, economic and regulatory influences. In the United States, comprehensive programs have been proposed that seek to increase access to healthcare for the uninsured, control the escalation of healthcare expenditures within the economy and use healthcare reimbursement policies to balance the federal budget.

We expect that Congress and state legislatures will continue to review and assess healthcare proposals, and public debate of these issues will likely continue. We cannot predict which, if any, of such reform proposals will be adopted and when they might be adopted. Other countries also are considering healthcare reform. Significant changes in healthcare systems could have a substantial impact on the manner in which we conduct our business and could require us to revise our strategies.

We may have difficulty raising additional capital, which could deprive us of necessary resources.

We expect to continue to devote significant capital resources to fund research and development and to maintain existing and secure new manufacturing capacity. In order to support the initiatives envisioned in our business plan, we may need to raise additional funds through the sale of assets, public or private debt or equity financing, collaborative relationships or other arrangements. Our ability to raise additional financing depends on many factors beyond our control, including the state of capital markets, the market price of our common stock and the development or prospects for development of competitive technology by others. Because our common stock is not listed on a major stock market, many investors may not be willing or allowed to purchase it or may demand steep discounts. Sufficient additional financing may not be available to us or may be available only on terms that would result in further dilution to the current owners of our common stock. If we are unable to raise additional funds when we need them, we may have to severely curtail our operations.

Market conditions may not permit us to effectively sell shares under our stock purchase agreement with Fusion Capital.

We believe that we have sufficient financial resources to fund our operations or those of our subsidiaries through the end of 2006 and into 2007. We will likely need to raise capital during 2007 in order to continue our current business plan beyond mid-2007. If we are unsuccessful in raising additional capital, we may have to modify our business plan.

Under our stock purchase agreement with Fusion Capital, we only have the right to receive $50,000 every four business days under the agreement, unless our stock price equals or exceeds $0.30, in which case we can sell greater amounts to Fusion Capital as the price of our common stock increases. Fusion Capital shall not have the right nor the obligation to purchase any shares of our common stock on any business day that the market price of our common stock is less than $0.20. Since we registered 12,000,000 shares for sale by Fusion Capital pursuant to this prospectus, the selling price of our common stock to Fusion Capital will have to average at least $0.50 per share for us to receive the maximum proceeds of $6 million. Assuming a purchase price of $0.25 per share (the closing sale price of the common stock on December 6, 2006) and the purchase by Fusion Capital of the full 12,000,000 shares under the common stock purchase agreement, proceeds to us would only be $3,000,000.

The extent we rely on Fusion Capital as a source of funding will depend on a number of factors including, the prevailing market price of our common stock and the extent to which we are able to secure working capital from other sources**,** such as through the sale of our products. Specifically, Fusion Capital shall not have the right nor the obligation to purchase any shares of our common stock on any business days that the market price of our common stock is less than $0.20. If obtaining sufficient financing from Fusion Capital were to prove unavailable or prohibitively dilutive and if we are unable to sell enough of our products, we will need to secure another source of funding in order to satisfy our working capital needs. Even if we are able to access the full $6.0 million under the agreement with Fusion Capital, we may still need additional capital to fully implement our business, operating and development plans. Should the financing we require to sustain our working capital needs be unavailable or prohibitively expensive when we require it, the consequences could be a material adverse effect on our business, operating results, financial condition and prospects.

The sale of the shares of common stock acquired in private placements could cause the price of our common stock to decline.

During 2003 and 2004, we completed several financings in which we issued common stock, convertible notes, warrants and other securities convertible into common stock to certain private investors and as required under the terms of those transactions, we filed registration statements with the United States Securities and Exchange Commission (SEC) under which the investors may resell to the public common stock acquired in these transactions, as well as common stock acquired on the exercise of the warrants and convertible securities held by them.

The selling stockholders under these registration statements may sell none, some or all of the shares of common stock acquired from us, as well as common stock acquired on the exercise of the warrants and convertible securities held by them. We have no way of knowing whether or when the selling stockholders will sell the shares covered by these registration statements. Depending upon market liquidity at the time, a sale of shares covered by these registration statements at any given time could cause the trading price of our common stock to decline. The sale of a substantial number of shares of our common stock under these registration statements, or anticipation of such sales, could make it more difficult for us to sell equity or equity-related securities in the future at a time and at a price that we might otherwise wish to effect sales.

The sale of our common stock to Fusion Capital may cause dilution and the sale of the shares of common stock acquired by Fusion Capital could cause the price of our common stock to decline

In connection with entering into the agreement, we authorized the sale to Fusion Capital of up to 12,000,000 shares of our common stock and the issuance of 1,440,000 shares as a commitment fee. The number of shares ultimately offered for sale by Fusion Capital under this prospectus is dependent upon the number of shares purchased by Fusion Capital under the agreement. The purchase price for the common stock to be sold to Fusion Capital pursuant to the common stock purchase agreement will fluctuate based on the price of our common stock. All 13,440,000 shares registered in this offering are expected to be freely tradable. It is anticipated that shares registered in this offering will be sold over a period of up to 24 months from the date of this prospectus. Depending upon market liquidity at the time, a sale of shares under this offering at any given time could cause the trading price of our common stock to decline. Fusion Capital may ultimately purchase all, some or none of the 12,000,000 shares of common stock not yet issued but registered in this offering. After it has acquired such shares, it may sell all, some or none of such shares. Therefore, sales to Fusion Capital by us under the agreement may result in substantial dilution to the interests of other holders of our common stock. The sale of a substantial number of shares of our common stock under this offering, or anticipation of such sales, could make it more difficult for us to sell equity or equity-related securities in the future at a time and at a price that we might otherwise wish to effect sales. However, we have the right to control the timing and amount of any sales of our shares to Fusion Capital and the agreement may be terminated by us at any time at our discretion without any cost to us.

We may lose out to larger and better-established competitors.

The medical device and biotechnology industries are intensely competitive. Some of our competitors have significantly greater financial, technical, manufacturing, marketing and distribution resources as well as greater experience in the medical device industry than we have. The particular medical conditions our product lines address can also be addressed by other medical devices, procedures or drugs. Many of these alternatives are widely accepted by physicians and have a long history of use. Physicians may use our competitors' products and/or our products may not be competitive with other technologies. If these things happen, our sales and revenues will decline. In addition, our current and potential competitors may establish cooperative relationships with large medical equipment companies to gain access to greater research and development or marketing resources. Competition may result in price reductions, reduced gross margins and loss of market share.

Our products may be displaced by newer technology.

The medical device and biotechnology industries are undergoing rapid and significant technological change. Third parties may succeed in developing or marketing technologies and products that are more effective than those developed or marketed by us, or that would make our technology and products obsolete or non-competitive. Additionally, researchers could develop new surgical procedures and medications that replace or reduce the importance of the procedures that use our products. Accordingly, our success will depend, in part, on our ability to respond quickly to medical and technological changes through the development and introduction of new products. We may not have the resources to do this. If our products become obsolete and our efforts to develop new products do not result in any commercially successful products, our sales and revenues will decline.

We may not have sufficient legal protection against infringement or loss of our intellectual property, and we may lose rights to our licensed intellectual property if diligence requirements are not met.

Our success depends, in part, on our ability to secure and maintain patent protection, to preserve our trade secrets, and to operate without infringing on the patents of third parties. While we seek to protect our proprietary positions by filing United States and foreign patent applications for our important inventions and improvements, domestic and foreign patent offices may not issue these patents. Third parties may challenge, invalidate, or circumvent our patents or patent applications in the future. Competitors, many of which have significantly more resources than we have and have made substantial investments in competing technologies, may apply for and obtain patents that will prevent, limit, or interfere with our ability to make, use, or sell our products either in the United States or abroad.

In the United States, patent applications are secret until patents issue, and in foreign countries, patent applications are secret for a time after filing. Publications of discoveries tend to significantly lag the actual discoveries and the filing of related patent applications. Third parties may have already filed applications for patents for products or processes that will make our products obsolete or will limit our patents or invalidate our patent applications.

We typically require our employees, consultants, advisers and suppliers to execute confidentiality and assignment of invention agreements in connection with their employment, consulting, advisory, or supply relationships with us. They may breach these agreements and we may not obtain an adequate remedy for breach. Further, third parties may gain access to our trade secrets or independently develop or acquire the same or equivalent information.

Agencies of the United States government conducted some of the research activities that led to the development of antibody technology that some of our proposed antibody-based surgical cancer detection products use. When the United States government participates in research activities, it retains rights that include the right to use the technology for governmental purposes under a royalty-free license, as well as rights to use and disclose technical data that could preclude us from asserting trade secret rights in that data and software.

The patents underlying our radiopharmaceutical products and ACT technology are exclusively licensed to us by third parties, and the relevant license agreements require us to use diligence in the development and commercialization of products using the licensed patents. Our failure to meet the diligence requirements in any license agreement may result in our loss of some or all of our license rights to the patents licensed thereunder.

The government grants Cardiosonix has received for research and development expenditures restrict our ability to manufacture blood flow monitoring products and transfer technologies outside of Israel and require us to satisfy specified conditions. If we fail to satisfy these conditions, we may be required to refund grants previously received together with interest and penalties, and may be subject to criminal charges.

Cardiosonix received grants from the government of Israel through the Office of the Chief Scientist (OCS) of the Ministry of Industry and Trade for the financing of a portion of its research and development expenditures associated with our blood flow monitoring products. From 1998 to 2001, Cardiosonix received grants totaling $775,000 from the OCS. The terms of the OCS grants may affect our efforts to transfer manufacturing of products developed using these grants outside of Israel without special approvals. In January 2006, the OCS consented to the transfer of manufacturing as long as Neoprobe complies with the terms of the OCS statutes under Israeli law. As long as we maintain at least 10% Israeli content in our blood flow devices, we will pay a royalty rate of 4% on sales of applicable blood flow devices and must repay the OCS a total of $1.2 million in royalties. However, should the amount of Israeli content of our blood flow device products decrease below 10%, the royalty rate could increase to 5% and the total royalty payments due could increase to $2.3 million. This may impair our ability to effectively outsource manufacturing or engage in similar arrangements for those products or technologies. In addition, if we fail to comply with any of the conditions imposed by the OCS, we may be required to refund any grants previously received together with interest and penalties, and may be subject to criminal charges. In recent years, the government of Israel has accelerated the rate of repayment of OCS grants related to other grantees and may further accelerate them in the future.

We may lose the license rights to certain in-licensed products if we do not exercise adequate diligence.

Our license agreements for **Lymphoseek**, **RIGS**, and ACT contain provisions that require that we demonstrate certain amounts of ongoing diligence in the continuing research and development of these potential products. Should we fail to demonstrate an adequate amount of diligence in accordance with each of the agreements covering our current rights to the product, we may lose our development and commercialization rights to that potential product. We cannot assure you that we will be able to demonstrate diligence that will be timely, satisfactory to the licensor, or at all.

We could be damaged by product liability claims.

Our products are used or intended to be used in various clinical or surgical procedures. If one of our products malfunctions or a physician misuses it and injury results to a patient or operator, the injured party could assert a product liability claim against our company. We currently have product liability insurance with a $10 million per occurrence limit, which we believe is adequate for our current activities. However, we may not be able to continue to obtain insurance at a reasonable cost. Furthermore, insurance may not be sufficient to cover all of the liabilities resulting from a product liability claim, and we might not have sufficient funds available to pay any claims over the limits of our insurance. Because personal injury claims based on product liability in a medical setting may be very large, an underinsured or an uninsured claim could financially damage our company.

We may have trouble attracting and retaining qualified personnel and our business may suffer if we do not.

Our business has experienced developments the past two years that have resulted in several significant changes in our strategy and business plan, including the shifting of resources to support our current product initiatives and downsizings to what we consider to be the minimal support structure necessary to operate a publicly traded company. Our management will need to remain flexible to support our business model over the next few years. However, losing members of the Neoprobe management team could have an adverse effect on our operations. Our success depends on our ability to attract and retain technical and management personnel with expertise and experience in the medical device business. The competition for qualified personnel in the medical device industry is intense and we may not be successful in hiring or retaining the requisite personnel. If we are unable to attract and retain qualified technical and management personnel, we will suffer diminished chances of future success.

Our secured indebtedness imposes significant restrictions on us, and a default could cause us to cease operations.

All of our material assets, except the intellectual property associated with our **Lymphoseek**, **RIGS** and ACT products under development, have been pledged as collateral for the $8.1 million in principal amount of our Series A Convertible Notes due December 12, 2008, issued by the Company pursuant to the Securities Purchase Agreement, dated as of December 13, 2004, by and among the Borrower, Biomedical Value Fund, L.P., Biomedical Offshore Value Fund, Ltd. and David C. Bupp, as amended by the Amendment dated as of November 30, 2006. (the Notes). In addition to the security interest in our assets, the Notes carry substantial covenants that impose significant requirements on us, including, among others, requirements that:

- we pay all principal, interest and other charges on the Notes when due;
- we use the proceeds from the sale of the Notes only for permitted purposes, such as **Lymphoseek** development and general corporate purposes;
- we nominate and recommend for election as a director a person designated by the holders of the Notes;
- we keep reserved out of our authorized shares of common stock sufficient shares to satisfy our obligation to issue shares on conversion of the Notes and the exercise of the warrants issued in connection with the sale of the Notes; and,
- we indemnify the purchasers of the Notes against certain liabilities.

Additionally, with certain exceptions, the Notes prohibit us from:

- amending our organizational or governing agreements and documents, entering into any merger or consolidation, dissolving the company or liquidating its assets, or acquiring all or any substantial part of the business or assets of any other person;
- engaging in transactions with any affiliate;
- entering into any agreement inconsistent with our obligations under the Notes and related agreements;
- incurring any indebtedness, capital leases, or contingent obligations outside the ordinary course of business;
- granting or permitting liens against or security interests in our assets;
- making any material dispositions of our assets outside the ordinary course of business;
- declaring or paying any dividends or making any other restricted payments; or
- making any loans to or investments in other persons outside of the ordinary course of business.

Our ability to comply with these provisions may be affected by changes in our business condition or results of our operations, or other events beyond our control. The breach of any of these covenants would result in a default under the Notes, permitting the holders of the Notes to accelerate their maturity and to sell the assets securing them. Such actions by the holders of the Notes could cause us to cease operations or seek bankruptcy protection.

Our common stock is traded over the counter, which may deprive stockholders of the full value of their shares.

Our common stock is quoted via the National Association of Securities Dealers' Over The Counter Bulletin Board (OTCBB). As such, our common stock may have fewer market makers, lower trading volumes and larger spreads between bid and asked prices than securities listed on an exchange such as the New York Stock Exchange or the NASDAQ Stock Market. These factors may result in higher price volatility and less market liquidity for the common stock.

A low market price may severely limit the potential market for our common stock.

Our common stock is currently trading at a price substantially below $5.00 per share, subjecting trading in the stock to certain SEC rules requiring additional disclosures by broker-dealers. These rules generally apply to any non-NASDAQ equity security that has a market price share of less than $5.00 per share, subject to certain exceptions (a "penny stock"). Such rules require the delivery, prior to any penny stock transaction, of a disclosure schedule explaining the penny stock market and the risks associated therewith and impose various sales practice requirements on broker-dealers who sell penny stocks to persons other than established customers and institutional or wealthy investors. For these types of transactions, the broker-dealer must make a special suitability determination for the purchaser and have received the purchaser's written consent to the transaction prior to the sale. The broker-dealer also must disclose the commissions payable to the broker-dealer, current bid and offer quotations for the penny stock and, if the broker-dealer is the sole market maker, the broker-dealer must disclose this fact and the broker-dealer's presumed control over the market. Such information must be provided to the customer orally or in writing before or with the written confirmation of trade sent to the customer. Monthly statements must be sent disclosing recent price information for the penny stock held in the account and information on the limited market in penny stocks. The additional burdens imposed upon broker-dealers by such requirements could discourage broker-dealers from effecting transactions in our common stock.

The price of our common stock has been highly volatile due to several factors that will continue to affect the price of our stock.

Our common stock traded as low as $0.20 per share and as high as $0.36 per share during the twelve-month period ended November 30, 2006. The market price of our common stock has been and is expected to continue to be highly volatile. Factors, including announcements of technological innovations by us or other companies, regulatory matters, new or existing products or procedures, concerns about our financial position, operating results, litigation, government regulation, developments or disputes relating to agreements, patents or proprietary rights, may have a significant impact on the market price of our stock. In addition, potential dilutive effects of future sales of shares of common stock by stockholders and by the Company, including Fusion Capital pursuant to this prospectus and subsequent sale of common stock by the holders of warrants and options could have an adverse effect on the market price of our shares.

Some additional factors which could lead to the volatility of our common stock include:

- price and volume fluctuations in the stock market at large which do not relate to our operating performance;
- financing arrangements we may enter that require the issuance of a significant number of shares in relation to the number of shares currently outstanding;
- public concern as to the safety of products that we or others develop; and
- fluctuations in market demand for and supply of our products.

An investor's ability to trade our common stock may be limited by trading volume.

Until recently, the trading volume for our common stock has been relatively limited. A consistently active trading market for our common stock may not occur on the OTCBB. The average daily trading volume for our common stock on the OTCBB for the twelve-month period ended November 30, 2006 was approximately 89,133 shares.

Some provisions of our organizational and governing documents may have the effect of deterring third parties from making takeover bids for control of our company or may be used to hinder or delay a takeover bid.

Our certificate of incorporation authorizes the creation and issuance of "blank check" preferred stock. Our Board of Directors may divide this stock into one or more series and set their rights. The Board of Directors may, without prior stockholder approval, issue any of the shares of "blank check" preferred stock with dividend, liquidation, conversion, voting or other rights, which could adversely affect the relative voting power or other rights of the common stock. Preferred stock could be used as a method of discouraging, delaying, or preventing a take-over of our company. If we issue "blank check" preferred stock, it could have a dilutive effect upon our common stock. This would decrease the chance that our stockholders would realize a premium over market price for their shares of common stock as a result of a takeover bid.

Because we will not pay dividends, stockholders will only benefit from owning common stock if it appreciates.

We have never paid dividends on our common stock and we do not intend to do so in the foreseeable future. We intend to retain any future earnings to finance our growth. Accordingly, any potential investor who anticipates the need for current dividends from his investment should not purchase our common stock.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended and Section 21E of the Securities Exchange Act of 1934, as amended. Such forward-looking statements include statements regarding, among other things, (a) our projected sales and profitability, (b) our growth strategies, (c) anticipated trends in our industry, (d) our future financing plans, and (e) our anticipated needs for working capital. Forward-looking statements, which involve assumptions and describe our future plans, strategies, and expectations, are generally identifiable by use of the words "may," "will," "should," "expect," "anticipate," "estimate," "believe," "intend," or "project" or the negative of these words or other variations on these words or comparable terminology. This information may involve known and unknown risks, uncertainties, and other factors that may cause our actual results, performance, or achievements to be materially different from the future results, performance, or achievements expressed or implied by any forward-looking statements. These statements may be found under "Management's Discussion and Analysis of Financial Condition and Results of Operations" and "Business," as well as in this prospectus generally. Actual events or results may differ materially from those discussed in forward-looking statements as a result of various factors, including, without limitation, the risks outlined under "Risk Factors" and matters described in this prospectus generally. In light of these risks and uncertainties, there can be no assurance that the forward-looking statements contained in this filing will in fact occur.

We undertake no obligation to update publicly or revise any forward-looking statements, whether as a result of new information, future events or otherwise after the date of this prospectus. In light of these risks and uncertainties, the forward-looking events and circumstances discussed in this prospectus may not occur and actual results could differ materially from those anticipated or implied in the forward-looking statements.

USE OF PROCEEDS

This prospectus relates to shares of our common stock that may be offered and sold from time to time by the selling stockholder. We will receive no proceeds from the sale of shares of common stock in this offering. However, we may receive up to $6.0 million in proceeds from the sale of our common stock to Fusion Capital under the common stock purchase agreement. Any proceeds from Fusion Capital we receive under the common stock purchase agreement will be used for working capital and general corporate purposes.

MARKET FOR COMMON EQUITY AND RELATED STOCKHOLDER MATTERS

Our common stock trades on the OTCBB under the trading symbol "NEOP." The prices set forth below reflect the quarterly high, low and closing sales prices for shares of our common stock during the last two completed fiscal years, and for the current fiscal year through December 6, 2006, as reported by Reuters Limited. These quotations reflect inter-dealer prices, without retail markup, markdown or commission, and may not represent actual transactions.

	High	***Low***	***Close***
Fiscal Year 2006:			
First Quarter	$0.36	$0.25	$0.29
Second Quarter	0.30	0.23	0.26
Third Quarter	0.33	0.24	0.33
Fourth Quarter through December 6, 2006	0.34	0.22	0.30
Fiscal Year 2005:			
First Quarter	$0.72	$0.37	$0.46
Second Quarter	0.46	0.30	0.35
Third Quarter	0.40	0.25	0.30
Fourth Quarter	0.32	0.20	0.25
Fiscal Year 2004:			
First Quarter	$1.10	$0.28	$0.90
Second Quarter	1.11	0.41	0.60
Third Quarter	0.60	0.35	0.53
Fourth Quarter	0.61	0.37	0.59

As of December 1, 2006, we had approximately 813 holders of common stock of record.

We have not paid any dividends on our common stock and do not anticipate paying cash dividends in the foreseeable future. We intend to retain any earnings to finance the growth of our business. We cannot assure you that we will ever pay cash dividends. Whether we pay cash dividends in the future will be at the discretion of our Board of Directors and will depend upon our financial condition, results of operations, capital requirements and any other factors that the Board of Directors decides are relevant. See Management's Discussion and Analysis of Financial Condition and Results of Operations, below.

MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The following discussion should be read together with our Financial Statements and the Notes related to those statements, as well as the other financial information included in this Registration Statement on Form SB-2, of which this prospectus is a part. Some of our discussion is forward-looking and involves risks and uncertainties. For information regarding risk factors that could have a material adverse effect on our business, refer to the Risk Factors section of this prospectus beginning on page 4.

The Company

Neoprobe Corporation is a biomedical technology company that provides innovative surgical and diagnostic products that enhance patient care. We currently market two lines of medical devices; our **neo2000®** gamma detection systems and the **Quantix®** line of blood flow measurement devices of our subsidiary, Cardiosonix. In addition to our medical device products, we have two radiopharmaceutical products, **RIGScan®** CR and **Lymphoseek®**, in the advanced phases of clinical development. We are also exploring the development of our activated cellular therapy (ACT) technology for patient-specific disease treatment through our majority-owned subsidiary, Cira Biosciences, Inc. (Cira Bio).

Executive Summary

This Executive Summary section contains a number of forward-looking statements, all of which are based on current expectations. Actual results may differ materially. Our financial performance is highly dependent on our ability to continue to generate income and cash flow from our gamma device product line and on our ability to successfully commercialize the blood flow products of our subsidiary, Cardiosonix. We cannot assure you, however, that we will achieve the volume of sales anticipated, or if achieved, that the margin on such sales will be adequate to produce positive operating cash flow. We continue to be optimistic about the longer-term potential for our other proprietary, procedural-based technologies such as **Lymphoseek** and **RIGS®** (radio-immuno-guided surgery); however, these technologies are not anticipated to generate any significant revenue for us during 2006 or 2007. In addition, we cannot assure you that these products will ever obtain marketing clearance from the appropriate regulatory bodies.

We believe that the future prospects for Neoprobe continue to improve as we make progress in all of our lines of business. We expect revenue from our gamma device line to continue to provide a strong revenue base during 2006 and into 2007. We also continue to expect revenue from our **Quantix** blood flow measurement products to be substantially higher in 2006 than in 2005. We have also made progress on our oncology drug development initiatives. During the third quarter of 2006, we initiated a Phase 2 clinical trial for **Lymphoseek** which we expect to be completed in early 2007.

The majority of our development expenses over the next twelve to eighteen months will be devoted to our efforts related to **Lymphoseek** in order to complete manufacturing validation and scale-up, to complete Phase 2 and pivotal clinical trials and to prepare for the submission of a new drug application to the U.S. Food and Drug Administration (FDA) which we expect to submit by the end of 2007. We anticipate the total outsourced out-of-pocket costs for Lymphoseek to be between $6 million to $7 million. We also expect to incur development expenses in 2007 as we continue to innovate our device product lines, although we do not currently expect our out-of-pocket expenses to exceed $1 million related to these projects in 2006 or 2007. We may also incur some development expenses in 2007 related to our **RIGS** radiopharmaceutical product development although we intend to defer any major expenses until we identify a partner to assist us in the development and commercialization of **RIGScan** CR. As a result, although we expect to see positive movement in all our lines of business during 2007, we will likely show a loss for the year primarily due to our drug product development efforts.

As of September 30, 2006, our cash and investments on hand totaled $3.6 million. Through the first three quarters of 2006, we used $2.5 million in cash to fund our operations. We believe our currently available capital resources will be adequate to sustain our device operations at planned levels through the end 2006 and into 2007. We intend to raise additional funds through our stock purchase agreement with Fusion Capital to supplement our capital needs until we are able to generate positive cash flow from **Lymphoseek** and our medical device product lines. However, the extent we rely on Fusion Capital as a source of funding will depend on a number of factors including, the prevailing market price of our common stock and the extent to which we are able to secure working capital from other sources, such as through the sale of our products. Specifically, Fusion Capital shall not have the right nor the obligation to purchase any shares of our common stock on any business days that the market price of our common stock is less than $0.20. If we decide to seek additional funding from other sources to support the development of our products and additional financing is not available when required or is not available on acceptable terms, or we are unable to arrange a suitable strategic opportunity, we may need to modify our business plan. We cannot assure you that the additional capital we require will be available on acceptable terms, if at all. We cannot assure you that we will be able to successfully commercialize products or that we will achieve significant product revenues from our current or potential new products. In addition, we cannot assure you that we will achieve or sustain profitability in the future.

Our Outlook for our Gamma Detection Device Products

We believe our core gamma detection device business line will continue to achieve positive results. Our belief is based on continued interest in the research community in lymphatic mapping. The National Cancer Institute (NCI) recently sponsored two large randomized clinical trials (research studies) for breast cancer comparing sentinel lymph node biopsy (SLNB) with conventional axillary lymph node dissection. The trials were conducted by the National Surgical Adjuvant Breast and Bowel Project (NSABP) and the American College of Surgeons Oncology Group (ACOSOG). NSABP and ACOSOG are both NCI-sponsored Clinical Trials Cooperative Groups, which are networks of institutions and physicians across the country who jointly conduct trials. Although several studies have examined the correlation between the sentinel node and the remaining axillary nodes, these are the first two large randomized multi-center trials that will compare the long-term results of sentinel lymph node removal with full axillary node dissection. Both of these trials are now closed. However, final data from these studies likely will not be presented for another eighteen months. We expect the results from these clinical trials, when announced, will have a positive impact on helping us to penetrate the remaining market for breast cancer and melanoma. We also believe that the surgical community will continue to adopt the SLNB application while a standard of care determination is still pending. We also believe that **Lymphoseek**, our lymphatic targeting agent, should it become commercially available, could significantly improve the adoption of SLNB in future years in areas beyond melanoma and breast cancer.

We believe that most of the leading cancer treatment institutions in the U.S. and other major global markets have adopted SLNB and purchased gamma detection systems such as the **neo2000**. As a result, we may be reaching saturation within this segment of the market, except for potential replacement sales. As such, our marketing focus in all major global markets for gamma detection devices will continue to be among local/regional hospitals, which typically lag behind leading research centers and major hospitals in adapting to new technologies. A decline in the adoption rate of SLNB at these institutions or the development of alternative technologies by competitors may negatively impact our sales volumes, and therefore, revenues and net income in future years. In order to address the issue of potential saturation as well as to continue to provide our customers with the highest quality tools for performing SLNB, we introduced a new gamma detection probe at the American College of Surgeons 92nd Annual Clinical Congress meeting in Chicago. The new probe uses Bluetooth® wireless technology to communicate gamma radiation counts to the Company's **neo2000** control unit. The wireless probe eliminates cumbersome cables that can complicate the surgical field and provides the surgeon with operative field flexibility. The new probe is designed to be used with all existing models of the Company's **neo2000** system (Models 2000, 2100 and 2200). The wireless probe will be available with either a straight or angled detection tip.

During March 2006, our primary gamma device marketing partner, Ethicon Endo-Surgery, Inc. (EES), a Johnson & Johnson company, exercised the second of its two options to extend the termination date of our distribution agreement with them through the end of 2008. We believe that total quantities of base **neo2000** systems expected to be purchased by EES during 2007 should be consistent with 2005 and 2006 purchase levels. We cannot assure you, however, that EES' product purchases beyond those firmly committed through early 2007 will indeed occur or that the prices we realize will not be affected by increased competition.

Under the terms of our distribution agreement with EES, the transfer prices we receive on product sales to EES are based on a fixed percentage of their end-customer sales price, subject to a floor transfer price. Throughout their sales history, our products have generally commanded a price premium in most of the markets in which they are sold, which we believe is due to their superior performance and ease of use. The average end-customer sales prices received by EES for our gamma detection devices remained relatively steady and strong for 2005 as compared to 2004 and as a result, the transfer price that we received from selling to EES during 2005 was 22% above the floor pricing for the base system configuration. While we continue to believe in the technical and user-friendly superiority of our products, the competitive landscape continues to evolve and we may lose market share or experience price erosion as a result. A loss of market share or significant price erosion would have a direct negative impact on net income. Through the first three quarters of 2006, we experienced an approximate 3% price decline from prices experienced at during 2005. If such price erosion continues through the end of 2006 and into 2007, there is a risk associated with future sales of our gamma detection devices to EES that may erode some or all of the premium we received in prior years in excess of the floor price. However, we believe the anticipated steady volumes will result in continued profitability for our gamma device business line for 2006 and into 2007, even at floor prices.

Our Outlook for our Drugs and Therapeutics

The primary focus of our drug and therapeutic development efforts during 2006 centered around commencing a Phase 2 clinical trial for **Lymphoseek**. **Lymphoseek** is intended to be used in biopsy procedures for the detection of cancer cells in lymph nodes in a variety of tumor types including breast, melanoma, prostate, gastric and colon cancers. If approved, **Lymphoseek** would be the first radiopharmaceutical specifically designed to target lymphatic tissue.

Patient enrollment activities for the Phase 2 trial for **Lymphoseek** commenced during the third quarter of 2006 and we expect to be in a position to report preliminary results for the first forty patients in early 2007 with results for all 80 patients reported in the first half of 2007. While preparing for the Phase 2 study, we began working with regulatory agencies in Europe to determine the pathway to seek marketing clearance for **Lymphoseek** in Europe. As a result of those discussions, it is our intention to pursue marketing clearance for **Lymphoseek** through the centralized authority, the European Agency for the Evaluation of Medicinal Products (EMEA) in London. We have reviewed with the EMEA the Phase 2 protocol design with the intention of including European sites in the Phase 3 study. We cannot assure you, however, that this product will achieve regulatory approval, or if approved, that it will achieve market acceptance.

Over the past few years, we have made progress in advancing our **RIGScan** CR development program while incurring little in the way of research expenses. Our **RIGS** technology, which had been essentially inactive since the failure to gain approval following our original license application in 1997, has been the subject of renewed interest due primarily to the analysis of survival data related to patients who participated in the original Phase 3 clinical studies that were completed in 1996. We believe there are development milestones that can be achieved prior to the need for significant capital investment in **RIGScan** CR such as preparing the request for a special protocol assessment (SPA) and completing a final protocol review. However, we continue to believe it will be necessary for Neoprobe to identify a development partner or an alternative funding source in order to prepare for and to fund the pivotal clinical testing that will be necessary to gain marketing clearance for **RIGScan** CR. We have engaged in discussions with various parties regarding such a partnership. At the present time, while we have parties who have indicated an interest in entering into a development relationship, we do not believe these efforts will result in a partnership until further clarity can be added to the **RIGScan** regulatory approval pathway, such as perhaps obtaining a positive SPA determination from FDA. However, even if we are able to make such arrangements on satisfactory terms, we believe that the time required for continued development, regulatory approval and commercialization of a **RIGS** product would likely be a minimum of five years before we receive any significant product-related royalties or revenues. We cannot assure you that we will be able to complete definitive agreements with a development partner for the **RIGS** technology and do not know if a partner will be obtained on a timely basis on terms acceptable to us, or at all. We also cannot assure you that FDA or the EMEA will clear our **RIGS** products for marketing or that any such products will be successfully introduced or achieve market acceptance.

In early 2005, we formed a new subsidiary, Cira Bio, to explore the development of ACT. Neoprobe owns approximately 90% of the outstanding shares of Cira Bio with the remaining shares being held by the principals of a private holding company, Cira LLC. In conjunction with the formation of Cira Bio, an amended technology license agreement also was executed with The Ohio State University, from whom both Neoprobe and Cira LLC had originally licensed or optioned the various cellular therapy technologies. As a result of the cross-license agreements, Cira Bio has the development and commercialization rights to three issued U.S. patents that cover the oncology and autoimmune applications of its technology. In addition, Cira Bio has licenses to several pending patent applications.

Cira Bio intends to raise the necessary capital to move this technology platform forward; however, Cira Bio has not yet identified a potential source of capital. Obtaining this funding would likely dilute Neoprobe's ownership interest in Cira Bio; however, we believe that moving forward such a promising technology will only yield positive results for the Neoprobe stockholders and the patients who could benefit from these treatments. However, we do not know if we will be successful in obtaining funding on terms acceptable to us, or at all. In addition, should Cira Bio not be successful in obtaining sufficient capital by December 31, 2006, the technology rights for the oncology applications of ACT would revert back to Neoprobe and the technology rights for the viral and autoimmune applications would revert back to Cira LLC.

Our Outlook for our Blood Flow Measurement Products

We have two blood flow measurement devices, the **Quantix/OR™** and the **Quantix/ND**™, that have regulatory clearance to market in the U.S. and European Union (EU) as well as certain other foreign markets. The **Quantix/OR** is primarily intended to measure blood flow in cardiac bypass graft and other similar procedures while the **Quantix/ND** is designed to measure blood flow in neurovascular settings. Sales of blood flow measurement equipment, while higher in 2006 than in previous years, have thus far not met our expectations. We are encouraged by the activities of our blood flow distribution partners and over the third quarter and into the fourth quarter of 2006, we have seen increasing numbers of competitive evaluations of our **Quantix/OR** device. As such, we remain cautiously optimistic about our blood flow measurement business as we look toward the remainder of 2006 and into 2007. Due in part to the disappointing performance to-date of our blood flow product line, we have put significant effort during 2006 into transferring the marketing of our **Quantix/OR** system to distributor organizations that have broader market presence while we work with thought leaders to determine the ultimate market viability of the **Quantix/ND**. Currently, we have in place or have executed or reached agreement in principle with distributors and/or master distributors for the **Quantix/OR** covering the United States, all major market countries in the EU as well substantially all countries that comprise the Pacific Rim of Asia. In addition, we have distribution arrangements in place covering major portions of Central and South America. Our goal is to secure and maintain marketing and distribution arrangements with partners who possess appropriate expertise in marketing medical devices, preferably ultrasound or cardiac care devices, into our primary target markets, the cardiovascular, vascular surgery and neurosurgical markets.

We anticipate spending a significant amount of time and effort during the remainder of 2006 and into 2007 to close on leads generated regarding the **Quantix/OR** and to develop new sales leads. The sales cycle for medical devices such as our blood flow products is typically a four to six month cycle. This sales cycle, coupled with the timetable necessary to train our new distributors we have engaged during 2006 has resulted in disappointing sales levels of our blood flow measurement equipment to date. We are also investigating alternative pricing strategies such as per use fees or leasing that may affect the adoption rates for our blood flow measurement devices. As a result, we anticipate that the product development and market support costs we will incur in 2006 will be greater than the revenue we generate from the sales of blood flow devices. We are still evaluating our outlook for 2007 but believe the coming quarters are important to demonstrating the ultimate success of this product line.

Summary

The strength of our oncology product (device and drug) portfolio coupled with the introduction of the Cardiosonix blood flow products should position us to eventually achieve profitable operating performance for our device product lines. However, overall profitable operational results will be significantly affected by our decision to fund drug and therapeutic development activities internally.

We anticipate generating a net profit from the sale of our gamma detection devices in 2006 and 2007, excluding the allocation of any corporate general and administrative costs; however, we expect to show a loss for our blood flow device product line for 2006 due to continued research and development and increased marketing and administrative support costs that are still required to commercialize the product line. However, this expectation is based to a large degree on our anticipation that we will achieve the necessary developmental milestones required to achieve significant commercial sales of our **Quantix/OR** product in a timely manner. The overall operating results for 2006 and 2007 will be greatly affected by the amount of development for radiopharmaceutical products. If we are unsuccessful in achieving significant commercial sales of the **Quantix/OR** product in 2006 and early 2007, or if we modify our business plan and decide to carry out **RIGS** development internally, our profitability estimates will be adversely affected and our business plan will likely need to be modified.

As a result of development costs related to **Lymphoseek**, we do not expect to achieve operating profit during 2006 or 2007. In addition, our net loss and earnings per share will likely be significantly impacted by the non-cash interest expense we expect to record related to the accounting treatment for the beneficial conversion feature of the convertible debt and for the warrants issued in connection with the private placement we completed in December 2004. Also, we cannot assure you that our current or potential new products will be successfully commercialized, that we will achieve significant product revenues, or that we will achieve or be able to sustain profitability in the future.

YEARS ENDED DECEMBER 31, 2004, AND DECEMBER 31, 2005

Results of Operations

We reported revenues for 2005 of $5.9 million compared to $6.0 million in the prior year. However, license and other revenues for 2004 included a $600,000 non-cash item, representing the final installment of deferred revenue related to a distribution agreement we entered into with EES in 1999, and no such revenue was recognized in 2005. The decrease in license and other revenue was offset by increases of $251,000 related to blood flow device sales, $203,000 of gamma detection device extended service contract sales, $73,000 of gamma detection device sales, and $40,000 of gamma detection device service revenue.

Gross profit for 2005 decreased $64,000 or 2% as compared to 2004. Excluding license and other revenue, gross profit on net sales of our medical devices increased $536,000 or 18% compared to the prior year. The percentage improvement in gross profit on net sales of our medical devices in 2005 relative to the percentage increase in sales reflects the impact of manufacturing cost control initiatives implemented in 2004 coupled with the positive contribution from the increased service activities.

Results for 2005 also reflect the efforts made in the development of our gamma detection radiopharmaceutical products, **RIGScan** CR and **Lymphoseek**. Accordingly, our research and development costs for 2005 increased to $4.0 million compared to $2.5 million in 2004. Consolidated general and administrative expenses remained constant at $3.2 million in 2005 and 2004.

Major expense categories as a percentage of net sales fluctuated from 2004 to 2005 due to increased net sales as well as increased expenses related to our gamma detection radiopharmaceutical and therapeutic products. Research and development expenses, as a percentage of net sales, increased to 68% in 2005 from 46% in 2004 due to increased expenses related to the development of our gamma detection drug and therapeutic products. Selling, general and administrative expenses, as a percentage of net sales, decreased to 53% in 2005 from 59% in 2004 primarily due to the increase in net sales revenue. Due to the ongoing development activities of the company, research and development expenses are expected to be higher as a percentage of sales for 2006 than they were in 2005. In addition, as we move forward with commercialization activities related to the **Quantix** product line, selling, general and administrative expenses as a percentage of sales are expected to increase in 2006 over 2005.

Net Sales and Margins. Net sales, primarily of our gamma detection systems, increased $567,000, or 11%, to $5.9 million in 2005 from $5.4 million in 2004. Gross margins on net sales increased to 60% of net sales for 2005 compared to 56% of net sales for 2004.

The increase in net sales was the combined result of increases of $251,000 in blood flow device sales, $203,000 in gamma detection device extended service contract sales, $73,000 in gamma detection device sales, and $40,000 in gamma detection device service revenue. The price at which we sell our gamma detection products to EES is based on a percentage of the global average selling price received by EES on sales of Neoprobe products to end customers, subject to a minimum floor price. The base system price at which we sold **neo2000** systems to EES increased approximately 1% from 2004 to 2005.

The increase in gross margins on net product sales was the combined result of increased extended service contract sales which typically generate higher margins than sales of our devices coupled with slightly decreased unit costs to manufacture our **neo2000** control unit. Gross margins in 2005 were adversely affected by inventory impairments of $42,000 related to our laparoscopic probe product as well as impairments of $13,000 related to our **Quantix** products. Gross margins in 2004 were adversely affected by a $107,000 impairment charge related to obsolete **Quantix** inventory.

License and Other Revenue. License and other revenue for 2004 included $600,000 from the pro-rata recognition of license fees related to the distribution agreement with EES. These license fees were fully amortized into income as of the end of the third quarter of 2004. No license revenue was recorded in 2005.

Research and Development Expenses. Research and development expenses increased $1.6 million, or 64%, to $4.0 million during 2005 from $2.5 million in 2004. Research and development expenses in 2005 included approximately $2.3 million in drug and therapy product development costs, $1.4 million in product design activities for the **Quantix** products and $276,000 gamma detection device development costs. This compares to expenses of $489,000, $1.6 million and $404,000 in these respective product categories in 2004. The changes in each category were primarily due to (i) efforts to move our development of **Lymphoseek** forward, (ii) the costs of product refinement activities related to the **Quantix/OR** offsetting cost savings from headcount reductions at our facility in Israel, and (iii) development activities related to updated versions of our **neo2000** control unit and detector probes, respectively.

Selling, General and Administrative Expenses. Selling, general and administrative expenses remained steady at $3.2 million during 2005 and 2004. Increases in U.S. headcount and compensation coupled with increases in certain overhead costs such as professional services and facilities expenses were offset by decreased marketing expenses and decreases in certain other overhead costs such as travel, insurance and taxes.

Other Income (Expenses). Other expenses decreased $257,000 to $1.3 million during 2005 from $1.5 million during 2004. The primary reason for the decrease was a $1.1 million decrease in warrant liability resulting from the accounting treatment for the warrants we issued in connection with the private placement of convertible debt we completed in December 2004. In addition, we recorded an increase of $198,000 in interest income resulting from maintaining a higher balance of cash and investments during 2005 compared to 2004. We also recorded interest expense of $1.4 million and $334,000 during 2005 and 2004, respectively, related to debt financings entered into during 2004 and 2003. Of this interest expense, $687,000 and $268,000 in 2005 and 2004, respectively, was non-cash in nature related to the amortization of debt issuance costs and discounts resulting from the warrants and beneficial conversion features of the convertible debt.

Liquidity and Capital Resources

Operating Activities. Cash used in operations increased $2.2 million to $3.0 million during 2005 from $825,000 during 2004. Working capital decreased $3.5 million to $6.9 million at December 31, 2005 as compared to $10.4 million at December 31, 2004. The current ratio decreased to 5.6:1 at December 31, 2005 from 11.3:1 at December 31, 2004. The decrease in working capital was primarily related to cash used in operations coupled with cash used in investing activities.

Cash and investment balances decreased to $6.5 million at December 31, 2005 from $9.8 million at December 31, 2004, primarily as a result of cash used to fund operating activities and service our debt during 2005.

Accounts receivable increased to $673,000 at December 31, 2005 from $412,000 at December 31, 2004. The increase was primarily a result of timing of purchases and payments by EES. We expect overall receivable levels will continue to fluctuate in 2006 depending on the timing of purchases and payments by EES. However, on average, we expect accounts receivable balances will start to increase commensurate with anticipated increases in sales of blood flow products to our distributors, many of whom are foreign-domiciled entities who typically pay at a slower rate than domestic companies. Such increases, if any, will require the increased use of our cash resources over time.

Inventory levels decreased to $804,000 at December 31, 2005 from $855,000 at December 31, 2004. During 2005, we wrote off inventory totaling $42,000 related to our laparoscopic probe product and $13,000 related to our **Quantix** products. We expect inventory levels to increase during 2006 as we ramp up our blood flow device business, reassess our gamma detection and blood flow measurement device safety stock levels, and prepare for radiopharmaceutical product distribution.

Investing Activities. Cash used in investing activities increased $1.5 million to $1.6 million during 2005 from $111,000 during 2004. We purchased $5.5 million and received $4.0 million from maturities of available-for-sale securities during 2005. Capital expenditures during 2005 were primarily related to purchases of production tools and equipment in preparation for blood flow measurement device production at our contract manufacturers. Capital expenditures during 2004 were primarily purchases of technology infrastructure. Capital needs for 2006 are expected to increase over 2005 as we start up blood flow product production at our contract manufacturers and establish alternative sales financing arrangements for our blood flow devices such as leasing and per use sales pricing.

Financing Activities. Financing activities used $273,000 in cash during 2005 versus providing $9.2 million during 2004. Proceeds from the issuance of common stock were $58,000 and $2.3 million in 2005 and 2004, respectively. Proceeds from notes payable were $8.1 million 2004. Payments of common stock and debt issuance costs were $30,000 and $767,000 in 2005 and 2004, respectively. Payments of notes payable were $190,000 lower during 2005 as compared to 2004, primarily due to the repayment of a note to our CEO in 2004.

During 2004, we sold a total of 2,350,000 shares of common stock and realized net proceeds of $1,468,874 under the terms of a 2001 common stock purchase agreement with the Fusion Capital. We also issued Fusion 66,129 shares of common stock for commitment fees related to the sales of our common stock to them during 2004. No common stock was issued to Fusion during 2005. The 2001 Fusion Capital common stock purchase agreement expired under its own terms in February 2006.

During April 2003, we completed a bridge loan agreement with our President and CEO, David Bupp. Under the terms of the agreement, Mr. Bupp advanced us $250,000. In consideration for the loan, we issued a note to Mr. Bupp in the principal amount of $250,000. The note was secured by general assets of the company, excluding accounts receivable. In addition, we issued Mr. Bupp 375,000 warrants to purchase our common stock at an exercise price of $0.13 per share, expiring in April 2008. The note bore interest at 8.5% per annum, payable monthly, and was originally due on June 30, 2004. On March 8, 2004, at the request of the Board of Directors, Mr. Bupp agreed to extend the due date of the note from June 30, 2004 to June 30, 2005. In exchange for extending the due date of the note, we issued Mr. Bupp an additional 375,000 warrants to purchase our common stock at an exercise price of $0.50 per share, expiring in March 2009. On December 13, 2004, we repaid the balance of the note to Mr. Bupp.

During April 2003, we also completed a convertible bridge loan agreement with an outside investor for an additional $250,000. In consideration for the loan, we issued a note to the investor in the principal amount of $250,000. The note was secured by general assets of the company, excluding accounts receivable. In addition, we issued the investor 500,000 warrants to purchase our common stock at an exercise price of $0.13 per share, expiring in April 2008. Under the terms of the agreement, the note bore interest at 9.5% per annum, payable monthly, and was due on June 30, 2004. During January 2004, the investor converted the entire balance of the note into 1.1 million shares of common stock according to the conversion terms of the agreement.

During 2004, the certain investors who received warrants to purchase our common stock in connection with a November 2003 financing exercised a total of 3,230,066 warrants in exchange for 3,197,854 shares of our common stock. Of the warrants exercised by these investors in 2004, 3,134,783 were exercised in exchange for 3,134,783 shares of our common stock resulting in net proceeds of $871,398. The remaining 95,283 warrants exercised in 2004 were exercised on a cashless basis in exchange for 63,071 shares of our common stock. During 2005, certain investors and placement agents related to this financing also exercised a total of 206,865 warrants in exchange for 206,865 shares of our common stock, resulting in net proceeds of $57,922.

In December 2004, we completed a private placement of Convertible Promissory Notes in an aggregate principal amount of $8.1 million with Biomedical Value Fund, L.P., Biomedical Offshore Value Fund, Ltd. and David C. Bupp (our President and CEO). Biomedical Value Fund, L.P. and Biomedical Offshore Value Fund, Ltd. are funds managed by Great Point Partners, LLC. The notes originally bore interest at 8% per annum. In connection with the Amendment, dated November 30, 2006, to the original purchase agreement, we canceled the original notes and issued to the noteholders replacement notes with modified payment terms, the elimination of certain covenants, and which bear interest at 12% per annum. The notes are freely convertible into shares of our common stock at a price of $0.40 per share. Neoprobe may force conversion of the notes prior to their stated maturity under certain circumstances. As part of this transaction, we issued the investors 10,125,000 warrants to purchase our common stock at an exercise price of $0.46, expiring in December 2009. In connection with this financing, we also issued 1,600,000 warrants to purchase our common stock to the placement agents, containing substantially identical terms to the warrants issued to the investors.

Contractual Obligations and Commercial Commitments

The following table presents our contractual obligations and commercial commitments as of December 31, 2005.

	Payments Due By Period				
Contractual Cash Obligations	Total	Less than 1 Year	1 - 3 Years	4 - 5 Years	After 5 Years
Capital Leases[1]	$ 61,151	$ 24,769	$ 33,897	$ 2,485	$ -
Operating Leases	208,819	100,129	108,690	-	-
Unconditional Purchase Obligations[2]	1,869,255	1,869,255	-	-	-
Long-Term Debt[3]	10,012,043	648,000	9,364,043	-	-
Total Contractual Cash Obligations	$ 12,151,268	$ 2,642,153	$ 9,506,630	$ 2,485	$ -

(1) These amounts include interest at rates between 8% and 13%.

(2) These amounts represent purchases under binding purchase orders for which we are required to take delivery of the product under the terms of the underlying supply agreements going out approximately one year.

(3) These amounts include interest at 8% on $8.1 million in outstanding principal due in December 2008, payable in either cash or common stock.

Other Items Affecting Financial Condition

At December 31, 2005, we had U.S. net operating tax loss carryforwards and tax credit carryforwards of approximately $131.3 million and $4.3 million, respectively, available to offset or reduce future income tax liability, if any, through 2025. However, under Sections 382 and 383 of the Internal Revenue Code of 1986, as amended, use of prior tax loss and credit carryforwards may be limited after an ownership change. As a result of ownership changes as defined by Sections 382 and 383, which have occurred at various points in our history, we believe utilization of our tax loss carryforwards and tax credit carryforwards may be significantly limited.

NINE MONTHS ENDED SEPTEMBER 30, 2005, AND SEPTEMBER 30, 2006

Overview

This Overview section contains a number of forward-looking statements, all of which are based on current expectations. Actual results may differ materially from the anticipated results discussed herein. Our financial performance is highly dependent on our ability to continue to generate income and cash flow from our gamma device product line and on our ability to successfully commercialize the blood flow products of Cardiosonix. We cannot assure you that we will achieve the volume of sales anticipated, or if achieved, that the margin on such sales will be adequate to produce positive operating cash flow. We continue to be optimistic about the longer-term potential for our other proprietary, procedural-based technologies such as **Lymphoseek**, **RIGS** and ACT; however, these technologies are not anticipated to generate any significant revenue for us during 2006 or 2007. In addition, we cannot assure you that these products will ever obtain marketing clearance from the appropriate regulatory bodies.

Our revenue for the first nine months of 2006 was lower than our original expectations. Our sales of **Quantix** blood flow devices for the first nine months of 2006 represent a combination of customer and demonstration unit sales. We expect that the volume of sales of our base neo2000 system of gamma detection devices for 2006 will be consistent with 2005; however, any price declines for these base systems will likely adversely affect our gamma detection device revenue for 2006 as compared to 2005. We do expect our gamma detection device revenue in the fourth quarter of 2006 may also be buoyed by potential deliveries of our Bluetooth® probes to our primary gamma detection device marketing partner, Ethicon Endo-Surgery, Inc. (EES), a Johnson & Johnson company. We continue to expect that our sales of blood flow measurement devices for 2006 will exceed 2005 by a significant percentage. However, future sales of **Quantix** devices remain highly dependent upon our ability to maintain and train our new marketing and distribution partners, the success of our distribution partners in generating sales leads, our distribution partners' ability to negotiate within the constraints of current hospital purchasing practices, and ultimately on physician response to the products themselves.

Our operating expenses during the first nine months of 2006 were focused primarily on support of **Lymphoseek** product development. However, we did make some modest investments in our neo2000 gamma detection device line and our **Quantix** blood flow measurement device line, and to a lesser extent on our **RIGScan** CR technology. We expect our development expenses to increase over the remainder of 2006 and into 2007 as we conduct multi-center Phase 2 and Phase 3 clinical evaluations of **Lymphoseek** and support the other development activities related to the potential marketing registration of **Lymphoseek**. We expect to continue to incur development expenses to support and innovate our device product lines as well as move our other product initiatives forward. We will also continue to invest in marketing and clinical development support for our blood flow measurement products during the remainder of 2006 as we work with our distribution partners to expand market penetration of our **Quantix** product lines.

Our efforts thus far in 2006 have resulted in the following milestone achievements:

- Received notification of the renewal of our Marketing and Distribution agreement with EES through December 2008;
- Completed a submission to the U.S. Food and Drug Administration (FDA) to respond to information requested by FDA regarding both preclinical toxicity studies and the chemistry, manufacturing and control (CMC) issues surrounding the commercial production of **Lymphoseek**;
- Authorized by FDA to commence patient enrollment in a Phase 2 clinical study of **Lymphoseek**;
- Received cGMP-produced **Lymphoseek** drug kits from Cardinal Health, Inc.;
- Reviewed Phase 2 **Lymphoseek** protocol and clinical program with clinical investigators at the Society of Surgical Oncology meeting;
- Commenced Phase 2 **Lymphoseek** clinical study with cGMP-produced drug;
- Completed Investigational New Drug (IND) amendment submission for **RIGScan** CR;
- Received first commercial production of **Quantix** devices from U.S.-based contract manufacturer;
- Completed an agreement with ESTECH, Inc. for the distribution of the **Quantix/OR** in the U.S. and Europe;
- Completed a distribution agreement for the **Quantix/OR** in Asia and commenced the registration process for the product in key Asian markets; and
- Introduced Bluetooth wireless versions of our gamma detection probes and obtained purchase commitments for the probes from our primary marketing partner.

In September 2005, Neoprobe received a letter from FDA confirming feedback from discussions regarding our IND application for **Lymphoseek**. The letter formalized FDA's feedback and was consistent with the information that the agency had provided in the first half of 2005. In its feedback, FDA formalized a very stringent non-clinical template for drug safety involving a total of seven tests. All seven non-clinical tests, including repeat dose studies, were completed and we received the final reports. The final reports were submitted to FDA in late December 2005. Based on a review of the information from all of these tests, we are not aware of any drug-related adverse results. FDA's September 2005 letter also confirmed that we will be required to use commercial drug, produced under commercial conditions, in the conduct of the Phase 2 trial, rather than the laboratory grade material produced by the University of California, San Diego, as originally planned. The additional non-clinical tests and the requirement to use commercial drug resulted in delays to the start of multi-center studies of Lymphoseek. However, we believe that use of commercially produced drug will help in FDA's review of the New Drug Application (NDA) regarding efficacy from the pivotal (i.e., Phase 3) trial and will ultimately put us in a much stronger regulatory position once the NDA is filed.

Our drug manufacturing partners, Reliable Biopharmaceuticals and Cardinal Health, completed their development and validation work and provided responses to the CMC questions raised by FDA, which, along with the previously completed non-clinical testing results, were submitted to FDA for review in April 2006. Cardinal Health completed initial commercial drug production and the commercial-quality drug is packaged and labeled and available for clinical trial use. However, even though commercial drug is available, it may still not be marketed for sale until the appropriate regulatory clearances have been obtained. We cannot assure you that such regulatory clearances will be obtained on a timely basis, if at all.

We were notified by FDA in May 2006 that it completed its review of our submissions and that we were released from clinical hold to commence patient enrollment for a Phase 2 clinical study of **Lymphoseek**. The first of our Phase 2 clinical sites received clearance from its internal clinical review committee or IRB in July 2006. The IRB clearance permitted us to begin patient screening and enrollment activities for the Phase 2 trial during July. We had originally hoped to provide top-line results for the first 40 patients in our Phase 2 trial of Lymphoseek during early October. Unfortunately, the time required to obtain the necessary approvals from the Institutional Review Boards (IRBs) and to then execute the research contracts at some of the participating clinical institutions has taken significantly longer than expected. We now have IRB approval at four of the five participating institutions and are actively enrolling patients at these four sites. We expect to have IRB approval at the fifth and final site later in December so that patient enrollment can commence there as well. While it is possible for us to complete the Phase 2 trial with patients recruited from institutions that already are enrolling patients in the Phase 2 study, we would like to have participation in the study be as broad as possible. Therefore, we do not expect to announce the results from the first 40 patients prior to the end of the year. We currently expect enrollment in the Phase 2 trial to be completed during the first quarter of 2007. This will mean that the commencement of the Phase 3 trial will likely now begin sometime in mid 2007; however, we currently plan to increase the number of participating institutions in the Phase 3 trial beyond the initial 12 to 15 sites originally planned. This should enable us to enroll patients at a more rapid rate. Our goal is to file the NDA for **Lymphoseek** by the end of 2007. We believe that strenuously following the guidance we are receiving from FDA will ultimately pay dividends in the review process for the NDA as we remain highly confident in the clinical benefit and market potential of **Lymphoseek**. We believe that **Lymphoseek** can be commercialized during late 2008 or early 2009 and, if approved, should provide a positive financial contribution to Neoprobe in 2008. As a result of the delays we have experienced and modifications made to the number of patients we expect to enroll, as well as revisions in our regulatory pathway, our current estimate of total out-of-pocket development costs has increased to approximately $6 million. In addition, Neoprobe has discussed the drug approval and registration process through the centralized European drug evaluation procedures with the European Medicinal Evaluation Agency (EMEA) in London. We intend to use the results from the Phase 3 clinical evaluation of Lymphoseek to support the drug registration application process with the EMEA.

With respect to our **RIGS** initiative, our current efforts are focused on preparing a Special Protocol Assessment (SPA) request related to **RIGS** which we believe will be important in attracting a potential development partner. In that regard, we have established a corporate IND for a second-generation humanized version of the **RIGS** antibody. With the establishment of a corporate IND, responsibility for the clinical and commercial development of this humanized version of **RIGScan** CR has now been officially transferred from a physician-sponsored IND to Neoprobe. Neoprobe's contract statisticians have also concluded, based on data published in 2005 on adjuvant post-operative chemotherapies for colorectal cancer, that it will be necessary to increase the number of patients in a proposed pivotal trial for **RIGScan** CR to approximately 2,300 in order to show a statistically valid differential in time to recurrence between patients treated using **RIGScan** CR versus other more traditional methods. We expect the increase in patients will cause an increase in the development cost; however, we also expect that the effect on the development timeline. It is our intent, following receipt of an approved SPA, to renew our efforts to seek a development partner who will assist in or take full responsibility for funding of **RIGScan** CR development. In the meantime, we do not expect to incur significant additional expenses related to **RIGS** until a partner is secured.

Our efforts to raise capital to support the development activities of our subsidiary, Cira Bio, have thus far been unsuccessful. We believe this is due to recent developmental failures by potential competitors to Cira Bio's ACT technology. We are evaluating alternative strategies to determine an appropriate way to enhance stockholder value by financing a reduced clinical development strategy for Cira Bio.

We anticipate generating a net profit from the sale of our gamma detection devices in 2006; however, we expect that our blood flow device product line will operate at a net loss for 2006 due to the marketing and administrative support costs that are still required to commercialize the product line. Currently, we expect the loss on blood flow products for 2006 to be less than the loss incurred in 2005.

Our overall operating results for 2006 will be significantly affected by the amount of development costs associated with the radiopharmaceutical products. As a result of our decision to fund **Lymphoseek** development internally, we do not expect to achieve operating profit during 2006. In addition, our net loss and net loss per share will likely continue to be significantly impacted by the non-cash interest expense we expect to record related to the accounting treatment for the beneficial conversion feature of the convertible debt and for the warrants issued in connection with the private placement we completed in December 2004. Also, we cannot assure you that our current or potential new products will be successfully commercialized, that we will achieve significant product revenues, or that we will achieve or be able to sustain profitability in the future.

Results of Operations

Revenue for the first nine months of 2006 decreased to $4.2 million from $4.5 million during the same period in 2005. Research and development expenses, as a percentage of net sales, decreased to 65% during the first nine months of 2006 from 68% during the same period in 2005. Selling, general and administrative expenses, as a percentage of net sales, increased to 54% during the first nine months of 2006 from 52% during the same period in 2005. Due to the ongoing development activities of the Company, research and development expenses as a percentage of sales are expected to be higher during the remainder of 2006 than they were in 2005. In addition, should we be successful in our ongoing commercialization activities related to the **Quantix** product line, and in making initial deliveries of our Bluetooth probes in 2006, selling, general and administrative expenses as a percentage of sales are expected to decrease in 2006 compared to 2005.

Three Months Ended September 30, 2006 and 2005

Net Sales and Margins. Net sales, comprised primarily of sales of our gamma detection systems, decreased $376,000, or 28%, to $958,000 during the third quarter of 2006 from $1.3 million during the same period in 2005. Gross margins on net sales decreased to 58% of net sales for the third quarter of 2006 compared to 60% of net sales for the same period in 2005. The decrease in net sales was the combined result of decreases of $330,000 in gamma detection device sales due to decreased unit sales related, we believe, primarily to timing, offset by increased unit prices, coupled with a decrease of $29,000 in blood flow device revenue and a decrease of $24,000 in gamma detection device extended service contract revenue. The decrease in gross margins on net product sales was due to a greater proportion of blood flow devices being sold on a wholesale basis to distributors as opposed to on a retail basis to end customers, coupled with decreased extended service contract sales for our gamma detection systems which typically generate higher margins than sales of the devices. Gross margins in the third quarter of 2006 and 2005 were also adversely affected by inventory impairments of $54,000 related to our **Quantix/ND** product and $42,000 related to our laparoscopic probe product, respectively.

Research and Development Expenses. Research and development expenses increased $136,000 or 12% to $1.2 million during the third quarter of 2006 from $1.1 million during the same period in 2005. Research and development expenses in the third quarter of 2006 included approximately $832,000 in drug and therapy product development costs, $279,000 in gamma detection device development costs, and $131,000 in product design activities for the **Quantix/OR** system. This compares to expenses of $725,000, $79,000 and $302,000 in these relative segment categories during the same period in 2005. The changes in each category were primarily due to (i) increased costs related to commencement of **Lymphoseek** Phase 2 clinical trials offset by decreased non-clinical and manufacturing validation activities, (ii) development activities related to the introduction of our Bluetooth wireless gamma detection probe, and (iii) reduced costs of product refinement and manufacturing transfer activities related to the **Quantix/OR**.

Selling, General and Administrative Expenses. Selling, general and administrative expenses decreased $38,000 or 5% to $651,000 during the third quarter of 2006 from $689,000 during the same period in 2005. Decreases in amortization of intangible assets, insurance and professional services were offset by increases in base compensation, including $21,000 of non-cash stock compensation required to be expensed starting in 2006 under SFAS No. 123(R), coupled with increased facilities expenses.

Other Income (Expenses). Other expenses increased $28,000 to $318,000 during the third quarter of 2006 from $290,000 during the same period in 2005. The primary reason for the increase was an increase of $31,000 in interest expense on debt financings we entered into during 2004. Of this interest expense, $207,000 and $175,000 in the third quarter of 2006 and 2005, respectively, was non-cash in nature related to the amortization of debt issuance costs and discounts resulting from the warrants and beneficial conversion features of the convertible debt.

Nine Months Ended September 30, 2006 and 2005

Net Sales and Margins. Net sales, primarily of our gamma detection systems, decreased $320,000, or 7%, to $4.2 million during the first nine months of 2006 from $4.5 million during the same period in 2005. Gross margins on net sales decreased to 58% of net sales for the first nine months of 2006 compared to 61% of net sales for the same period in 2005. Decreases of $471,000 in gamma detection device sales, primarily due to a decline in both sales volumes and prices, were offset by increases of $174,000 in blood flow device sales. The decrease in gross margins on net product sales was due to the decrease in gamma detection device sales prices on a year-to-date basis coupled with a greater proportion of blood flow devices being sold on a wholesale basis to distributors as opposed to on a retail basis to end customers. Gross margins in the first nine months of 2006 and 2005 were also adversely affected by inventory impairments of $54,000 related to our **Quantix/ND** product and $42,000 related to our laparoscopic probe product, respectively.

Research and Development Expenses. Research and development expenses decreased $329,000 or 11% to $2.7 million during the first nine months of 2006 from $3.0 million during the same period in 2005. Research and development expenses in the first nine months of 2006 included approximately $1.5 million in drug and therapy product development costs, $626,000 in gamma detection device development costs and $589,000 in product design activities for the **Quantix/OR** system. This compares to expenses of $1.8 million, $201,000 and $1.0 million in these relative segment categories during the same period in 2005. The changes in each category were primarily due to (i) delays in commencing **Lymphoseek** Phase 2 clinical trials coupled with decreased non-clinical and manufacturing validation activities, (ii) development activities related to the introduction of our Bluetooth wireless gamma detection probe, and (iii) reduced costs of product refinement and manufacturing transfer activities related to the **Quantix/OR**.

Selling, General and Administrative Expenses. Selling, general and administrative expenses decreased $95,000 or 4% to $2.3 million during the first nine months of 2006 from $2.4 million during the same period in 2005. Decreases in amortization of intangible assets, professional services, insurance and investor relations were offset by increases in base compensation, including $77,000 of non-cash stock compensation required to be expensed starting in 2006 under SFAS No. 123(R), coupled with increases in marketing, recruiting and facilities expenses.

Other Income (Expenses). Other expenses decreased $85,000 to $908,000 during the first nine months of 2006 from $993,000 during the same period in 2005. The primary reason for the decrease was the first quarter 2005 increase in warrant liability of $142,000 resulting from the accounting treatment for the warrants we issued in connection with the private placement of convertible debt we completed in December 2004. In addition, we recorded an increase of $18,000 in interest income resulting from higher interest rates on our cash and investments during the first nine months of 2006 compared to the same period in 2005. These decreases were offset by an increase of $89,000 in interest expense on debt financings we entered into during 2004. Of this interest expense, $596,000 and $505,000 in the first nine months of 2006 and 2005, respectively, was non-cash in nature related to the amortization of debt issuance costs and discounts resulting from the warrants and beneficial conversion features of the convertible debt.

Liquidity and Capital Resources

Operating Activities. Cash used in operations remained steady at $2.5 million used during the first nine months of 2006 and 2005. Working capital decreased $2.5 million to $4.4 million at September 30, 2006 compared to $6.9 million at December 31, 2005. The current ratio decreased to 5.3:1 at September 30, 2006 from 5.6:1 at December 31, 2005. The decrease in working capital was primarily related to cash used in operations, mainly for research and development activities.

Cash and investment balances decreased to $3.6 million at September 30, 2006 from $6.5 million at December 31, 2005, primarily as a result of cash used to fund operating activities and service our debt during the first nine months of 2006.

Accounts receivable decreased to $663,000 at September 30, 2006 from $673,000 at December 31, 2005. The decrease was primarily a result of normal fluctuations in timing of purchases and payments by EES. We expect overall receivable levels will continue to fluctuate during the remainder of 2006 depending on the timing of purchases and payments by EES. However, on average, we expect accounts receivable balances will start to increase commensurate with anticipated increases in sales of blood flow measurement products. Such increases, if any, will require the increased use of our cash resources over time.

Inventory levels increased to $1.0 million at September 30, 2006 compared to $804,000 at December 31, 2005. Finished gamma detection and blood flow measurement device inventories increased as materials and component parts were consumed in the build-up of our safety stock in anticipation of higher seasonal demand in the fourth quarter. In addition, we capitalized $48,000 of **Lymphoseek** materials inventory during the third quarter of 2006. We expect inventory levels to increase during the remainder of 2006 as we ramp up our blood flow device business and continue to reassess our gamma detection and blood flow measurement device safety stock levels.

Investing Activities. Investing activities provided $1.4 million during the first nine months of 2006 versus $3.6 million used during the same period in 2005. Available-for-sale securities of $1.5 million and $2.0 million matured during the first nine months of 2006 and 2005, respectively. We purchased $5.5 million of available-for-sale securities during the first nine months of 2005. Capital expenditures during the first nine months of 2006 were primarily for software and production tools and equipment in preparation for production of our new wireless gamma detection probes at our contract manufacturers. Capital expenditures during the first nine months of 2005 were primarily related to purchases of production tools and equipment in preparation for blood flow measurement device production. We expect to make capital expenditures during the remainder of 2006 primarily for production tooling and equipment; however, we expect our overall capital expenditures for 2006 will be lower than for 2005.

Financing Activities. Cash used in financing activities increased $34,000 to $241,000 during the first nine months of 2006 from $208,000 during the same period in 2005. Proceeds from the issuance of common stock were $58,000 during the first nine months of 2005. Payments of notes payable were $197,000 and $225,000 during the first nine months of 2006 and 2005, respectively.

We believe that we have sufficient financial resources to fund our operations or those of our subsidiaries through the end of 2006 and into 2007. We will likely need to raise capital during 2007 in order to continue our current business plan beyond mid-2007. If we are unsuccessful in raising additional capital, we may have to modify our business plan. Our near-term business priorities are to successfully complete the Phase 2 multi-center trial for our **Lymphoseek** product, to support the launch of our new wireless gamma detection probes and to continue the commercial launch of the reengineered version of the **Quantix/OR** products. In addition, we intend to complete the submission of the request for a SPA of the Phase 3 clinical protocol for RIGS to assist in the identification of a development and commercialization partner for our **RIGS** technology. Further, we will continue to identify funding sources for our ACT technology. Our future liquidity and capital requirements to execute our near-term and future plans will depend on a number of factors, including our ability to raise additional capital in a timely manner through additional investment, expanded market acceptance of our current products, our ability to complete the commercialization of new products, our ability to monetize our investment in non-core technologies, our ability to obtain milestone or development funds from potential development and distribution partners, regulatory actions by FDA and international regulatory bodies, and intellectual property protection.

Recent Accounting Developments

In September 2005, the Emerging Issues Task Force (EITF) ratified EITF No. 05-8, *Income Tax Consequences of Issuing Convertible Debt with a Beneficial Conversion Feature* (EITF No. 05-8). EITF No. 05-8 determined that (a) the issuance of convertible debt with a beneficial conversion feature results in a difference between book basis and tax basis of the debt instrument, (b) such difference between book basis and tax basis of the debt instrument is temporary in nature, and (c) the recognition of deferred taxes for the temporary difference of convertible debt with a beneficial conversion feature should be recorded as an adjustment to additional paid-in capital. EITF No. 05-8 is required to be applied retrospectively, and is effective beginning in the first interim or annual reporting period beginning after December 15, 2005. Neoprobe was required to adopt EITF No. 05-8 beginning January 1, 2006. We do not expect the adoption of EITF No. 05-8 to have a material impact on our consolidated results of operations or financial condition, however we do expect the adoption of EITF No. 05-8 to result in a material change in our income tax disclosures.

In February 2006, the FASB issued SFAS No. 155, *Accounting for Certain Hybrid Financial Instruments - An Amendment of FASB Statements No. 133 and 140* (SFAS No. 155). SFAS No. 155 amends SFAS No. 133, *Accounting for Derivative Instruments and Hedging Activities*, and SFAS No. 140, *Accounting for Transfers and Servicing of Financial Assets and Extinguishments of Liabilities*. SFAS No. 155 (a) permits fair value remeasurement for any hybrid financial instrument that contains an embedded derivative that otherwise would require bifurcation, (b) clarifies which interest-only strips and principal-only strips are not subject to the requirements of SFAS No. 133, (c) establishes a requirement to evaluate interests in securitized financial assets to identify interests that are freestanding derivatives or that are hybrid financial instruments that contain an embedded derivative requiring bifurcation, (d) clarifies that concentrations of credit risk in the form of subordination are not embedded derivatives, and (e) amends SFAS No. 140 to eliminate the prohibition on a qualifying special-purpose entity from holding a derivative financial instrument that pertains to a beneficial interest other than another derivative financial instrument. SFAS No. 155 is effective for all financial instruments acquired or issued after the beginning of an entity's first fiscal year that begins after September 15, 2006 and is required to be adopted by Neoprobe beginning January 1, 2007. We do not expect the adoption of SFAS No. 155 to have a material impact on our consolidated results of operations and financial condition.

In March 2006, the FASB issued SFAS No. 156, *Accounting for Servicing of Financial Assets - An Amendment of FASB Statement No. 140* (SFAS No. 156). SFAS No. 156 amends SFAS No. 140, *Accounting for Transfers and Servicing of Financial Assets and Extinguishments of Liabilities* . SFAS No. 156 (a) requires recognition of a servicing asset or servicing liability each time an obligation to service a financial asset is undertaken by entering into a servicing contract in certain circumstances, (b) requires measurement at fair value of all separately recognized servicing assets and servicing liabilities, (c) permits the use of either the amortization method or the fair value measurement method for each class of separately recognized servicing assets and servicing liabilities, (d) permits a one-time reclassification of available-for-sale securities to trading securities at initial adoption, and (e) requires separate presentation of servicing assets and servicing liabilities subsequently measured at fair value in the statement of financial position and additional disclosures for all separately recognized servicing assets and servicing liabilities. SFAS No. 156 is effective for fiscal years beginning after September 15, 2006, and is required to be adopted by Neoprobe beginning January 1, 2007. We do not expect the adoption of SFAS No. 156 to have a material impact on our consolidated results of operations and financial condition.

In June 2006, the FASB issued Financial Interpretation (FIN) No. 48, *Accounting for Uncertainty in Income Taxes - an Interpretation of FASB Statement No. 109* (FIN 48). FIN 48 clarifies the accounting for uncertainty in income taxes recognized in an enterprise's financial statements in accordance with SFAS No. 109, *Accounting for Income Taxes* . FIN 48 outlines a recognition threshold and measurement attribute for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. FIN 48 also provides guidance on derecognition, classification, interest and penalties, accounting in interim periods, disclosure, and transition. FIN 48 is effective for fiscal years beginning after December 15, 2006, and is required to be adopted by Neoprobe beginning January 1, 2007. We do not expect the adoption of FIN 48 to have a material impact on our consolidated results of operations and financial condition.

In September 2006, the FASB issued SFAS No. 157, *Fair Value Measurements* (SFAS No. 157). SFAS No. 157 defines fair value, establishes a framework for measuring fair value in generally accepted accounting principles, and expands disclosures about fair value measurements. SFAS No. 157 applies under other accounting pronouncements that require or permit fair value measurements, the FASB having previously concluded in those accounting pronouncements that fair value is the relevant measurement attribute. Accordingly, SFAS No. 157 does not require any new fair value measurements. SFAS No. 157 is effective for fiscal years beginning after November 15, 2007, and is required to be adopted by Neoprobe beginning January 1, 2008. We are currently evaluating the effect that the adoption of SFAS No. 157 will have on our consolidated results of operations and financial condition but do not expect it to have a material impact based on the accounting pronouncements that are now in effect.

In September 2006, the FASB also issued SFAS No. 158, *Employers' Accounting for Defined Benefit Pension and Other Postretirement Plans - an Amendment of FASB Statements No. 87, 88, 106, and 132(R)* (SFAS No. 158). SFAS No. 158 requires an employer to recognize the overfunded or underfunded status of a defined benefit postretirement plan (other than a multiemployer plan) as an asset or liability in its statement of financial position and to recognize changes in that funded status in the year in which the changes occur through comprehensive income of a business entity or changes in unrestricted net assets of a not-for-profit organization. SFAS no. 158 also requires an employer to measure the funded status of a plan as of the date of its year-end statement of financial position, with limited exceptions. SFAS No. 158 is effective for employers with publicly traded equity securities as of the end of the fiscal year ending after December 15, 2006, and for employers without publicly traded equity securities as of the end of the fiscal year ending after June 15, 2007. Neoprobe is required to adopt SFAS No. 158 beginning January 1, 2007. We do not expect the adoption of SFAS No. 158 to have a material impact on our consolidated results of operations and financial condition.

Critical Accounting Policies

The following accounting policies are considered by us to be critical to our results of operations and financial condition.

Revenue Recognition Related to Net Sales. We currently generate revenue primarily from sales of our gamma detection products; however, sales of blood flow products constituted approximately 9% of total revenues for the first nine months of 2006 and are expected to increase in the future. Our standard shipping terms are FOB shipping point, and title and risk of loss passes to the customer upon shipment. We generally recognize sales revenue related to sales of our products when the products are shipped and the earnings process has been completed. However, in cases where product is shipped but the earnings process is not yet completed, revenue is deferred until it has been determined that the earnings process has been completed. Our customers have no right to return products purchased in the ordinary course of business.

The prices we charge our primary customer, EES, related to sales of our gamma detection device products are subject to retroactive annual adjustment based on a fixed percentage of the actual sales prices achieved by EES on sales to end customers made during each fiscal year. To the extent that we can reasonably estimate the end-customer prices received by EES, we record sales to EES based upon these estimates. If we are unable to reasonably estimate end customer sales prices related to certain products sold to EES, we record revenue related to these product sales at the minimum (i.e., floor) price provided for under our distribution agreement with EES.

We also generate revenue from the service and repair of out-of-warranty products. Fees charged for service and repair on products not covered by an extended service agreement are recognized on completion of the service process when the serviced or repaired product has been returned to the customer. Fees charged for service or repair of products covered by an extended warranty agreement are deferred and recognized as revenue ratably over the life of the extended service agreement.

Use of Estimates. The preparation of financial statements in conformity with U.S. generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. We base these estimates and assumptions upon historical experience and existing, known circumstances. Actual results could differ from those estimates. Specifically, management may make significant estimates in the following areas:

- *Stock-Based Compensation.* Effective January 1, 2006, we adopted SFAS No. 123(R), Share-Based Payment, which is a revision of SFAS No. 123, Accounting for Stock-Based Compensation. SFAS No. 123(R) supersedes APB Opinion No. 25, Accounting for Stock Issued to Employees , and amends SFAS No. 95, Statement of Cash Flows . SFAS No. 123(R) requires all share-based payments to employees, including grants of employee stock options, to be recognized in the income statement based on their estimated fair values. Compensation cost arising from stock-based awards is recognized as expense using the straight-line method over the vesting period. We used the modified prospective application method in adopting SFAS No. 123(R). We use the Black-Scholes option pricing model to value share-based payments. The valuation assumptions used have not changed from those used under SFAS No. 123. Prior to the adoption of SFAS No. 123(R), we followed the guidance in APB No. 25 which resulted in disclosure only of the financial impact of stock options. Financial statements of the Company for periods prior to January 1, 2006 do not reflect any recorded stock-based compensation expense. In adopting SFAS No. 123(R), we made no modifications to outstanding stock options, nor do we have any other outstanding share-based payment instruments subject to SFAS No. 123(R). Based in part on the anticipated adoption of SFAS No. 123(R), the Company generally reduced the number of stock options issued to employees in 2005 and shortened the vesting periods, with a portion of the options vesting immediately and the remainder vesting over a two-year period as compared to our previous practice of issuing stock options that vested over a three-year period. We will continue to evaluate compensation trends and may further revise our option granting practices in future years.

- *Allowance for Doubtful Accounts.* We maintain an allowance for doubtful accounts receivable to cover estimated losses resulting from the inability of our customers to make required payments. We determine the adequacy of this allowance by regularly reviewing our accounts receivable aging and evaluating individual customer receivables, considering customers' credit and financial condition, payment history and relevant economic conditions. If the financial condition of our customers were to deteriorate, resulting in an impairment of their ability to make payments, additional allowances for doubtful accounts may be required.

- *Inventory Valuation.* We value our inventory at the lower of cost (first-in, first-out method) or market. Our valuation reflects our estimates of excess, slow moving and obsolete inventory as well as inventory with a carrying value in excess of its net realizable value. Write-offs are recorded when product is removed from saleable inventory. We review inventory on hand at least quarterly and record provisions for excess and obsolete inventory based on several factors, including current assessment of future product demand, anticipated release of new products into the market, historical experience and product expiration. Our industry is characterized by rapid product development and frequent new product introductions. Uncertain timing of product approvals, variability in product launch strategies, product recalls and variation in product utilization all impact the estimates related to excess and obsolete inventory.

- *Impairment or Disposal of Long-Lived Assets.* We account for long-lived assets in accordance with the provisions of SFAS No. 144 . This Statement requires that long-lived assets and certain identifiable intangibles be reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount of an asset may not be recoverable. The recoverability of assets to be held and used is measured by a comparison of the carrying amount of an asset to future net undiscounted cash flows expected to be generated by the asset. If such assets are considered to be impaired, the impairment to be recognized is measured by the amount by which the carrying amount of the assets exceeds the fair value of the assets. Assets to be disposed of are reported at the lower of the carrying amount or fair value less costs to sell. As of September 30, 2006, the most significant long-lived assets on our balance sheet relate to assets recorded in connection with the acquisition of Cardiosonix and gamma detection device patents related to sentinel lymph node biopsy (SLNB). The recoverability of these assets is based on the financial projections and models related to the future sales success of Cardiosonix' products and the continuing success of our gamma detection product line. As such, these assets could be subject to significant adjustment should the Cardiosonix technology not be successfully commercialized or the sales amounts in our current projections not be realized.

- *Product Warranty.* We warrant our products against defects in design, materials, and workmanship generally for a period of one year from the date of sale to the end customer. Our accrual for warranty expenses is adjusted periodically to reflect actual experience. EES also reimburses us for a portion of warranty expense incurred based on end customer sales they make during a given fiscal year.

- *Fair Value of Warrant Liability.* U.S. generally accepted accounting principles required us to classify the warrants issued in connection with our December 2004 placement of convertible promissory notes as a liability due to penalty provisions contained in the underlying securities purchase agreement. The penalty provisions could have required us to pay a penalty of 0.0667% per day of the total debt amount if we failed to meet certain registration deadlines, or if our stock was suspended from trading for more than 30 days. As a liability, the warrants were considered derivative instruments that were required to be periodically "marked to market" on our balance sheet. We estimated the fair value of the warrants at December 31, 2004 using the Black-Scholes option pricing model. On February 16, 2005, Neoprobe and the investors confirmed in writing their intention that the penalty provisions which led to this accounting treatment were intended to apply only to the $8.1 million principal balance of the promissory notes and underlying conversion shares and not to the warrant shares. Because the value of our stock increased $0.19 per share from $0.40 per share at the closing date of the financing on December 14, 2004 to $0.59 per share at December 31, 2004, our year end, the effect of marking the warrant liability to "market" at December 31, 2004 resulted in an increase in the estimated fair value of the warrant liability of $1.2 million which was recorded as non-cash expense during the fourth quarter of 2004. Subsequently, the value of our stock increased $0.02 per share from $0.59 at December 31, 2004 to $0.61 per share at February 16, 2005, such that marking the warrant liability to "market" at February 16, 2005 resulted in an increase in the estimated fair value of the warrant liability of $142,427 which was recorded as non-cash expense during the first quarter of 2005. The estimated fair value of the warrant liability was then reclassified to additional paid-in capital during the first quarter of 2005.

DESCRIPTION OF BUSINESS

Development of the Business

We are a biomedical company that develops and commercializes innovative products that enhance patient care and improve patient outcome by meeting the critical intraoperative diagnostic information needs of physicians and therapeutic treatment needs of patients. We were originally incorporated in Ohio in 1983 and reincorporated in Delaware in 1988. Our executive offices are located at 425 Metro Place North, Suite 300, Dublin, Ohio 43017. Our telephone number is (614) 793-7500.

From our inception through 1998, we devoted substantially all of our efforts and resources to the research and clinical development of radiopharmaceutical and medical device technologies related to the intraoperative diagnosis and treatment of cancers, including our proprietary radioimmunoguided surgery (**RIGS**®) technology. At that point, an evaluation of the status of the regulatory pathway for our **RIGS** products coupled with our limited financial resources caused us to suspend development activities related to our radiopharmaceutical business and to retrench our organization to focus on our medical device business. After achieving profitability in 2000 and 2001 following this retrenchment, we set out on a strategy to expand our medical device portfolio outside the cancer field. In December 2001, we took a major step in executing this strategy with the acquisition of Biosonix Ltd., a private Israeli company, which we subsequently renamed Cardiosonix Ltd. (Cardiosonix).

Cardiosonix is commercializing the **Quantix**® line of blood flow measurement devices for a variety of diagnostic and surgical applications in the cardiac and vascular management arena. The decision to expand beyond our product focus on oncology was based on our belief that the Cardiosonix products would diversify the markets we address. We believe the Cardiosonix product line has significant market potential and a path of market adoption similar to our gamma detection devices, but one that also has significant operational synergies in development, regulation and manufacturing to that of our gamma devices.

In addition, although our strategic focus expanded to include cardiac and vascular blood flow management, we continued to look for other avenues to reinvigorate our radiopharmaceutical development. During 2004, our efforts resulted in a number of positive events that caused us to take steps to re-activate development of our radiopharmaceutical and therapeutic initiatives. As a result, we now have two of our radiopharmaceutical products, **Lymphoseek**™ and **RIGScan**® CR, in multi-center clinical trials. In early 2005, we also formed a new subsidiary, Cira Biosciences, Inc. (Cira Bio), to evaluate the current market opportunities for another technology platform, activated cellular therapy (ACT). Our unique virtual business model combines revenue generation from medical devices with the capital infusions we received in late 2004 to allow us to fund **Lymphoseek** development while we look for a development partner to assist us in the final clinical and commercial development for **RIGScan** CR and to evaluate the commercial opportunities for ACT.

Our Technology

Gamma Detection Devices

Through 2006, substantially all of our revenue has been generated from the sale of a line of gamma radiation detection devices and related products used by surgeons in the diagnosis and treatment of cancer and related diseases. Our currently-marketed line of gamma detection devices has been cleared by the U.S. Food and Drug Administration (FDA) and other international regulatory agencies for marketing and commercial distribution throughout most major global markets.

Our patented gamma detection device systems consist of hand-held detector probes and a control unit. The critical detection component is a highly radiosensitive crystal contained in the tip of the probe that relays a signal through a preamplifier to the control unit to produce both a digital readout and an audible signal. The detector element fits into a housing approximately the size of a pocket flashlight. The **neo2000**® Gamma Detection System, originally released in 1998, is the third generation of our gamma detection systems. The **neo2000** is designed as a platform for future growth of our instrument business. The **neo2000** is software upgradeable and is designed to support future surgical targeting probes without the necessity of costly remanufacture. Since 1998, we have developed and released three major software upgrades for customer units designed to improve the utility of the system and/or offer the users additional features.

Surgeons are using our gamma detection devices in a surgical application referred to as sentinel lymph node biopsy (SLNB) or intraoperative lymphatic mapping (lymphatic mapping or ILM). ILM helps trace the lymphatic patterns in a cancer patient to evaluate potential tumor drainage and cancer spread in lymphatic tissue. The technique does not detect cancer; rather it helps surgeons identify the lymph node(s) to which a tumor is likely to drain and spread. The lymph node(s), sometimes referred to as the "sentinel" node(s), may provide critical information about the stage of a patient's disease. ILM begins when a patient is injected at the site of the main tumor with a commercially available radioactive tracing agent. The agent is intended to follow the same lymphatic flow as the cancer would if it had metastasized. The surgeon may then track the agent's path with a hand-held gamma-radiation-detection probe, thus following the potential avenues of metastases and identifying lymph nodes to be biopsied for evaluation and determination of cancer spread.

Numerous clinical studies, involving a total of nearly two thousand patients and published in peer-reviewed medical journals such as *Oncology* (January 1999) and *The Journal of The American College of Surgeons* (December 2000), have indicated ILM is approximately 97% accurate in predicting the presence or absence of disease spread in melanoma and breast cancers. Consequently, it is estimated that more than 80% of breast cancer patients who would otherwise have undergone full axillary lymph node dissections (ALND), involving the removal of as many as 20 - 30 lymph nodes, might be spared this radical surgical procedure if the sentinel node was found to be free of cancer. Surgeons practicing ILM have found that our gamma-detection probes are well suited to the procedure.

Hundreds of articles have been published in recent years in peer-reviewed journals on the topics of sentinel lymph node biopsy and ILM. Furthermore, a number of thought leaders and cancer treatment institutions have recognized and embraced the technology as standard of care for melanoma and for breast cancer. Our marketing partner continues to see strong sales, especially for use in breast cancer treatment. Lymphatic mapping in breast cancer has been the subject of national and international clinical trials, including one major study sponsored by the U.S. Department of Defense and the National Cancer Institute (NCI) and one sponsored by the American College of Surgeons. The first of these trials completed accrual approximately two years ago and preliminary results may be available in the next year to eighteen months. Accrual on the second trial was halted early, due we believe, to the overwhelming desire of patients to be treated with ILM rather than be randomized in a trial whereby they might receive a full axillary dissection. We believe that once data from these trials are published; there may be an additional demand for our devices from those surgeons who have not yet adopted the ILM procedure. We also believe, based on an estimate of the total number of operating rooms in medical centers that are capable of performing the types of procedures in which our gamma devices are used, that while we are potentially reaching saturation at the major cancer centers and teaching institutions , that a significant portion of the global market for gamma detection devices such as ours remains untapped.

In addition to lymphatic mapping, surgeons are investigating the use of our device for other gamma guided surgery applications, such as evaluating the thyroid function, in determining the state of disease in patients with vulvar and penile cancers, and in SLNB in prostate, gastric, colon, head and neck and non-small cell lung cancers. Expanding the application of ILM beyond the current primary uses in the treatment of breast cancer and melanoma is the primary focus of our strategy regarding our gamma guided surgery products. To support that expansion, we continue to work with our marketing and distribution partners to develop additional software-based enhancements to the **neo2000** platform as well as our new Bluetooth® wireless probe introduced in October 2006. To that end, our goals for our gamma device business for 2007 center around introducing additional improvements to our **neo2000** system and working with our marketing partners to further penetrate the breast care market and identify ways to expand the application of ILM to other indications beyond breast cancer and melanoma. We also believe that our development of **Lymphoseek** could be an integral step in helping expand the application of ILM.

Blood Flow Measurement Devices

Accurate blood flow measurement is essential for a variety of clinical needs, including:

- real-time monitoring;
- intra-operative quantification;
- non-invasive diagnostics; and
- evaluation of cardiac function.

Blood flow velocity measurements are often confused with volume blood flow. These two variables, however, are normally different parameters that respond differently to pathological conditions and provide different data. Blood flow velocity is used primarily for determining the existence of a stenosis (narrowing or obstruction) in the vascular surgery setting, while the applications of blood flow volume have potential impact across a much broader range of medical disciplines.

Cardiosonix has developed and is commercializing the **Quantix** line of products that employ a unique and proprietary technology that allows for measurement of blood flow volume, velocity and several other hemodynamic parameters that permit the real-time assessment of conduit hemodynamic status.

The **Quantix** technology utilizes a special application of the Doppler method through simultaneous projection of a combination of narrow beams with a known angle between them. Thus, based on trigonometric and Doppler considerations, the angle of insonation can be obtained, resulting in accurate, angle-independent blood flow velocity measurements that do not require the use of complicated, expensive imaging systems. In order to obtain high-resolution velocity profiles, the **Quantix** devices use a multi-gated pulse wave Doppler beam. With this method, specific sample volumes along the ultrasound beam can be separately evaluated, and the application of a flow/no flow criterion can be made. The Cardiosonix technology applies a special use of digital Doppler technology, which with the digital signal processing power of the system allows hundreds of sample volumes to be sampled and processed simultaneously, thus providing high resolution velocity profiles for both angle and vascular diameter calculations, and subsequently volume blood flow measurements. At present, Cardiosonix has two products in the early stages of commercialization designed to provide blood flow measurement and cardiac output information to physicians in cardiac/vascular surgery and neurosurgery. The technology also has the potential to be applied in other healthcare settings where measurement of blood flow may be beneficial.

Quantix/OR™ is designed to permit cardiovascular surgeons to obtain intraoperative volume blood flow readings in various targeted blood vessels within seconds. The system consists of an insonation angle-independent ultrasound probe and digital numerical displays of blood flow rate. Thus, the surgeon obtains immediate, real-time and quantitative readings while focused on the target vessel. Quantifying blood flow can be very beneficial during anastomostic or other bypass graft procedures to determine adequate blood flow. While measurement is advisable whenever a blood vessel is exposed and manipulated intra-operatively, generally this is not the current practice.

Ultimately, in practice, the surgeon generally resorts to using his eyes and fingers in a process called finger palpation to qualitatively assess vessel flow. The **Quantix/OR** offers the surgeon immediate and simple quantitative assessment of blood flow in multiple blood vessels and grafts. The primary advantage of finger palpation is that it is fast, simple and low cost; the disadvantages are that it requires a good deal of experience, it is difficult to perform in vessels embedded in tissue, it can become difficult to interpret in large vessels, and it permits only a very qualitative and subjective assessment. A significant partial occlusion (or even a total occlusion) will result in significant vessel “distention” and strong pulse that may mislead the surgeon. Rather than rely on such a subjective clinical practice, which is highly experience-dependent, the **Quantix/OR** is designed to allow the surgeon to rely on more quantifiable and objective information. We believe that **Quantix/OR** represents a measurable improvement over existing technologies to directly measure blood flow intraoperatively. Other technologies that attempt to measure intraoperative blood flow directly are generally more invasive and are impractical when non-skeletonized vessel measurements are required. As a result, a majority of surgeons generally resort to finger palpation to qualitatively, rather than quantitatively, measure vessel perfusion.

The initial physician and distributor evaluation of the flagship product, the **Quantix/OR**, during 2004 indicated a number of design deficiencies that needed to be corrected before further commercial distribution of the product was advisable. The development activities for the **Quantix/OR** over the last year have therefore involved modification of the user interface software functions and a redesign of the **Quantix/OR** probe ergonomics to enhance system performance, improve ease of measurement and expand physician acceptance of the system. The **Quantix/OR** device has received CE mark regulatory clearance for marketing in the European Union (EU) as well as FDA 510(k) clearance for marketing in the United States.

Quantix/ND™ is intended to allow neurosurgeons and neurologists, as well as intensive care unit or emergency room physicians, to non-invasively measure the internal carotid artery blood flow in a simple, real-time manner. **Quantix/ND** consists of a control unit and an ultrasound probe that obtains signals directly from the carotid artery in a non-invasive manner. **Quantix/ND** is designed primarily for use in monitoring head trauma patients in neuro-intensive care units and emergency rooms. Periodic blood flow measurements may minimize the risk of brain impairment. To-date, we have placed the **Quantix/ND** device with a limited number of thought leaders. While we are unaware of any competitive measurement system on the market today that provides real-time, bedside, non-invasive, continuous, direct and accurate measurements of a complete suite of hemodynamic parameters including blood flow, we also believe that the current market for the **Quantix/ND** may be primarily as a research tool until additional feedback is received from those who are evaluating the device. The **Quantix/ND** device has received CE mark regulatory clearance for marketing in the EU as well as FDA 510(k) clearance for marketing in the United States.

Our strategy related to Cardiosonix products for the remainder of 2006 and into 2007 is to close on a significant portion of the sales leads we have begun to generate during the third quarter of 2006 and to continue to increase the number of product evaluations to which we are invited. We cannot assure you, however, that any of Cardiosonix' products will achieve market acceptance. See Risk Factors.

Lymphoseek

Our gamma detection devices are primarily capital in nature; as such, they generate revenue only on the initial sale. To complement the one-time revenue stream related to capital products, we are working on developing recurring revenue or "procedural" products that would generate revenue based on each procedure in which they were used. The product we are working on with the greatest near-term potential in this area involves a proprietary drug compound under exclusive worldwide license from the University of California, San Diego (UCSD) that we refer to as **Lymphoseek**. If proven effective and cleared for commercial sale, **Lymphoseek** would be the first radiopharmaceutical specifically designed and labeled for the targeting of lymphatic tissue.

Neoprobe and UCSD completed the initial pre-clinical evaluations of **Lymphoseek** in 2001. Since that time, UCSD has initiated five Phase I clinical trials involving **Lymphoseek**. The status of these trials is listed below:

Indication	Number of Patients	Status
Breast (peritumoral injection)	24	Completed
Melanoma	24	Completed
Breast (intradermal injection, next day surgery)	60	Completed
Prostate	60	Ongoing
Colon	30	Ongoing

These Phase I studies have been supported, including being substantially funded through research grants, by a number of organizations such as the Susan G. Komen Breast Cancer Research Foundation, the American Cancer Society (ACS) and the NCI. Research data from these clinical evaluations of **Lymphoseek** have been presented at recent meetings of the Society of Nuclear Medicine, the Society of Surgical Oncology and the World Sentinel Node Congress.

In November 2003 we met with the Interagency Council on Biomedical Imaging in Oncology (Interagency Council), an organization representing FDA, the NCI and the Centers for Medicare and Medicaid Services, to discuss the regulatory approval process and to determine the objectives for the next clinical trial involving **Lymphoseek**. During 2004, we prepared and submitted an investigational new drug (IND) application to FDA to support the marketing clearance of **Lymphoseek**.

In the first quarter of 2005, we announced that FDA had accepted our application to establish a corporate IND for **Lymphoseek**. With the transfer of the UCSD physician IND to Neoprobe, we assumed full clinical and commercial responsibility for the development of **Lymphoseek**. Following the establishment of the corporate IND, Neoprobe's clinical and regulatory personnel began discussions with FDA regarding the clinical development program for **Lymphoseek**.

As a "first in class" drug, Neoprobe was advised that additional non-clinical studies needed to be completed before additional clinical testing of the drug could occur in humans. The non-clinical testing was successfully completed in the fourth quarter of 2005 and the reports were filed with FDA in December. The seven studies included repeat administrations of **Lymphoseek** at dosages significantly in excess of the anticipated clinical dosage. None of the non-clinical studies revealed any toxicity issues associated with the drug.

In preparation for the commencement of the multi-center clinical study, Neoprobe engaged the services of a global clinical research organization (CRO) to oversee and monitor the conduct of the Phase 2 and Phase 3 clinical studies. Neoprobe and the CRO began working with some of the leading cancer treatment hospitals in the United States that Neoprobe had identified to participate in the clinical studies. We developed and are reviewing with the clinical sites and regulatory agencies the Phase 2 protocol, investigator's brochure and case report forms to obtain regulatory clearance and institutional clearance from the clinical sites to commence patient enrollment in the Phase 2 study. An investigator's meeting was held with the Phase 2 clinical investigators at the recently completed Society of Surgical Oncology (SSO) meeting in March 2006 in preparation for the initiation of patient enrollment in the Phase 2 study. In addition, we used the SSO meeting as a venue to meet with and recruit potential investigators for the planned Phase 3 study of **Lymphoseek** to be initiated later in 2006.

Upon the submission of the IND and draft Phase 2 protocol, FDA advised Neoprobe that commercially produced **Lymphoseek** would need to be used in the Phase 2 clinical study, as opposed to using drug previously manufactured in laboratories at UCSD for the Phase 2 clinical study. Also, the regulatory agencies raised a number of Chemistry, Manufacturing and Control (CMC) questions regarding the drug compound and its complete characterization. Neoprobe began the transfer of bulk drug manufacturing to Reliable Biopharmaceutical early in 2005 and engaged Cardinal Health to develop and validate procedures and assays to establish commercial standards for the formulation, filling and lyophilization of the drug compound. Developing responses to FDA to their CMC questions proved to be more challenging than originally anticipated, but both Reliable and Cardinal are concluding their work and we believe we will be in a position to submit a CMC response to FDA in April 2006.

We were notified by FDA in May 2006 that they completed their review of our submissions and that we were released from clinical hold to commence patient enrollment for a Phase 2 clinical study of **Lymphoseek**. The first of our Phase 2 clinical sites received clearance from its internal clinical review committee or Institutional Review Board (IRB) in July 2006. The IRB clearance permitted us to finalize arrangements to begin patient screening and enrollment activities for the Phase 2 trial, and we began patient enrollment in September. We had originally hoped to provide top-line results for the first 40 patients in our Phase 2 trial of **Lymphoseek** during early October. Unfortunately, the time required to obtain the necessary approvals from the IRBs and to then execute the research contracts at some of the participating clinical institutions has taken significantly longer than expected. We now have IRB approval at four of the five participating institutions and are actively enrolling patients at these four sites. We expect to have IRB approval at the fifth and final site later in December so that patient enrollment can commence there as well. While it is possible for us to complete the Phase 2 trial with patients recruited from institutions that already are enrolling patients in the Phase 2 study, we would like to have participation in the study be as broad as possible. Therefore, we do not expect to announce the results from the first 40 patients prior to the end of the year. We currently expect enrollment in the Phase 2 trial to be completed during the first quarter of 2007. This will mean that the commencement of the Phase 3 trial will likely now begin sometime during the latter part of the second quarter or early third quarter of 2007; however, we currently plan to increase the number of participating institutions in the Phase 3 trial beyond the initial 12 to 15 sites originally planned. This should enable us to enroll patients at a more rapid rate. Our goal is to file the NDA for **Lymphoseek** by the end of 2007. We believe that strenuously following the guidance we are receiving from FDA will ultimately pay dividends in the review process for the NDA as we remain highly confident in the clinical benefit and market potential of **Lymphoseek**. We believe that **Lymphoseek** can be commercialized during late 2008 or early 2009 and, if approved, should provide a positive financial contribution to Neoprobe in 2008. As a result of the delays we have experienced and modifications made to the number of patients we expect to enroll, as well as revisions in our regulatory pathway, our current estimate of total out-of-pocket development costs has increased to approximately $6 to $7 million. In addition, Neoprobe has discussed the drug approval and registration process through the centralized European drug evaluation procedures with the European Medicinal Evaluation Agency (EMEA) in London. We intend to use the results from the Phase 3 clinical evaluation of **Lymphoseek** to support the drug registration application process with the EMEA. We cannot assure you, however, that this product will achieve regulatory approval, or if approved, that it will achieve market acceptance. See Risk Factors.

RIGS

From inception until 1998, Neoprobe devoted significant efforts and resources to the development of its proprietary **RIGS** technology. The **RIGS** system combines a patented hand-held gamma radiation detection probe, proprietary radiolabeled cancer-specific targeting agents, and patented surgical methods to provide surgeons with real-time information to locate tumor deposits not detectable by conventional methods, and to assist in more thorough removal of the cancer. The **RIGS** system is designed to assist the surgeon in the more thorough removal of the cancer, thereby leading to improved surgical treatment of the patient. The targeting agents used in the **RIGS** process are monoclonal antibodies, labeled with a radioactive isotope that emits low energy gamma rays. The device used is a very sensitive radiation detection instrument that is capable of detecting small amounts of radiation bound to the targeting agent. Before surgery, a cancer patient is injected with one of the targeting agents which circulates throughout the patient's body and binds specifically to cancer cell antigens or receptors. Concentrations of the targeting agent are then located during surgery by Neoprobe's gamma-detection device, which emits an audible tone to direct the surgeon to targeted tissue.

RIGScan CR is an intraoperative agent consisting of a radiolabeled murine monoclonal antibody (MAb CC49). The radiolabel used is ^{125}I, a 27 - 35 KeV emitting isotope. The MAb used in **RIGScan** CR is the CC49 MAb developed by the NCI and licensed to Neoprobe by the National Institutes of Health (NIH). The CC49 MAb is produced from a murine cell line generated by the fusion of splenic lymphocytes from mice immunized with tumor-associated glycoprotein-72 (TAG-72) with non-immunoglobulin secreting P3-NS-1-Ag4 myeloma cells. The CC49 MAb localizes or binds to TAG-72 and shows a strong reactivity with both LS-174T colon cancer extract and to a breast cancer extract.

RIGScan CR is the biologic component for the **RIGS** system to be used in patients with colon or rectal cancer. The **RIGS** system was conceived to be a diagnostic aid in the intraoperative detection of clinically occult disease. **RIGScan** CR is intended to be used in conjunction with other diagnostic methods, for the detection of the extent and location of tumor in patients with colorectal cancer. The detection of clinically occult tumor provides the surgeon with a more accurate assessment of the extent of disease, and therefore may impact the surgical and therapeutic management of the patient. Clinical trials suggest that **RIGScan** CR provides additional information outside that provided by standard diagnostic modalities (including surgical exploration) that may aid in patient management. Specifically, **RIGScan** CR used as a component of the **RIGS** system confirms the location of surgically suspicious metastases, evaluates the margins of surgical resection, and detects occult tumor in perihepatic (portal and celiac axis) lymph nodes.

Neoprobe conducted two Phase 3 studies, NEO2-13 and NEO2-14, of **RIGScan** CR in the mid-1990s in patients with primary and metastatic colorectal cancer, respectively. Both studies were multi-institutional involving cancer treatment institutions in the United States, Israel, and Europe. The primary endpoint of both studies was to demonstrate that **RIGScan** CR detected pathology-confirmed disease that had been undetected by traditional preoperative (*i.e.,* CT Scans) or intraoperative (*i.e.*, surgeon's visual observations and palpation) means. That is, the trials were intended to show that the use of **RIGScan** CR assisted the surgeon in the detection of occult tumor. In 1996, Neoprobe submitted applications to the EMEA and FDA for marketing approval of **RIGScan** CR for the detection of metastatic colorectal cancer.

Clinical study NEO2-14, which was submitted to FDA in the **RIGScan** CR Biologic License Application (BLA), enrolled 151 colorectal cancer patients with either suspected metastatic primary colorectal disease or recurrent colorectal disease. During FDA's review of the BLA, 109 of the enrolled patients were determined to be evaluable patients. Clinical study NEO2-13 was conducted in 287 enrolled patients with primary colorectal disease. The primary end-point for clinical study NEO2-13 was the identification of occult tumor.

NEO2-14 was the pivotal study submitted with Neoprobe's referenced BLA. Two additional studies evaluating patients with either primary or metastatic colorectal disease, NEO2-11 (a multi-center study) and NEO2-18 (a single institution study), were included in the BLA and provided supportive proof of concept (*i.e.*, localization and occult tumor detection) and safety data. A study summary report for NEO2-13 was submitted under the BLA; however, FDA undertook no formal review of the study.

Following review of our applications, we received requests for further information from FDA and from the European Committee for Proprietary Medicinal Products on behalf of the EMEA. Both FDA and EMEA acknowledged that our studies met the diagnostic endpoint of the Phase 3 clinical study, which was to provide incremental information to the surgeon regarding the location of hidden tumor. However, both agencies wanted to know how the finding of additional tumor provided clinical benefit that altered patient management or outcome for patients with metastatic colorectal cancer. In a series of conversations with FDA the product claims were narrowed to the intraoperative detection of hepatic and perihepatic disease in patients with advanced colorectal cancer and patients with recurrent colorectal cancer.

FDA determined during its review of the BLA that the clinical studies of **RIGScan** CR needed to demonstrate clinical utility in addition to identifying additional pathology confirmed disease. In discussions between Neoprobe and the agency, an FDA driven post hoc analysis plan was developed to limit the evaluation of **RIGScan** CR to patients with hepatic and perihepatic disease with known metastasis to the liver. Findings of "occult" disease and subsequent changes in patient management (*i.e*., abandoning otherwise risky hepatic resections) in this limited population would serve as a measure of patient benefit. FDA's analysis of the patients enrolled in NEO2-14 matching the limited criteria was evaluated with a determination to confirm the surgical resection abandonment outcome. The number of evaluable patients in this redefined patient population was deemed too small by the agency and the lack of pre-stated protocol guidance precluded consistent sets of management changes given similar occult findings. The number of evaluable patients for any measure of clinical utility, therefore, was too small to meet relevant licensing requirements and FDA ultimately issued a not approvable letter for the BLA on December 22, 1997, describing certain clinical and manufacturing deficiencies. Neoprobe withdrew its application to the EMEA in November 1997.

We developed a clinical response plan for both agencies during the first half of 1998. However, following our analysis of the regulatory pathways for approval that existed at that time, we determined that we did not have sufficient financial resources to conduct the additional studies requested and sought to identify others with an interest in continuing the development process.

In recent years, we have obtained access to survival analyses of patients treated with **RIGScan** CR which have been prepared by third parties, indicating that **RIGScan** CR may be predictive of, or actually contribute to, a positive outcome when measuring survival of the patients that participated in our original BLA studies. The data or its possible significance was unknown at the time of the BLA review given the limited maturity of the follow-up experience. The data includes publication by some of the primary investigators involved in the Phase 3 **RIGS** trials who have independently conducted survival follow-up analyses to their own institution's **RIGS** trial patients with apparently favorable results relating to the long-term survival prognosis of patients who were treated with **RIGS**. In addition, we have recently learned that FDA has held the BLA originally filed with FDA in 1996 open. Based primarily on these pieces of information, we requested a meeting with FDA to discuss the possible next steps for evaluating the survival related to our previous Phase 3 clinical trials as well as the possible submission of this data, if acceptable, as a prospective analysis in response to questions originally asked by FDA in response to our original BLA.

The April 2004 meeting with FDA was an important event in the re-activation of the **RIGS** program. The meeting was very helpful from a number of aspects: we confirmed that the **RIGS** BLA remains active and open. We believe this will improve both the cost effectiveness and timeliness of future regulatory submissions for **RIGScan** CR. Additionally, FDA preliminarily confirmed that the BLA may be applicable to the general colorectal population; and not just the recurrent colorectal market as applied for in 1996. Applicability to a general colorectal population could result in a greater market potential for the product than if applicable to just the recurrent population. During the meeting, FDA indicated that it would consider possible prognostic indications for **RIGScan** CR and that survival data from one of our earlier Phase 3 studies could be supportive of a prognostic indication. We provided FDA with a draft protocol for a Phase 3 prognostic/therapeutic trial.

Neoprobe received a response from FDA that the prognostic/therapeutic trial design appeared to meet their guidelines. FDA's response to our clinical submission included an invitation for Neoprobe to seek a special protocol assessment (SPA) of its proposed Phase 3 study. Neoprobe intends to seek a SPA review of the complete Phase 3 package including the clinical protocol, training materials and data collection forms later this year. In concert with our meetings with FDA, we met with representatives of the European regulatory body, the EMEA, to seek guidance for the **RIGScan** CR program in Europe. The guidance from the EMEA was consistent with the input from FDA with the additional recommendation that any future clinical studies be conducted with the humanized version of the **RIGScan** CR antibody. It is possible that the regulatory pathway may continue to evolve as we seek to reach a consensus with the regulatory agencies on the reactivation of the BLA for **RIGScan** CR.

In addition, the **RIGScan** CR biologic drug has not been produced for several years and we believe it is likely we would have to perform some additional work related to ensuring the drug cell line is still viable and submit this data to FDA for their evaluation before approval could be considered. We have initiated discussions with established biologic manufacturing organizations to determine the costs and timelines associated with the production of commercial quantities of the CC49 antibody. In addition, we will need to establish radiolabeling capabilities for the CC49 antibody in order to meet the regulatory needs for the **RIGScan** CR product.

In parallel with our discussions with the regulatory authorities, we have discussed the clinical and regulatory strategy for **RIGScan** CR with reimbursement consultants who provided us with valuable input regarding the potential target pricing for a **RIGScan** product.

In November 2005, Neoprobe submitted a corporate IND application for the modified humanized version of **RIGScan** CR. With the establishment of the corporate IND, responsibility for the clinical and commercial development of the humanized version of **RIGScan** CR was officially transferred from a physician sponsored IND to Neoprobe. Prior to the evaluation of modified antibody in a Phase I clinical trial, all clinical development of **RIGScan** CR had been conducted with a murine (i.e., mouse DNA-based) version of a monoclonal antibody. The Phase I trial was the first test in human patients using a modified version of the antibody from which the prominent parts of the mouse DNA chain had been removed. In early 2006, we filed an IND amendment that included a final report to FDA of the Phase I study.

During 2005, we devoted significant effort, working in connection with business development consultants, toward the identification of potential development partners for **RIGScan** CR. Our efforts to date have resulted in discussions with a number of parties, some of which have led to due diligence and partnership discussions. We continue to believe it will be necessary for Neoprobe to identify a development partner or an alternative funding source in order to prepare for and to fund the pivotal clinical testing that will be necessary to gain marketing clearance for **RIGScan** CR. However, while we have parties who have indicated an interest in the technology, none of the discussions to-date have resulted in definitive agreements with any party or parties. In addition, we do not believe these efforts will result in a partnership until further clarity can be added to the **RIGScan** regulatory approval pathway, such as perhaps obtaining a positive SPA determination from FDA. However, even if we are able to make such arrangements on satisfactory terms, we believe that the time required for continued development, regulatory approval and commercialization of a **RIGS** product would likely be a minimum of five years before we receive any significant product-related royalties or revenues. We cannot assure you that we will be able to complete definitive agreements with a development partner for the **RIGS** technology and do not know if a partner will be obtained on a timely basis on terms acceptable to us, or at all. We also cannot assure you that FDA or the EMEA will clear our **RIGS** products for marketing or that any such products will be successfully introduced or achieve market acceptance. See Risk Factors.

Activated Cellular Therapy

Through various research collaborations, we performed early stage research on another technology platform, ACT, based on work originally done in conjunction with the **RIGS** technology. ACT is intended to boost the patient's own immune system by removing lymph nodes identified during surgery and then, in a cell processing technique, activating and expanding "helper" T-cells found in the nodes. Within 10 to 14 days, the patient's own immune cells, activated and numbering more than 20 billion, are infused into the patient in an attempt to trigger a more effective immune response to the cancer.

In the course of our research into ACT performed with **RIGS**, we learned that these lymph node lymphocytes containing helper T-cells could be activated and expanded to treat viral and autoimmune disease afflicted patients as well as oncology patients. We have seen promising efficacy of this technology demonstrated from six Phase I clinical trials covering the oncology, viral and autoimmune applications.

In 2005, we formed a new subsidiary, Cira Bio, to explore the development of ACT. Neoprobe owns approximately 90% of the outstanding shares of Cira Bio with the remaining shares being held by the principals of a private holding company, Cira LLC. In conjunction with the formation of Cira Bio, an amended technology license agreement also was executed with The Ohio State University, from whom both Neoprobe and Cira LLC had originally licensed or optioned the various cellular therapy technologies. As a result of the cross-license agreements, Cira Bio has the exclusive development and commercialization rights to three issued U.S. patents that cover the oncology and autoimmune applications of its technology. In addition, Cira Bio has exclusive licenses to several pending patent applications.

Cira Bio engaged the Battelle Memorial Institute to complete a technology and manufacturing process assessment of the cellular therapy approach. In addition, a scientific advisory group is being formed to develop a clinical and regulatory approach for the Cira Bio technology. Following the completion of these assessments and the formation of a commercialization strategy, Cira Bio intends to raise the necessary capital to move this technology platform forward. The means by which this funding is obtained will likely dilute Neoprobe's ownership interest in Cira Bio; however, we believe that moving forward such a promising technology will only yield positive results for the Neoprobe stockholders and the patients who could benefit from these treatments. However, we do not know if we will be successful in obtaining additional funding, on terms acceptable to us, or at all.

In addition, although the prospects for ACT may be improved depending on the outcome of a decision to renew development efforts for **RIGS**, we currently do not intend to fund any significant ACT-related research and development beyond the evaluation work performed in 2005 until a source of further funding is identified. We cannot assure you that we will be successful in obtaining additional funding, or if obtained, that any ACT products will be successfully developed, tested or licensed, or that any such products will gain market acceptance. See Risk Factors.

Market Overviews

The medical device marketplace is a fast growing market. *Medical Device & Diagnostic Industry* magazine reports an annual medical device and diagnostic market of $75 billion in the U.S. and $169 billion internationally.

Cancer Market Overview

Cancer is the second leading cause of death in the U.S. and Western Europe and is responsible for over half a million deaths annually in the U.S. alone. The NIH estimates the overall annual costs for cancer (the primary focus of our gamma detection and pharmaceutical products) for the U.S. in the year 2005 at $209.9 billion: $74.0 billion for direct medical costs, $17.5 billion for indirect morbidity, and $118.4 billion for indirect mortality. Our line of gamma detection systems is currently used primarily in the application of ILM in breast cancer and melanoma which, according the ACS, are expected to account for 15% and 4%, respectively, of new cancer cases in the U.S. in 2006.

The NIH has estimated that breast cancer will annually affect approximately 500,000 women in North America, Western Europe, and other major economic markets. Breast cancer is the second leading cause of death from cancer among all women in the U.S. According to the ACS, nearly 213,000 new cases of invasive breast cancer are expected to be diagnosed and approximately 41,000 women are expected to die from the disease during 2006 in the U.S. alone. The incidence of breast cancer increases with age, rising from about 100 cases per 100,000 women at age 40 to about 400 cases per 100,000 women at age 65. Thus, we believe that the significant aging of the population, combined with improved education and awareness of breast cancer and diagnostic methods, will lead to an increased number of breast cancer surgical diagnostic procedures.

Approximately 80% of the patients diagnosed with breast cancer undergo a lymph node dissection (either ALND or SLNB) to determine if the disease has spread. While many breast cancer patients are treated in large cancer centers or university hospitals, regional and/or community hospitals currently treat the majority of breast cancer patients. Over 10,000 hospitals are located in the markets targeted for our gamma detection ILM products. While we are aware of no published statistics on the number of institutions that are currently using gamma detection devices in ILM, we believe that approximately fifty percent of the total potential global market for gamma detecting devices remains to be penetrated at this time. However, if the potential of **Lymphoseek** as a radioactive tracing agent is ultimately realized, it has the potential to address not only the current breast and melanoma markets on a procedural basis, but also to assist in the clinical evaluation and staging of solid tumor cancers and expanding ILM to additional indications, such as gastric, non-small cell lung and other solid tumor cancers.

We estimate the total market potential for **Lymphoseek**, if ultimately approved for all of these indications, could exceed $200 million. However, we cannot assure you that **Lymphoseek** will be cleared to market, or if cleared to market, that it will achieve the prices or sales we have estimated.

The ACS estimates that over 147,000 new incidences of colon and rectal cancers will occur in the U.S. in 2006. Based on an assumed recurrence rate of 40%, this would translate into total potential surgical procedures of over 200,000 annually in the U.S. alone. We believe the number of procedures in other markets of the world to be approximately two times the estimated U.S. market. As a result, we believe the total potential global market for **RIGScan** CR could be in excess of $3 billion annually, depending on the level of reimbursement allowed. However, we cannot assure you that **RIGScan** CR will be cleared to market, or if cleared to market, that it will receive the reimbursement or achieve the level of sales we have currently estimated.

Blood Flow Measurement Market Overview

Cardiovascular disease is the number one killer of men and women in the U.S. and in a majority of countries in the rest of the world that track such statistics. The Centers for Disease Control registered over 6.8 million inpatient cardiovascular procedures in the U.S. during 2003 that directly involve cardiovascular circulation. In the United States in 2003, the National Center for Healthcare Services estimates that there were 467,000 coronary artery bypass surgeries performed on 268,000 patients. We, as well as our competitors and other industry analysts, generally estimate the rest of the world's incidence of such modalities at roughly twice U.S. estimates.

The American Heart Association (AHA) estimates the total cost of cardiovascular diseases and stroke in the United States will exceed $403.1 billion in 2006. A substantial portion of these expenditures is expected to be for non-invasive image and intravascular examination. We are focused on two distinct markets within the hospital setting for Cardiosonix' products:

- intraoperative assessment (**Quantix/OR**); and,
- non-invasive diagnostics (**Quantix/ND**).

Based on data obtained from the AHA, the Society of Thoracic Surgeons and the American Hospital Association, it is estimated that there are approximately 1 million vascular and cardiovascular procedures performed in the U.S. that could benefit from qualitative blood flow measurement. Based on these estimates, information obtained from industry sources and data published by our competitors and other medical device companies, we estimate the worldwide total of target procedures to be approximately two times the U.S. totals.

Based on the above number of procedures, assuming we are able to achieve market prices that are comparable to what our competitors are achieving (estimated at averaging $20,000 per system or $130 per procedural use), we believe the worldwide market potential for blood flow measurement products in the niches which our products address to be more than $1 billion. However, at the present state of market development and acceptance of the blood flow measurement within the medical community, the penetrable market is likely significantly less. We believe that gaining even a modest share of the penetrable market could result in meaningful annual revenues for our company. We cannot assure you, however, that Cardiosonix products will achieve market acceptance and generate the level of sales or prices anticipated.

Marketing and Distribution

Gamma Detection Devices

We began marketing the current generation of our gamma detection systems, the **neo2000**, in October 1998. Since October of 1999, our gamma detection systems have been marketed and distributed throughout most of the world through Ethicon Endo-Surgery, Inc. (EES), a Johnson & Johnson company. In Japan, however, we market our products through a pre-existing relationship with Century Medical, Inc.

The heart of the **neo2000** system is a control unit that is software-upgradeable, permitting product enhancements without costly remanufacturing. Since the original launch of the **neo2000** system, we have introduced an enhanced version of our 14mm reusable probe optimized for lymphatic mapping procedures and a laparoscopic probe intended for certain minimally invasive procedures. We have also developed three major software version upgrades for the system that have been made available for sale to customers. We intend to continue developing additional ILM-related probes and instrument products in cooperation with EES to maintain our leadership position in the ILM field.

Physician training is critical to the use and adoption of ILM products by surgeons and other medical professionals. Our company and our marketing partners have established relationships with leaders in the ILM surgical community and have established and supported training courses internationally for lymphatic mapping. We intend to continue to work with our partners to expand the number of ILM training courses available to surgeons.

We entered into our current distribution agreement with EES effective October 1, 1999 for an initial five year term with options to extend for two successive two-year terms. In March 2004, EES exercised its first two year extension option, and in March 2006 EES exercised its option for the second two-year term extension, thus extending the term of our current agreement through December 31, 2008. Under this agreement, we manufacture and sell our ILM products almost exclusively to EES, who distributes the products globally (except for Japan). EES has no ongoing purchase or reimbursement commitments to us other than the rolling four-month binding purchase commitment for gamma detection devices as outlined in the distribution agreement. Our agreement with EES also contains certain termination provisions and licenses to our intellectual property that take effect only in the event we fail to supply product, or for other reasons such as a change of control. See Risk Factors.

Gamma Detection Radiopharmaceuticals

We have not established a marketing or distribution channel for either **RIGScan** CR or **Lymphoseek**. We anticipate initiating such discussions as we continue to move forward with clinical development. We have had initial discussions with parties who may be interested in marketing and distribution of these products; however, such discussions to date have been preliminary in nature and have not resulted in any definitive arrangements. With respect to **RIGScan** CR, we believe there are development milestones that can be achieved prior to the need for significant capital investment in **RIGScan** CR such as preparing the request for a SPA and completing a final protocol review. However, we continue to believe it will be necessary for Neoprobe to identify a development partner or an alternative funding source in order to prepare for and to fund the pivotal clinical testing that will be necessary to gain marketing clearance for **RIGScan** CR. At the present time, while we have parties who have indicated an interest in entering into a development relationship, we do not believe these efforts will result in a definitive partnership until at least a positive SPA is obtained. We cannot assure you that we will be able to secure marketing and distribution partners for **RIGS** or **Lymphoseek**, or if secured, that such arrangements will result in significant sales of either product.

Blood Flow Measurement Devices

Both of our blood flow measurement devices, the **Quantix/ND** and **Quantix/OR** have received marketing clearance in the U.S. and the EU and certain other foreign markets. Our goal is to ensure sales and distribution coverage through third parties of substantially all of the U.S., the EU, the Pacific Rim of Asia and selective markets in the rest of the world. Currently, we have in place or have executed or reached agreement in principle with distributors and/or master distributors for the **Quantix/OR** covering the United States, all major market countries in the European Union as well substantially all countries that comprise the Pacific Rim of Asia. In addition, we have distribution arrangements in place covering major portions of Central and South America.

We anticipate spending a significant amount of time and effort during the remainder of 2006 and into 2007 to close on leads generated regarding the **Quantix/OR** and to develop new sales leads. The sales cycle for medical devices such as our blood flow products is typically a four to six month cycle. This sales cycle, coupled with the timetable necessary to train our new distributors we have engaged during 2006 has resulted in disappointing sales levels of our blood flow measurement equipment to date. We are also investigating alternative pricing strategies such as per use fees or leasing that may affect the adoption rates for our blood flow measurement devices. As a result, we anticipate that the product development and market support costs we will incur in 2006 will be greater than the revenue we generate from the sales of blood flow devices. We are still evaluating our outlook for 2007 but believe the coming quarters are important to demonstrating the ultimate viability of this product line.

Manufacturing

Gamma Detection Devices

We rely on independent contract manufacturers, some of which are single-source suppliers, for the manufacture of the principal components of our current line of gamma detection system products. See Risk Factors. We have devoted significant resources to develop production capability for our gamma detection systems at qualified contract manufacturers. Production of the **neo2000** control unit, the 14mm probe and the 11mm laparoscopic probe involve the manufacture of components by a combination of subcontractors, including but not limited to eV Products, a division of II-VI Corporation (eV), and TriVirix International, Inc. (TriVirix). Currently, we have a manufacturing and supply agreement with TriVirix for the manufacture of the 14mm probe, 11mm laparoscopic probe and the **neo2000** control unit. We also purchase certain accessories for our line of gamma detection systems from other qualified manufacturers.

In December 1997, we entered into a supply agreement with eV for the supply of certain crystals and associated electronics to be used in the manufacture of our proprietary line of hand-held gamma detection probes. The original term of the agreement with eV expired on December 31, 2002 and was automatically extended through December 31, 2005. eV supplies 100% of the crystals used in our products. While eV is not the only potential supplier of such crystals, any prolonged interruption of this source could restrict the availability of our probe products, which would adversely affect our operating results.

In February 2004, we executed a Product Supply Agreement with TriVirix for the manufacture of the **neo2000**, 14mm probe and 11mm laparoscopic probe. The initial term of this agreement expires in February 2007 but will automatically be extended for successive one-year periods unless six months notice is provided by either party.

We cannot assure you that we will be able to maintain agreements with our subcontractors on terms acceptable to us, or that our subcontractors will be able to meet our production requirements on a timely basis, at the required levels of performance and quality. In the event that any of our subcontractors is unable or unwilling to meet our production requirements, we cannot assure you that an alternate source of supply could be established without significant interruption in product supply or without significant adverse impact to product availability or cost. Any significant supply interruption or yield problems that we or our subcontractors experience would have a material adverse effect on our ability to manufacture our products and, therefore, a material adverse effect on our business, financial condition, and results of operations until a new source of supply is qualified. See Risk Factors.

Gamma Detection Radiopharmaceuticals

In preparation for the commencement of multi-center clinical evaluation of **Lymphoseek**, Neoprobe has engaged drug manufacturing organizations to produce the drug for use in the Phase 2 and pivotal (i.e., Phase 3) clinical trials. Neoprobe selected Reliable Biopharmaceuticals (Reliable) to produce the basic chemical compound and Cardinal Health (Cardinal) to perform product lyophilization (i.e., freeze-drying) and packaging processes. Once packaged, the vialed drug can then be shipped to a hospital or regional commercial radiopharmacy where it can be made radioactive (i.e., radiolabeled) with Tc99m to become **Lymphoseek**. The commercial manufacturing processes at Reliable and Cardinal have been validated and both organizations have assisted Neoprobe in the preparation of chemistry, manufacturing and control section of our submissions to FDA. At this point, our agreements with Reliable and Cardinal cover only product to be used in the clinical trials for **Lymphoseek**. Further commercial supply and distribution agreements have yet to be negotiated with both Reliable and Cardinal. We cannot assure you that we will be successful in reaching such agreements with Reliable or Cardinal on terms satisfactory to us or at all.

In preparation for the initiation of the next phase of clinical evaluation of **RIGScan** CR, we have also initiated discussions with potential biologic manufacturers and radiolabeling organizations. We have held discussions with parties who may assist in the manufacturing validation and radiolabeling of the **RIGScan** product; however, we have not yet finalized agreements with these entities. We anticipate finalizing these discussions following securing a development partner in order to accommodate the commencement of future **RIGScan** CR clinical trials. We cannot assure you that we will be successful in securing and/or maintaining the necessary biologic, product and/or radiolabeling capabilities. See Risk Factors.

Blood Flow Measurement Devices

The **Quantix** blood flow measurement devices distributed to date have been manufactured by our subsidiary, Cardiosonix Ltd. In early 2006, we received the approval from the Office of the Chief Scientist in Israel to transfer manufacturing rights for the **Quantix** devices to Neoprobe. See Risk Factors. Future assembly of **Quantix** blood flow control units will therefore be done under the terms of the Product Supply Agreement we have in place with TriVirix for the assembly of our gamma devices. Assembly of the **Quantix/OR** control units started at TriVirix in March 2006. We currently purchase ultrasound transducer modules and probe subassemblies from Vermon S.A. (Vermon) of France under purchase orders. The ultrasound probe assemblies are then completed by Technical Services for Electronics, Inc. (TSE), also under purchase orders.

We cannot assure you that we will be able to finalize supply and service agreements with Vermon, TSE or other subcontractors for the **Quantix** products, that we will be able to maintain our agreement with TriVirix, or that our subcontractors will be able to meet our production requirements on a timely basis, at the required levels of performance and quality. In the event that any of our subcontractors is unable or unwilling to meet our production requirements, we cannot assure you that an alternate source of supply could be established without significant interruption in product supply or without significant adverse impact to product availability or cost. Any significant supply interruption or yield problems that we or our subcontractors experience would have a material adverse effect on our ability to manufacture our products and, therefore, a material adverse effect on our business, financial condition, and results of operations until a new source of supply is qualified. See Risk Factors.

Competition

We face competition from medical product and biotechnology companies, as well as from universities and other non-profit research organizations in the field of cancer diagnostics and treatment. Many emerging medical product companies have corporate partnership arrangements with large, established companies to support the research, development, and commercialization of products that may be competitive with our products. In addition, a number of large established companies are developing proprietary technologies or have enhanced their capabilities by entering into arrangements with or acquiring companies with technologies applicable to the detection or treatment of cancer and the measurement of blood flow. Many of our existing or potential competitors have substantially greater financial, research and development, regulatory, marketing, and production resources than we have. Other companies may develop and introduce products and processes competitive with or superior to those of ours. See Risk Factors.

For our products, an important factor in competition is the timing of market introduction of our products or those of our competitors' products. Accordingly, the relative speed with which we can develop products, complete the regulatory clearance processes and supply commercial quantities of the products to the market is an important competitive factor. We expect that competition among products cleared for marketing will be based on, among other things, product efficacy, safety, reliability, availability, price, and patent position.

Gamma Detection Devices

With the emergence of ILM, a number of companies have begun to market gamma radiation detection instruments. Most of the competitive products have been designed from an industrial or nuclear medicine perspective rather than being developed initially for surgical use. We compete with products produced and/or marketed by Care Wise Medical Products Corporation, SenoRx, Pol.Hi.Tech. Srl, and other companies. GE Healthcare (GE) has recently entered the gamma detection market through an arrangement with Intra-Medical Imaging LLC. We are still assessing the impact of GE's entry into the market.

It is often difficult to glean accurate competitive information within the lymphatic mapping field, primarily because most of our competitors are either subsidiaries or divisions of a large corporation or privately held corporations, whose sales revenue or volume data is, therefore, not readily available or determinable. In addition, lymphatic mapping does not currently have a separate reimbursement code in most healthcare systems. As such, determining trends in the actual number of procedures being performed using lymphatic mapping is difficult. We believe, based on our understanding of EES' success rate in competitive bid situations, that our market share has remained relatively constant or increased slightly in light of changes in the competitive landscape over the past few years. As we have discussed, we believe that current sales levels indicate that some prospective customers may be waiting on the results of important international clinical trials prior to adoption the ILM procedure and purchasing a gamma detection device. We expect the results from these trials, when announced, will likely have a positive impact on sales volumes. We believe our intellectual property portfolio will be a barrier to competitive products; however, we cannot assure you that competitive products will not be developed, be successful in eroding our market share or affect the prices we receive for our gamma detection devices. See Risk Factors.

Gamma Detection Radiopharmaceuticals

We do not believe there are any directly competitive intraoperative diagnostic radiopharmaceuticals with **RIGScan** CR that would be used intraoperatively in the colorectal cancer application that **RIGScan** CR is initially targeted for. There are other radiopharmaceuticals that are used as preoperative imaging agents; however, we are unaware of any that could be used as a real-time diagnostic aid during surgery such as **RIGScan** CR.

Surgeons who practice the lymphatic mapping procedure that **Lymphoseek** is intended for currently use other radiopharmaceuticals such as a sulphur-colloid compound in the U.S. and other colloidal compounds in other markets. However, these drugs are being used "off-label" (i.e., they are not specifically indicated for use as a lymphatic targeting agent). As such, we believe that **Lymphoseek**, if ultimately approved, would be the first drug specifically labeled for use as a lymphatic tissue targeting agent.

Blood Flow Measurement Devices

There are several technologies on the market that measure or claim to measure indices of blood flow. These products can be categorized as devices that measure blood flow directly and devices that only obtain an estimation of flow conditions. We believe our device is most directly competitive with Transit Time Ultrasound (TT) Flowmetry. TT is the leading modality for blood flow measurement in the operating room today. TT systems monitor blood flow invasively and are restricted to isolated vessels. They require probe adaptation to the vessel size, and do not provide additional vascular parameters. The technology requires the operator to encircle the blood vessel with a probe that includes two ultrasound transmitters/receivers on one side, and a mirror reflector on the opposite side of the vessel. By measuring the transit time of the ultrasound beam in the upstream and downstream directions, volume blood flow estimates can be evaluated. In addition, there are other competitive technologies which utilize Doppler ultrasound. Doppler technology has been around for several decades, and is being widely used in non-invasive vascular diagnostics. Duplex ultrasound systems have the potential to measure blood flow non-invasively. Duplex systems are designed for imaging the anatomical severity of pathology. This method is technician-dependent, often cumbersome and does not offer monitoring capabilities. Plain Doppler systems provide only blood flow velocity rather than volume flow.

Cardiosonix products are designed to address blood flow measurement across a variety of clinical and surgical settings, and there are a number of companies already in the marketplace that offer products related to blood flow measurement. However, most of these products do not directly compete with Cardiosonix products. The companies that do offer potentially competitive products are, for the most part, smaller, privately held companies, with which we believe we can effectively compete. Indeed, due to our belief in the technical superiority of our products, we believe the existence of competitors will help to educate the marketplace regarding the importance of blood flow measurement. As we have discussed, adoption of blood flow monitoring devices for the measurement of hemodynamic status will likely take an involved education process as it often involves a change in clinical or surgical management. While there is not a clear leader in these markets, the following companies compete most directly with Cardiosonix: Transonic Systems, Inc., Medi-Stim AS, and Carolina Medical, Inc.

Patents and Proprietary Rights

We regard the establishment of a strong intellectual property position in our technology as an integral part of the development process. We attempt to protect our proprietary technologies through patents and intellectual property positions, in the United States as well as major foreign markets. Specifically, twenty instrument patents have been issued in the United Sates as well as major foreign markets protect our ILM technology.

Cardiosonix has also applied for patent coverage for the key elements of its Doppler blood flow technology in the EU and the U.S. The first of the two patents covering Cardiosonix technology was issued in the U.S. in January 2003 and claims for the second patent have been allowed. Two patents have been filed in the EU and the claims of one patent have been allowed and the claims of the second patent are in the late stage of review by the relevant governing bodies.

Lymphoseek is also the subject of patent applications in the United States and certain major foreign markets. The patent applications are held by UCSD and licensed exclusively to Neoprobe for lymphatic tissue imaging and detection. The first composition of matter patent covering **Lymphoseek** was issued in the U.S. in June 2002. The claims of the composition of matter patent covering **Lymphoseek** have been allowed in the EU and issued in the majority of EU countries in 2005. The composition of matter patent is being prosecuted in Japan.

We continue to maintain proprietary protection for the products related to **RIGS** and ACT in major global markets such as the U.S. and the EU, which although not currently integral to our near-term business plans, may be important to a potential **RIGS** or ACT development partner. The original methodology aspects of our **RIGS** technology are claimed in the United States in U.S. Patent No. 4,782,840, which expired in August 2005. However, Neoprobe has recently gained access to additional methodology applications related to our **RIGS** technology that are covered by patents that provide additional patent coverage through 2018, unless extended. In addition to the **RIGS** methodology patents, composition of matter patents have been issued in the U.S. and EU that cover the antibodies used in clinical studies. The most recent of these patents issued in 2004 and additional patent applications are pending.

The activated cellular therapy technology of Cira Bio is the subject of issued patents in the United States to which Neoprobe has exclusive license rights. European patent statutes do not permit patent coverage for treatment technologies such as Cira Bio's. The oncology applications of Cira Bio's treatment approach are covered by patents with expiration dates of 2018 and 2020, unless extended. The autoimmune applications are covered by an issued patent with an expiration date of 2018, unless extended. The viral applications are the subject of patent applications and other aspects of the Cira Bio technology that are in the process of being reviewed by the United States Patent and Trademark Office. Cira Bio has received favorable office action correspondence on both applications.

The patent position of biotechnology and medical device firms, including our company, generally is highly uncertain and may involve complex legal and factual questions. Potential competitors may have filed applications for, or may have been issued patents, or may obtain additional patents and proprietary rights relating to products or processes in the same area of technology as that used by our company. The scope and validity of these patents and applications, the extent to which we may be required to obtain licenses thereunder or under other proprietary rights, and the cost and availability of licenses are uncertain. We cannot assure you that our patent applications will result in additional patents being issued or that any of our patents will afford protection against competitors with similar technology; nor can we assure you that any of our patents will not be designed around by others or that others will not obtain patents that we would need to license or design around. See Risk Factors.

We also rely upon unpatented trade secrets. We cannot assure you that others will not independently develop substantially equivalent proprietary information and techniques, or otherwise gain access to our trade secrets, or disclose such technology, or that we can meaningfully protect our rights to our unpatented trade secrets.

We require our employees, consultants, advisers, and suppliers to execute a confidentiality agreement upon the commencement of an employment, consulting or manufacturing relationship with us. The agreement provides that all confidential information developed by or made known to the individual during the course of the relationship will be kept confidential and not disclosed to third parties except in specified circumstances. In the case of employees, the agreements provide that all inventions conceived by the individual will be the exclusive property of our company. We cannot assure you, however, that these agreements will provide meaningful protection for our trade secrets in the event of an unauthorized use or disclosure of such information.

Government Regulation

Most aspects of our business are subject to some degree of government regulation in the countries in which we conduct our operations. As a developer, manufacturer and marketer of medical products, we are subject to extensive regulation by, among other governmental entities, FDA and the corresponding state, local and foreign regulatory bodies in jurisdictions in which our products are sold. These regulations govern the introduction of new products, the observance of certain standards with respect to the manufacture, safety, efficacy and labeling of such products, the maintenance of certain records, the tracking of such products and other matters.

Failure to comply with applicable federal, state, local or foreign laws or regulations could subject us to enforcement action, including product seizures, recalls, withdrawal of marketing clearances, and civil and criminal penalties, any one or more of which could have a material adverse effect on our business. We believe that we are in substantial compliance with such governmental regulations. However, federal, state, local and foreign laws and regulations regarding the manufacture and sale of medical devices are subject to future changes. We cannot assure you that such changes will not have a material adverse effect on our company.

For some products, and in some countries, government regulation is significant and, in general, there is a trend toward more stringent regulation. In recent years, FDA and certain foreign regulatory bodies have pursued a more rigorous enforcement program to ensure that regulated businesses, like ours, comply with applicable laws and regulations. We devote significant time, effort and expense addressing the extensive governmental regulatory requirements applicable to our business. To date, we have not received any notifications or warning letters from FDA or any other regulatory bodies of alleged deficiencies in our compliance with the relevant requirements, nor have we recalled or issued safety alerts on any of our products. However, we cannot assure you that a warning letter, recall or safety alert, if it occurred, would not have a material adverse effect on our company.

In the early to mid 1990s, the review time by FDA to clear medical products for commercial release lengthened and the number of marketing clearances decreased. In response to public and congressional concern, FDA Modernization Act of 1997 (the 1997 Act) was adopted with the intent of bringing better definition to the clearance process for new medical products. While FDA review times have improved since passage of the 1997 Act, we cannot assure you that FDA review process will not continue to delay our company's introduction of new products in the U.S. in the future. In addition, many foreign countries have adopted more stringent regulatory requirements that also have added to the delays and uncertainties associated with the release of new products, as well as the clinical and regulatory costs of supporting such releases. It is possible that delays in receipt of, or failure to receive, any necessary clearance for our new product offerings could have a material adverse effect on our business, financial condition or results of operations.

While we are unable to predict the extent to which our business may be affected by future regulatory developments, we believe that our substantial experience dealing with governmental regulatory requirements and restrictions on our operations throughout the world, and our development of new and improved products, should enable us to compete effectively within this environment.

Gamma Detection and Blood Flow Measurement Devices

As a manufacturer of medical devices sold in various global markets, we are required to manufacture the devices under quality system regulations (QSR) and maintain appropriate technical files and quality records. Our medical devices are regulated in the United States by FDA. Our medical devices are regulated in the EU according to the Medical Device Directive (93/42/EEC). Under this regulation, we must obtain CE Mark status for all products exported to the EU.

Our initial generation gamma detection instruments received 510(k) marketing clearance from FDA in December 1986 with modified versions receiving similar clearances in 1992 through 1997. In 1998, FDA reclassified "nuclear uptake detectors" as being exempt from the 510(k) process. We believe the **neo2000** device is exempt from the 510(k) process because it is substantially equivalent to previously cleared predecessor devices. We obtained the CE Mark for the **neo2000** device in January 1999, and therefore, must continue to manufacture the devices under a quality system compliant to the requirements of ISO 9001/EN 46001 and maintain appropriate technical files. We maintain a license to import our gamma devices into Canada, and therefore must continue to manufacture the devices under a quality system compliant to the requirements of ISO 13485 and relevant Canadian regulations.

Cardiosonix has received 510(k) and CE mark clearance to market the **Quantix/ND** device in the U.S. and EU for non-invasive applications. The **Quantix/OR** has also received CE Mark clearance to market in the EU and 510(k) clearance to market in the U.S. Our distribution partners in certain foreign markets other than the EU are seeking marketing clearances, as required, for both the **Quantix/ND** and **Quantix/OR**.

Gamma Detection Radiopharmaceuticals (Lymphoseek and RIGScan)

Our radiolabeled targeting agents and biologic products, if developed, would require a regulatory license to market by FDA and by comparable agencies in foreign countries. The process of obtaining regulatory licenses and approvals is costly and time consuming, and we have encountered significant impediments and delays related to our previously proposed biologic products.

The process of completing pre-clinical and clinical testing, manufacturing validation and submission of a marketing application to the appropriate regulatory bodies usually takes a number of years and requires the expenditure of substantial resources, and we cannot assure you that any approval will be granted on a timely basis, if at all. Additionally, the length of time it takes for the various regulatory bodies to evaluate an application for marketing approval varies considerably, as does the amount of preclinical and clinical data required to demonstrate the safety and efficacy of a specific product. The regulatory bodies may require additional clinical studies that may take several years to perform. The length of the review period may vary widely depending upon the nature and indications of the proposed product and whether the regulatory body has any further questions or requests any additional data. Also, the regulatory bodies will likely require post-marketing reporting and surveillance programs to monitor the side effects of the products. We cannot assure you that any of our potential drug or biologic products will be approved by the regulatory bodies or approved on a timely or accelerated basis, or that any approvals received will not subsequently be revoked or modified.

In addition to regulations enforced by FDA, the manufacture, distribution, and use of radioactive targeting agents, if developed, are also subject to regulation by the Nuclear Regulatory Commission (NRC), the Department of Transportation and other federal, state, and local government authorities. We, or our manufacturer of the radiolabeled antibodies, must obtain a specific license from the NRC to manufacture and distribute radiolabeled antibodies, as well as comply with all applicable regulations. We must also comply with Department of Transportation regulations on the labeling and packaging requirements for shipment of radiolabeled antibodies to licensed clinics, and must comply with federal, state, and local governmental laws regarding the disposal of radioactive waste. We cannot assure you that we will be able to obtain all necessary licenses and permits and be able to comply with all applicable laws. The failure to obtain such licenses and permits or to comply with applicable laws would have a materially adverse effect on our business, financial condition, and results of operations.

Employees

As of December 1, 2006, we had 20 full-time employees. We consider our relations with our employees to be good.

DESCRIPTION OF PROPERTY

We currently lease approximately 11,300 square feet of office space at 425 Metro Place North, Dublin, Ohio, as our principal offices. The current lease term is from February 1, 2005 and ending on January 31, 2008, at a monthly base rent of approximately $8,300 during 2006. We must also pay a pro-rata portion of the operating expenses and real estate taxes of the building. We believe these facilities are in good condition, but that we may need to expand our leased space related to our radiopharmaceutical activities depending on the level of activities performed internally versus by third parties.

OUR MANAGEMENT

Directors, Executive Officers, Promoters and Control Persons

Directors

The following directors' terms continue until the 2007 Annual Meeting:

Reuven Avital, age 55, has served as a director of our Company since January 2002. Mr. Avital is a partner and general manager of Ma'Aragim Enterprises Ltd., an investment company in Israel, and he is a member of the board of Neoprobe as well as a number of privately-held Israeli companies, three of them in the medical device field. Mr. Avital was a board member of Cardiosonix, Ltd. from April 2001 through December 31, 2001, when we acquired the company. Previously, Mr. Avital served in the Israeli government in a variety of middle and senior management positions. He is also chairman or board member in several not-for-profit organizations, mainly involved in education for the under-privileged and international peace-building. Mr. Avital has B.A. degrees in The History of the Middle East and International Relations from the Hebrew University of Jerusalem, and a M.P.A. from the Kennedy School of Government at Harvard University.

David C. Bupp, age 57, has served as President and a director of our Company since August 1992 and as Chief Executive Officer since February 1998. From August 1992 to May 1993, Mr. Bupp served as our Treasurer. In addition to the foregoing positions, from December 1991 to August 1992, he was Acting President, Executive Vice President, Chief Operating Officer and Treasurer, and from December 1989 to December 1991, he was Vice President, Finance and Chief Financial Officer. From 1982 to December 1989, Mr. Bupp was Senior Vice President, Regional Manager for AmeriTrust Company National Association, a nationally chartered bank holding company, where he was in charge of commercial banking operations throughout Central Ohio. Mr. Bupp has a B.A. degree in Economics from Ohio Wesleyan University. Mr. Bupp also completed a course of study at Stonier Graduate School of Banking at Rutgers University.

Julius R. Krevans, M.D., age 82, has served as a director of our Company since May 1994 and as Chairman of the Board of Directors of our Company since February 1999. Dr. Krevans served as Chancellor of the University of California, San Francisco from July 1982 until May 1993. Prior to his appointment as Chancellor, Dr. Krevans served as a Professor of Medicine and Dean of the School of Medicine at the University of California, San Francisco from 1971 to 1982. Dr. Krevans is a member of the Institute of Medicine, National Academy of Sciences, and led its committee for the National Research Agenda on Aging until 1991. Dr. Krevans also serves on the Board of Directors and the compensation committee of the Board of Directors of Calypte Biomedical Corporation (Calypte), a publicly held corporation. Dr. Krevans has a B.S. degree and a M.D. degree, both from New York University.

The following directors' terms continue until the 2008 Annual Meeting:

Carl J. Aschinger, Jr., age 67, has served as a director of our Company since June 2004. Mr. Aschinger is the Chairman and Chief Executive Officer of Columbus Show Case Co., a privately-held company that manufactures showcases for the retail industry. Mr. Aschinger also serves on the Board of Directors and as Chairman of the Audit Committee of Pinnacle Data Systems, a publicly-traded company that provides software and hardware solutions to original equipment manufacturers. Mr. Aschinger also serves on the Board of Directors and as Chairman of the Audit Committee of Wilson-Bohannon, a privately-held company that manufactures padlocks. Mr. Aschinger is a former director of Liqui-Box Corporation and Huntington National Bank as well as other privately-held ventures and has served on boards or advisory committees of several not-for-profit organizations.

Fred B. Miller, age 67, has served as a director of our Company since January 2002. Mr. Miller serves as Chairman of the Audit Committee. Mr. Miller is the President and Chief Operating Officer of Seicon, Limited, a privately held company that specializes in developing, applying and licensing technology to reduce seismic and mechanically induced vibration. Mr. Miller also serves on the board of one other privately-held company. Until his retirement in 1995, Mr. Miller had been with Price Waterhouse LLP since 1962. Mr. Miller is a Certified Public Accountant, a member of the American Institute of Certified Public Accountants (AICPA), a past member of the Council of the AICPA and a member and past president of the Ohio Society of Certified Public Accountants. He also has served on the boards or advisory committees of several universities and not-for-profit organizations. Mr. Miller has a B.S. degree in Accounting from the Ohio State University.

The following directors' terms continue until the 2009 Annual Meeting:

Kirby I. Bland, M.D., age 64, has served as a director of our Company since May 2004. Dr. Bland currently serves as Professor and Chairman and Fay Fletcher Kerner Professor and Chairman, Department of Surgery of the University of Alabama at Birmingham (UAB) School of Medicine since 1999 and 2002, respectively, Deputy Director of the UAB Comprehensive Cancer Center since 2000 and Senior Scientist, Division of Human Gene Therapy, UAB School of Medicine since 2001. Prior to his appointments at UAB, Dr. Bland was J. Murry Breadsley Professor and Chairman, Professor of Medical Science, Department of Surgery and Director, Brown University Integrated Program in Surgery at Brown University School of Medicine from 1993 to 1999. Prior to his appointments at Brown University, Dr. Bland was Professor and Associate Chairman, Department of Surgery, University of Florida College of Medicine from 1983 to 1993 and Associate Director of Clinical Research at the University of Florida Cancer Center from 1991 to 1993. Dr. Bland held a number of medical staff positions at the University of Louisville, School of Medicine from 1977 to 1983 and at M. D. Anderson Hospital and Tumor Institute from 1976 to 1977. Dr. Bland is a member of the Board of Governors of the American College of Surgeons (ACS), a member of the ACS' Advisory Committee, Oncology Group (ACOSOG), a member of the ACS' American Joint Committee on Cancer Task Force and serves as Chairman of the ACS' Breast Disease Site Committee, COC. Dr. Bland is a past President of the Society of Surgical Oncology. Dr. Bland received his B.S. in Chemistry/Biology from Auburn University and a M.D. degree from the University of Alabama, Medical College of Alabama.

J. Frank Whitley, Jr., age 64, has served as a director of our Company since May 1994. Mr. Whitley was Director of Mergers, Acquisitions and Licensing at The Dow Chemical Company (Dow), a multinational chemical company, from June 1993 until his retirement in June 1997. After joining Dow in 1965, Mr. Whitley served in a variety of marketing, financial, and business management functions. Mr. Whitley has a B.S. degree in Mathematics from Lamar State College of Technology.

Executive Officers

In addition to Mr. Bupp, the following individuals are executive officers of our Company and serve in the position(s) indicated below:

Name	Age	Position
Anthony K. Blair	46	Vice President, Manufacturing Operations
Carl M. Bosch	50	Vice President, Research and Development
Rodger A. Brown	56	Vice President, Regulatory Affairs and Quality Assurance
Brent L. Larson	43	Vice President, Finance; Chief Financial Officer; Treasurer and Secretary
Douglas L. Rash	63	Vice President, Marketing

Anthony K. Blair has served as Vice President, Manufacturing Operations of our Company since July 2004. Prior to joining our Company, he served as Vice President, Manufacturing Operations of Enpath Medical, Lead Technologies Division, formerly known as Biomec Cardiovascular, Inc. from 2002 to June 2004. From 1998 through 2001, Mr. Blair led the manufacturing efforts at Astro Instrumentation, a medical device contract manufacturer. From 1989 to 1998 at Ciba Corning Diagnostics (now Bayer), Mr. Blair held managerial positions including Operations Manager, Materials Manager, Purchasing Manager and Production Supervisor. From 1985 to 1989, Mr. Blair was employed by Bailey Controls and held various positions in purchasing and industrial engineering. Mr. Blair started his career at Fisher Body, a division of General Motors, in production supervision. Mr. Blair has a B.B.A. degree in management and labor relations from Cleveland State University.

Carl M. Bosch has served as Vice President, Research and Development of our Company since March 2000. Prior to that, Mr. Bosch served as our Director, Instrument Development from May 1998 to March 2000. Before joining our Company, Mr. Bosch was employed by GE Medical Systems from 1994 to 1998 where he served as Manager, Nuclear Programs. From 1977 to 1994, Mr. Bosch was employed by GE Aerospace in several engineering and management functions. Mr. Bosch has a B.S. degree in Electrical Engineering from Lehigh University and a M.S. degree in Systems Engineering from the University of Pennsylvania.

Rodger A. Brown has served as Vice President, Regulatory Affairs and Quality Assurance of our Company since November 2000. From July 1998 through November 2000, Mr. Brown served as our Director, Regulatory Affairs and Quality Assurance. Prior to joining our Company, Mr. Brown served as Director of Operations for Biocore Medical Technologies, Inc. from April 1997 to April 1998. From 1981 through 1996, Mr. Brown served as Director, Regulatory Affairs/Quality Assurance for E for M Corporation, a subsidiary of Marquette Electronics, Inc.

Brent L. Larson has served as Vice President, Finance and Chief Financial Officer of our Company since February 1999. Prior to that, he served as our Vice President, Finance from July 1998 to January 1999 and as Controller from July 1996 to June 1998. Before joining our Company, Mr. Larson was employed by Price Waterhouse LLP. Mr. Larson has a B.B.A. degree in accounting from Iowa State University of Science and Technology and is a Certified Public Accountant.

Douglas L. Rash has served as Vice President, Marketing of our Company since January 2005. Prior to that, Mr. Rash was Neoprobe's Director, Marketing and Product Management from March to December 2004. Before joining our Company, Mr. Rash served as Vice President and General Manager of MTRE North America, Inc. from 2000 to 2003. From 1994 to 2000, Mr. Rash served as Vice President and General Manager (Medical Division) of Cincinnati Sub-Zero, Inc. From 1993 to 1994, Mr. Rash was Executive Vice President of Everest & Jennings International, Ltd. During his nine-year career at Gaymar Industries, Inc. from 1984 to 1993, Mr. Rash held positions as Vice President and General Manager (Clinicare Division) and Vice President, Marketing and Sales (Acute Care Division). From 1976 to 1984, Mr. Rash held management positions at various divisions of British Oxygen Corp. Mr. Rash has a B.S. degree in Business Administration with a minor in Chemistry from Wisconsin State University.

Family Relationships

There are no family relationships among the directors and executive officers of the Company.

Code of Conduct and Ethics

We have adopted a code of conduct and ethics that applies to our directors, officers and all employees. The code of conduct and ethics is posted on our website at www.neoprobe.com. The code of business conduct and ethics may be also obtained free of charge by writing to Neoprobe Corporation, Attn: Chief Financial Officer, 425 Metro Place North, Suite 300, Dublin, Ohio 43017.

Executive Compensation

Summary Compensation Table

The following table sets forth certain information concerning the annual and long-term compensation of our Chief Executive Officer and our other four highest paid executive officers having annual compensation in excess of $100,000 during the last fiscal year (the Named Executives) for the last three completed fiscal years.

		Annual Compensation			Long Term Compensation Awards	
					Restricted Stock Awards	Securities Underlying Options
Name and Principal Position	Year	Salary	Bonus (e)	Other	($)	(#)
Anthony K. Blair	2005	$ 115,000	$ 1,875	$ 2,204(a)	-	30,000
Vice President,	2004	55,000	-	-	-	90,000
Manufacturing Operations	2003	-	-	-	-	-
Carl M. Bosch	2005	$ 149,000	$ 7,500	$ 2,980(b)	-	40,000
Vice President,	2004	138,375	6,000	2,887(b)	-	170,000
Research and Development	2003	135,125	-	6,573(b)	-	70,000
Rodger A. Brown	2005	$ 124,000	$ 1,875	$ -	-	20,000
Vice President, Regulatory Affairs/	2004	117,300	2,500	-	-	160,000
Quality Assurance	2003	125,316	-	-	-	70,000
David C. Bupp	2005	$ 290,000	$ 45,000	$ 5,744(c)	-	200,000
President and	2004	271,250	15,000	5,770(c)	-	500,000
Chief Executive Officer	2003	222,167	32,500	32,566(c)	-	170,000
Brent L. Larson	2005	$ 149,000	$ 7,500	$ 2,986(d)	-	40,000
Vice President, Finance and	2004	137,700	6,000	2,874(d)	-	170,000
Chief Financial Officer	2003	135,125	-	11,733(d)	-	70,000

(a) Amount represents solely matching contribution under the Neoprobe Corporation 401(k) Plan (the Plan). Eligible employees may make voluntary contributions and we may, but are not obligated to, make matching contributions based on 40 percent of the employee's contribution, up to five percent of the employee's salary. Employee contributions are invested in mutual funds administered by an independent plan administrator. Company contributions, if any, are made in the form of shares of common stock. The Plan is intended to qualify under section 401 of the Internal Revenue Code, which provides that employee and company contributions and income earned on contributions are not taxable to the employee until withdrawn from the Plan, and that we may deduct our contributions when made.

(b) Amounts represent solely matching contribution under the Plan, except for 2003, which includes $3,870 related to the vesting of restricted stock.

(c) Amounts represent matching contribution under the Plan and social luncheon club dues, except for 2003, which includes $27,090 related to the vesting of restricted stock.

(d) Amounts represent solely matching contribution under the Plan, except for 2003, which includes $9,030 related to the vesting of restricted stock.

(e) Bonuses, if any, have been disclosed for the year in which they were earned (i.e., to year to which the service relates).

Option Grants in Last Fiscal Year

The following table presents certain information concerning stock options granted to the Named Executives under the 2002 Stock Incentive Plan during the 2005 fiscal year.

	Individual Grants				
Name	**Number of Securities Underlying Options Granted (shares)**	**Percent of Total Options Granted to Employees in Fiscal Year**		**Exercise Price Per Share**	**Expiration Date[c]**
Anthony K. Blair	30,000[a]	6%	$	0.26[b]	12/27/2015
Carl M. Bosch	40,000[a]	8%	$	0.26[b]	12/27/2015
Rodger A. Brown	20,000[a]	4%	$	0.26[b]	12/27/2015
David C. Bupp	200,000[a]	41%	$	0.26[b]	12/27/2015
Brent L. Larson	40,000[a]	8%	$	0.26[b]	12/27/2015

(a) Vests as to one-third of these shares immediately and on each of the first two anniversaries of the date of grant.

(b) The per share weighted average fair value of these stock options during 2005 was $0.22 on the date of grant using the Black-Scholes option pricing model with the following assumptions: an expected life of 10 years, an average risk-free interest rate of 4.3%, volatility of 79% and no expected dividend rate.

(c) The options terminate on the earlier of the expiration date, nine months after death or disability, 90 days after termination of employment without cause or by resignation, or immediately upon termination of employment for cause.

Fiscal Year-End Option Numbers and Values

The following table sets forth certain information concerning the number and value of unexercised options held by the Named Executives at the end of the last completed fiscal year (December 31, 2005). There were no stock options exercised by the Named Executives during the fiscal year ended December 31, 2005.

Name	**Number of Securities Underlying Unexercised Options at Fiscal Year-End: Exercisable/Unexercisable**	**Value of Unexercised In-the-Money Options at Fiscal Year-End: Exercisable/Unexercisable[1]**
Anthony K. Blair	40,021 / 79,979	$0 / $0
Carl M. Bosch	286,695 / 163,305	$5,333 / $2,667
Rodger A. Brown	271,182 / 143,318	$5,333 / $2,667
David C. Bupp	886,801 / 523,199	$12,933 / $6,467
Brent L. Larson	343,895 / 163,305	$5,333 / $2,667

(1) Represents the total gain which would be realized if all in-the-money options held at year end were exercised, determined by multiplying the number of shares underlying the options by the difference between the per share option exercise price and the per share fair market value at year end of $0.25. An option is in-the-money if the fair market value of the underlying shares exceeds the exercise price of the option.

Compensation of Non-Employee Directors

We paid non-employee directors a quarterly retainer of $2,500 for participation in board or committee meetings during the fiscal year ended December 31, 2005. We also reimbursed non-employee directors for travel expenses for meetings attended during 2005. In addition, each non-employee director received 70,000 options to purchase common stock as a part of our annual stock incentive grants, and the Chairman of the Board and the Chairman of the Audit Committee each received an additional 20,000 options for their services in those capacities. Options granted to purchase common stock vest on the first anniversary of the date of grant and have an exercise price equal to not less than the closing market price of common stock at the date of grant.

Directors who are also officers or employees of Neoprobe do not receive any compensation for their services as directors.

Compensation of Mr. Bupp

Employment Agreement. David C. Bupp is employed under a thirty-six month employment agreement effective January 1, 2004. The employment agreement provides for an annual base salary of $271,250.Effective January 1, 2005, Mr. Bupp's annual base salary was increased to $290,000. Effective January 1, 2006, Mr. Bupp's annual base salary was increased to $305,000. The Board of Directors will, on an annual basis, review the performance of our company and of Mr. Bupp and may pay a bonus to Mr. Bupp as it deems appropriate, in its discretion. Such review and bonus will be consistent with any bonus plan adopted by the Compensation Committee that covers the executive officers of our company generally.

If a change in control occurs with respect to our company and the employment of Mr. Bupp is concurrently or subsequently terminated:

- by our company without cause (cause is defined as any willful breach of a material duty by Mr. Bupp in the course of his employment or willful and continued neglect of his duty as an employee);
- the term of Mr. Bupp's employment agreement expires; or
- Mr. Bupp resigns because his authority, responsibilities or compensation have materially diminished, a material change occurs in his working conditions or we breach the agreement;

then, Mr. Bupp will be paid a severance payment of $650,000 (less amounts paid as Mr. Bupp's salary and benefits that continue for the remaining term of the agreement if his employment is terminated without cause). If any such termination occurs after the substantial completion of the liquidation of our assets, the severance payment shall be increased by $81,250.

For purposes of Mr. Bupp's employment agreement, a change in control includes:

- the acquisition, directly or indirectly, by a person (other than our company or an employee benefit plan established by the Board of Directors) of beneficial ownership of 15 percent or more of our securities with voting power in the next meeting of holders of voting securities to elect the directors;
- a majority of the directors elected at any meeting of the holders of our voting securities are persons who were not nominated by our then current Board of Directors or an authorized committee thereof;

- our stockholders approve a merger or consolidation of our company with another person, other than a merger or consolidation in which the holders of our voting securities outstanding immediately before such merger or consolidation continue to hold voting securities in the surviving or resulting corporation (in the same relative proportions to each other as existed before such event) comprising eighty percent (80%) or more of the voting power for all purposes of the surviving or resulting corporation; or

- our stockholders approve a transfer of substantially all of our assets to another person other than a transfer to a transferee, eighty percent (80%) or more of the voting power of which is owned or controlled by us or by the holders of our voting securities outstanding immediately before such transfer in the same relative proportions to each other as existed before such event.

Mr. Bupp will be paid a severance amount of $406,250 if his employment is terminated at the end of his employment agreement or without cause and his benefits will continue for the longer of twenty-four months or the full term of the agreement.

Compensation Agreements With Other Named Executives

Our Executive Officers are employed under employment agreements of varying terms as outlined below. In addition, the Compensation Committee of the Board of Directors will, on an annual basis, review the performance of our company and may pay bonuses to our executives as the Compensation Committee deems appropriate, in its discretion. Such review and bonus will be consistent with any bonus plan adopted by the Compensation Committee that covers Mr. Bupp as well as the executive officers of our company generally.

Anthony K. Blair

Employment Agreement. Anthony Blair is employed under a twelve month employment agreement effective January 1, 2006. The employment agreement provides for an annual base salary of $122,000.

The Compensation Committee will, on an annual basis, review the performance of our company and of Mr. Blair and we may pay a bonus to Mr. Blair as we deem appropriate, in our discretion. Such review and bonus will be consistent with any bonus plan adopted by the Compensation Committee that covers the executive officers of our company generally.

If a change in control occurs with respect to our company and the employment of Mr. Blair is concurrently or subsequently terminated:

- without cause (cause is defined as any willful breach of a material duty by Mr. Blair in the course of his employment or willful and continued neglect of his duty as an employee);

- the term of Mr. Blair's employment agreement expires; or

- Mr. Blair resigns because his authority, responsibilities or compensation have materially diminished, a material change occurs in his working conditions or we breach the agreement;

then, Mr. Blair will be paid a severance payment of $122,000 and will continue his benefits for the longer of twelve months or the remaining term of his employment agreement.

For purposes of Mr. Blair's employment agreement, a change in control includes:

- the acquisition, directly or indirectly, by a person (other than our company or an employee benefit plan established by the Board of Directors) of beneficial ownership of 30 percent or more of our securities with voting power in the next meeting of holders of voting securities to elect the directors;

- a majority of the directors elected at any meeting of the holders of our voting securities are persons who were not nominated by our then current Board of Directors or an authorized committee thereof;

- our stockholders approve a merger or consolidation of our company with another person, other than a merger or consolidation in which the holders of our voting securities outstanding immediately before such merger or consolidation continue to hold voting securities in the surviving or resulting corporation (in the same relative proportions to each other as existed before such event) comprising eighty percent (80%) or more of the voting power for all purposes of the surviving or resulting corporation; or

- our stockholders approve a transfer of substantially all of the assets of our company to another person other than a transfer to a transferee, eighty percent (80%) or more of the voting power of which is owned or controlled by us or by the holders of our voting securities outstanding immediately before such transfer in the same relative proportions to each other as existed before such event.

Mr. Blair will be paid a severance amount of $61,000 if his employment is terminated at the end of his employment agreement or without cause, and his benefits will be continued for up to twelve months.

Carl M. Bosch

Employment Agreement. Carl Bosch is employed under a twenty-four month employment agreement effective January 1, 2005. The employment agreement provides for an annual base salary of $149,000. Effective January 1, 2006, Mr. Bosch's annual base salary was increased to $160,000.

The terms of Mr. Bosch's employment agreement are substantially identical to Mr. Blair's employment agreement except that Mr. Bosch would be paid $298,000 if terminated due to a change of control and $149,000 if terminated at the end of his employment or without cause.

The Compensation Committee will, on an annual basis, review the performance of our company and of Mr. Bosch and we may pay a bonus to Mr. Bosch as we deem appropriate, in our discretion. Such review and bonus will be consistent with any bonus plan adopted by the Compensation Committee that covers the executive officers of our company generally.

Rodger A. Brown

Employment Agreement. Rodger Brown is employed under a twenty-four month employment agreement effective January 1, 2005. The employment agreement provides for an annual base salary of $124,000. Effective January 1, 2006, Mr. Brown's annual base salary was increased to $129,000.

The terms of Mr. Brown's employment agreement are substantially identical to Mr. Blair's employment agreement except that Mr. Brown would be paid $248,000 if terminated due to a change of control and $124,000 if terminated at the end of his employment or without cause.

The Compensation Committee will, on an annual basis, review the performance of our company and of Mr. Brown and we may pay a bonus to Mr. Brown as we deem appropriate, in our discretion. Such review and bonus will be consistent with any bonus plan adopted by the Compensation Committee that covers the executive officers of our company generally.

Brent L. Larson

Employment Agreement. Brent Larson is employed under a twenty-four month employment agreement effective January 1, 2005. The employment agreement provides for an annual base salary of $149,000. Effective January 1, 2006, Mr. Larson's annual base salary was increased to $160,000.

The terms of Mr. Larson's employment agreement are substantially identical to Mr. Blair's employment agreement except that Mr. Larson would be paid $298,000 if terminated due to a change of control and $149,000 if terminated at the end of his employment or without cause.

The Compensation Committee will, on an annual basis, review the performance of our company and of Mr. Larson and we may pay a bonus to Mr. Larson as we deem appropriate, in our discretion. Such review and bonus will be consistent with any bonus plan adopted by the Compensation Committee that covers the executive officers of our company generally.

SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT

Security Ownership of Principal Stockholders, Directors, Nominees and Executive Officers

The following table sets forth, as of December 7, 2006, certain information with respect to the beneficial ownership of shares of our common stock by: (i) each person known to us to be the beneficial owner of more than 5 percent of our outstanding shares of common stock, (ii) each director or nominee for director of our Company, (iii) each of the Named Executives (see "Executive Compensation - Summary Compensation Table"), and (iv) our directors and executive officers as a group.

Beneficial Owner	Number of Shares Beneficially Owned (*)		Percent of Class (**)
Carl J. Aschinger, Jr.	174,000	(a)	(o)
Reuven Avital	294,256	(b)	(o)
Anthony K. Blair	135,622	(c)	(o)
Kirby I. Bland	140,000	(d)	(o)
Carl M. Bosch	495,118	(e)	(o)
Rodger A. Brown	378,833	(f)	(o)
David C. Bupp	3,041,178	(g)	4.9%
Julius R. Krevans	392,000	(h)	(o)
Brent L. Larson	612,646	(i)	(o)
Fred B. Miller	266,000	(j)	(o)
Douglas L. Rash	76,601	(k)	(o)
J. Frank Whitley, Jr.	246,000	(l)	(o)
All directors and officers as a group (12 persons)	6,252,254	(m)(p)	9.6%
Great Point Partners, L.P. 2 Pickwick Plaza, Suite 450 Greenwich, CT 06830	30,000,000	(n)	33.6%

(*) Beneficial ownership is determined in accordance with the rules of the Securities and Exchange Commission which generally attribute beneficial ownership of securities to persons who possess sole or shared voting power and/or investment power with respect to those securities. Unless otherwise indicated, voting and investment power are exercised solely by the person named above or shared with members of such person's household.

(**) Percent of class is calculated on the basis of the number of shares outstanding on December 7, 2006, plus the number of shares the person has the right to acquire within 60 days of December 7, 2006.

(a) This amount includes 80,000 shares issuable upon exercise of options which are exercisable within 60 days.

(b) This amount consists of 139,256 shares of our common stock owned by Mittai Investments Ltd. (Mittai), an investment fund under the management and control of Mr. Avital and 155,000 shares issuable upon exercise of options which are exercisable within 60 days. The shares held by Mittai were obtained through a distribution of 2,785,123 shares previously held by Ma'Aragim Enterprise Ltd. (Ma'Aragim), another investment fund under the management and control of Mr. Avital. On February 28, 2005, Ma'Aragim distributed its shares to the partners in the fund. Mr. Avital is not an affiliate of the other fund to which the remaining 2,645,867 shares were distributed. Of the 2,785,123 shares previously held by Ma'Aragim, 2,286,712 were acquired in exchange for surrendering its shares in Cardiosonix Ltd. on December 31, 2001, in connection with our acquisition of Cardiosonix, and 498,411 were acquired by Ma'Aragim based on the satisfaction of certain developmental milestones on December 30, 2002, associated with our acquisition of Cardiosonix.

(c) This amount includes 80,000 shares issuable upon exercise of options which are exercisable within 60 days and 5,622 shares in Mr. Blair's account in the 401(k) Plan, but does not include 40,000 shares issuable upon exercise of options which are not exercisable within 60 days.

(d) This amount includes 140,000 shares issuable upon exercise of options which are exercisable within 60 days.

(e) This amount includes 403,333 shares issuable upon exercise of options which are exercisable within 60 days and 51,785 shares in Mr. Bosch's account in the 401(k) Plan, but does not include 46,667 shares issuable upon exercise of options which are not exercisable within 60 days.

(f) This amount includes 378,833 shares issuable upon exercise of options which are exercisable within 60 days, but does not include 35,667 shares issuable upon exercise of options which are not exercisable within 60 days.

(g) This amount includes 1,226,667 shares issuable upon exercise of options which are exercisable within 60 days, 875,000 warrants which are exercisable within 60 days, a promissory note convertible into 250,000 shares of our common stock, 175,511 shares that are held by Mr. Bupp's wife for which he disclaims beneficial ownership and 75,500 shares in Mr. Bupp's account in the 401(k) Plan, but it does not include 183,333 shares issuable upon exercise of options which are not exercisable within 60 days.

(h) This amount includes 390,000 shares issuable upon exercise of options which are exercisable within 60 days.

(i) This amount includes 460,533 shares issuable upon exercise of options which are exercisable within 60 days and 52,113 shares in Mr. Larson's account in the 401(k) Plan, but it does not include 46,667 shares issuable upon exercise of options which are not exercisable within 60 days.

(j) This amount includes 215,000 shares issuable upon exercise of options which are exercisable within 60 days and 31,000 shares held by Mr. Miller's wife for which he disclaims beneficial ownership.

(k) This amount includes 73,333 shares issuable upon exercise of options which are exercisable within 60 days and 3,268 shares in Mr. Rash's account in the 401(k) Plan, but does not include 36,667 shares issuable upon exercise of options which are not exercisable within 60 days.

(l) This amount includes 245,000 shares issuable upon exercise of options which are exercisable within 60 days.

(m) This amount includes 3,877,699 shares issuable upon exercise of options which are exercisable within 60 days and 188,288 shares held in the 401(k) Plan on behalf of certain officers, but it does not include 389,001 shares issuable upon the exercise of options which are not exercisable within 60 days. The Company itself is the trustee of the Neoprobe 401(k) Plan and may, as such, share investment power over common stock held in such plan. The trustee disclaims any beneficial ownership of shares held by the 401(k) Plan. The 401(k) Plan holds an aggregate total of 345,868 shares of common stock.

(n) This amount includes 11,000,000 shares issuable upon conversion of promissory notes in the original principal amount of $4,400,000 held by Biomedical Value Fund, L.P. (BVF) that are convertible within 60 days, 9,000,000 shares issuable upon conversion of promissory notes in the original principal amount of $3,600,000 held by Biomedical Offshore Value Fund, Ltd. (BOVF) that are convertible within 60 days, 5,500,000 warrants held by BVF that are exercisable within 60 days and 4,500,000 warrants held by BOVF that are exercisable within 60 days. BVF and BOVF are investment funds managed by Great Point Partners, LLP.

(o) Less than one percent.

(p) The address of all directors and executive offices is c/o Neoprobe Corporation, 425 Metro Place North, Suite 300, Dublin, Ohio 43017-1367.

CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS

During April 2003, we completed a bridge loan agreement with our President and CEO, David Bupp. Under the terms of the agreement, Mr. Bupp advanced us $250,000. In consideration for the loan, we issued a note to Mr. Bupp in the principal amount of $250,000. The note was secured by general assets of the company, excluding accounts receivable. In addition, we issued Mr. Bupp 375,000 warrants to purchase our common stock at an exercise price of $0.13 per share, expiring in April 2008. The note bore interest at 8.5% per annum, payable monthly, and was originally due on June 30, 2004. On March 8, 2004, at the request of the Board of Directors, Mr. Bupp agreed to extend the due date of the note from June 30, 2004 to June 30, 2005. In exchange for extending the due date of the note, we issued Mr. Bupp an additional 375,000 warrants to purchase our common stock at an exercise price of $0.50 per share, expiring in March 2009. On December 13, 2004, we repaid the balance of the note to Mr. Bupp.

In December 2004, we completed a private placement of Convertible Promissory Notes in an aggregate principal amount of $8.1 million with Biomedical Value Fund, L.P., Biomedical Offshore Value Fund, Ltd. and David C. Bupp (our President and CEO). Biomedical Value Fund, L.P. and Biomedical Offshore Value Fund, Ltd. are funds managed by Great Point Partners, LLC. The notes originally bore interest at 8% per annum. In connection with the Amendment, dated November 30, 2006, to the original purchase agreement, we canceled the original notes and issued to the noteholders replacement notes with modified payment terms, the elimination of certain covenants, and which bear interest at 12% per annum. The notes are freely convertible into shares of our common stock at a price of $0.40 per share. Neoprobe may force conversion of the notes prior to their stated maturity under certain circumstances. As part of this transaction, we issued the investors 10,125,000 warrants to purchase our common stock at an exercise price of $0.46, expiring in December 2009. In connection with this financing, we also issued 1,600,000 warrants to purchase our common stock to the placement agents, containing substantially identical terms to the warrants issued to the investors.

DESCRIPTION OF CAPITAL STOCK

Authorized and Issued Stock

	Number of Shares at December 7, 2006		
Title of Class	Authorized	Outstanding	Reserved
Common Stock, $0.001 par value per share	150,000,000	59,410,046	55,304,849

Common Stock

Dividends

Each share of common stock is entitled to receive an equal dividend, if one is declared, which is unlikely. We have never paid dividends on our common stock and do not intend to do so in the foreseeable future. We intend to retain any future earnings to finance our growth. See Risk Factors.

Liquidation

If our company is liquidated, any assets that remain after the creditors are paid, and the owners of preferred stock receive any liquidation preferences, will be distributed to the owners of our common stock pro-rata.

Voting Rights

Each share of our common stock entitles the owner to one vote. There is no cumulative voting. A simple majority can elect all of the directors at a given meeting and the minority would not be able to elect any directors at that meeting.

Preemptive Rights

Owners of our common stock have no preemptive rights. We may sell shares of our common stock to third parties without first offering it to current stockholders.

Redemption Rights

We do not have the right to buy back shares of our common stock except in extraordinary transactions such as mergers and court approved bankruptcy reorganizations. Owners of our common stock do not ordinarily have the right to require us to buy their common stock. We do not have a sinking fund to provide assets for any buy back.

Conversion Rights

Shares of our common stock can not be converted into any other kind of stock except in extraordinary transactions, such as mergers and court approved bankruptcy reorganizations.

Anti-Takeover Charter Provisions and Laws

Some features of our certificate of incorporation and by-laws and the Delaware General Corporation Law (DGCL), which are further described below, may have the effect of deterring third parties from making takeover bids for control of our company or may be used to hinder or delay a takeover bid. This would decrease the chance that our stockholders would realize a premium over market price for their shares of common stock as a result of a takeover bid. See Risk Factors.

Limitations on Stockholder Actions

Our certificate of incorporation provides that stockholder action may only be taken at a meeting of the stockholders. Thus, an owner of a majority of the voting power could not take action to replace the board of directors, or any class of directors, without a meeting of the stockholders, nor could he amend the by-laws without presenting the amendment to a meeting of the stockholders. Furthermore, under the provisions of the certificate of incorporation and by-laws, only the board of directors has the power to call a special meeting of stockholders. Therefore, a stockholder, even one who owns a majority of the voting power, may neither replace sitting board of directors members nor amend the by-laws before the next annual meeting of stockholders.

Advance Notice Provisions

Our by-laws establish advance notice procedures for the nomination of candidates for election as directors by stockholders, as well as for other stockholder proposals to be considered at annual meetings. Generally, we must receive a notice of intent to nominate a director or raise any other matter at a stockholder meeting not less than 120 days before the first anniversary of the mailing of our proxy statement for the previous year's annual meeting. The notice must contain required information concerning the person to be nominated or the matters to be brought before the meeting and concerning the stockholder submitting the proposal.

Delaware Law

We are incorporated in Delaware, and as such are subject to Section 203 of the DGCL, which provides that a corporation may not engage in any business combination with an interested stockholder during the three years after he becomes an interested stockholder unless:

- the corporation's board of directors approved in advance either the business combination or the transaction which resulted in the stockholder becoming an interested stockholder;
- the interested stockholder owned at least 85 percent of the corporation's voting stock at the time the transaction commenced; or
- the business combination is approved by the corporation's board of directors and the affirmative vote of at least two-thirds of the voting stock which is not owned by the interested stockholder.

An interested stockholder is anyone who owns 15 percent or more of a corporation's voting stock, or who is an affiliate or associate of the corporation and was the owner of 15 percent or more of the corporation's voting stock at any time within the previous three years; and the affiliates and associates of any those persons. Section 203 of the DGCL makes it more difficult for an interested stockholder to implement various business combinations with our company for a three-year period, although our stockholders may vote to exclude it from the law's restrictions.

Classified Board

Our certificate of incorporation and by-laws divide our board of directors into three classes with staggered three year terms. There are currently nine directors, three in each class. At each annual meeting of stockholders, the terms of one class of directors will expire and the newly nominated directors of that class will be elected for a term of three years. The board of directors will be able to determine the total number of directors constituting the full board of directors and the number of directors in each class, but the total number of directors may not exceed 17 nor may the number of directors in any class exceed six. Subject to these rules, the classes of directors need not have equal numbers of members. No reduction in the total number of directors or in the number of directors in a given class will have the effect of removing a director from office or reducing the term of any then sitting director. Stockholders may only remove directors for cause. If the board of directors increases the number of directors in a class, it will be able to fill the vacancies created for the full remaining term of a director in that class even though the term may extend beyond the next annual meeting. The directors will also be able to fill any other vacancies for the full remaining term of the director whose death, resignation or removal caused the vacancy.

A person who has a majority of the voting power at a given meeting will not in any one year be able to replace a majority of the directors since only one class of the directors will stand for election in any one year. As a result, at least two annual meeting elections will be required to change the majority of the directors by the requisite vote of stockholders. The purpose of classifying the board of directors is to provide for a continuing body, even in the face of a person who accumulates a sufficient amount of voting power, whether by ownership or proxy or a combination, to have a majority of the voting power at a given meeting and who may seek to take control of our company without paying a fair premium for control to all of the owners of our common stock. This will allow the board of directors time to negotiate with such a person and to protect the interests of the other stockholders who may constitute a majority of the shares not actually owned by that person. However, it may also have the effect of deterring third parties from making takeover bids for control of our company or may be used to hinder or delay a takeover bid.

THE FUSION TRANSACTION

General

On December 1, 2006, we entered into a common stock purchase agreement with Fusion Capital Fund II, LLC, an Illinois limited liability company. Under the agreement, Fusion Capital is obligated, under certain conditions, to purchase shares from us in an aggregate amount of $6.0 million from time to time over a 24 month period. Under the terms of the common stock purchase agreement, we have agreed to issue Fusion Capital a commitment fee consisting of 1,440,000 shares of our common stock, of which we have issued 720,000 shares and we will issue the remaining 720,000 shares pro rata as we sell the $6,000,000 of our common stock to Fusion Capital. We have authorized up to 12,000,000 shares of our common stock for sale to Fusion Capital under the agreement. As of December 4, 2006, there were 59,410,046 shares of our common stock outstanding (58,160,491 shares held by non-affiliates) excluding the 12,000,000 shares offered by Fusion Capital pursuant to this prospectus which it has not yet purchased from us and the remaining 720,000 shares to be issued pro rata as we sell the $6,000,000 of our common stock to Fusion Capital. If all of such 12,720,000 shares offered hereby were issued and outstanding as of the date hereof, the 12,000,000 shares would represent 16.6% of the total common stock outstanding or 16.9% of the non-affiliates shares outstanding as of the date hereof. The number of shares ultimately offered for sale by Fusion Capital is dependent upon the number of shares purchased by Fusion Capital under the common stock purchase agreement.

We do not have the right to commence any sales of our shares to Fusion Capital until the Securities & Exchange Commission has declared effective the registration statement of which this prospectus forms a part . After the Securities & Exchange Commission has declared effective such registration statement, generally we have the right but not the obligation from time to time to sell our shares to Fusion Capital in amounts between $50,000 and $1.0 million depending on certain conditions. We have the right to control the timing and amount of any sales of our shares to Fusion Capital. The purchase price of the shares will be determined based upon the market price of our shares without any fixed discount at the time of each sale. Fusion Capital shall not have the right nor the obligation to purchase any shares of our common stock on any business day that the price of our common stock is below $0.20. The agreement may be terminated by us at any time at our discretion without any cost to us.

Purchase Of Shares Under The Common Stock Purchase Agreement

Under the common stock purchase agreement, on any business day selected by us, we may direct Fusion Capital to purchase up to $50,000 of our common stock. The purchase price per share is equal to the lesser of:

- the lowest sale price of our common stock on the purchase date; or
- the average of the three (3) lowest closing sale prices of our common stock during the twelve (12) consecutive business days prior to the date of a purchase by Fusion Capital.

The purchase price will be equitably adjusted for any reorganization, recapitalization, non-cash dividend, stock split, or other similar transaction occurring during the business days used to compute the purchase price. We may direct Fusion Capital to make multiple purchases from time to time in our sole discretion; no sooner then every four (4) business days.

Our Right To Increase the Amount to be Purchased

In addition to purchases of up to $50,000 from time to time, we may also from time to time elect on any single business day selected by us to require Fusion Capital to purchase our shares in an amount up to $100,000 provided that our share price is not below $0.30 during the two (2) business days prior to and on the purchase date. We may increase this amount to up to $250,000 if our share price is not below $0.60 during the two (2) business days prior to and on the purchase date. This amount may also be increased to up to $500,000 if our share price is not below $0.80 during the two (2) business days prior to and on the purchase date. This amount may also be increased to up to $1 million if our share price is not below $1.20 during the two (2) business days prior to and on the purchase date. We may direct Fusion Capital to make multiple large purchases from time to time in our sole discretion; however, at least three (3) business days must have passed since the most recent large purchase was completed. The price at which our common stock would be purchased in this type of larger purchases will be the lesser of (i) the lowest sale price of our common stock on the purchase date and (ii) the lowest purchase price (as described above) during the previous eight (8) business days prior to the purchase date.

Minimum Purchase Price

Under the common stock purchase agreement, we have set a minimum purchase price ("floor price") of $0.20. However, Fusion Capital shall not have the right nor the obligation to purchase any shares of our common stock in the event that the purchase price would be less than the floor price. Specifically, Fusion Capital shall not have the right or the obligation to purchase shares of our common stock on any business day that the market price of our common stock is below $0.20.

Events of Default

Generally, Fusion Capital may terminate the common stock purchase agreement without any liability or payment to the Company upon the occurrence of any of the following events of default:

- the effectiveness of the registration statement of which this prospectus is a part of lapses for any reason (including, without limitation, the issuance of a stop order) or is unavailable to Fusion Capital for sale of our common stock offered hereby and such lapse or unavailability continues for a period of ten (10) consecutive business days or for more than an aggregate of thirty (30) business days in any 365-day period;

- suspension by our principal market of our common stock from trading for a period of three (3) consecutive business days;

- the de-listing of our common stock from our principal market provided our common stock is not immediately thereafter trading on the Nasdaq Global Market, the Nasdaq Capital Market, the New York Stock Exchange or the American Stock Exchange;

- the transfer agent's failure for five (5) business days to issue to Fusion Capital shares of our common stock which Fusion Capital is entitled to under the common stock purchase agreement;

- any material breach of the representations or warranties or covenants contained in the common stock purchase agreement or any related agreements which has or which could have a material adverse effect on us subject to a cure period of ten (10) business days;

- any participation or threatened participation in insolvency or bankruptcy proceedings by or against us; or

- any change in our business properties, operations, financial condition or results of operations of the Company and its Subsidiaries that could reasonably be expected to have a material adverse effect.

Our Termination Rights

We have the unconditional right at any time for any reason to give notice to Fusion Capital terminating the common stock purchase agreement without any cost to us.

No Short-Selling or Hedging by Fusion Capital

Fusion Capital has agreed that neither it nor any of its affiliates shall engage in any direct or indirect short-selling or hedging of our common stock during any time prior to the termination of the common stock purchase agreement.

Commitment Shares Issued to Fusion Capital

Under the terms of the common stock purchase agreement, Fusion Capital has received a commitment fee consisting of 720,000 shares of our common stock. In connection with purchases of our common stock by Fusion Capital, we will issue up to 720,000 shares of common stock to Fusion Capital as an additional commitment fee. These additional shares will be issued pro rata based on the proportion that a dollar amount purchased by Fusion bears to the $6.0 million aggregate amount under the purchase agreement with Fusion Capital. Generally, unless an event of default occurs, Fusion Capital must own at least the commitment shares issued to Fusion Capital until 24 months from the date of the agreement or until the agreement is terminated.

Effect of Performance of the Common Stock Purchase Agreement on Our Stockholders

All 13,440,000 shares registered in this offering are expected to be freely tradable. It is anticipated that shares registered in this offering will be sold over a period of up to 24 months from the date of this prospectus. The sale by Fusion Capital of a significant amount of shares registered in this offering at any given time could cause the market price of our common stock to decline and to be highly volatile. Fusion Capital may ultimately purchase all, some or none of the 12,000,000 shares of common stock not yet issued but registered in this offering. After it has acquired such shares, it may sell all, some or none of such shares. Therefore, sales to Fusion Capital by us under the agreement may result in substantial dilution to the interests of other holders of our common stock. However, we have the right to control the timing and amount of any sales of our shares to Fusion Capital and the agreement may be terminated by us at any time at our discretion without any cost to us.

In connection with entering into the agreement, we authorized the sale to Fusion Capital of up to 12,000,000 shares of our common stock. The number of shares ultimately offered for sale by Fusion Capital under this prospectus is dependent upon the number of shares purchased by Fusion Capital under the agreement. The following table sets forth the amount of proceeds we would receive from Fusion Capital from the sale of shares at varying purchase prices:

Assumed Average Purchase Price	Number of Shares to be Issued if Full Purchase	Percentage of Outstanding Shares After Giving Effect to the Issuance to Fusion Capital[1]	Proceeds from the Sale of Shares to Fusion Capital Under the Common Stock Purchase Agreement
$ 0.20	12,000,000	18.0%	$ 2,400,000
$ 0.25[2]	12,000,000	18.0%	$ 3,000,000
$ 0.50	12,000,000	18.4%	$ 6,000,000
$ 0.75	8,000,000	13.7%	$ 6,000,000
$ 1.00	6,000,000	11.1%	$ 6,000,000

(1) Based on 59,410,046 shares outstanding as of December 7, 2006. Includes the applicable portion of the 1,440,000 shares issued and issuable to Fusion Capital as a commitment fee and the number of shares issuable under the agreement at the corresponding assumed purchase price set forth in the adjacent column.

(2) Closing sale price of our shares on December 6, 2006.

SELLING STOCKHOLDER

The following table presents information regarding the selling stockholder and the shares that may be sold by it pursuant to this prospectus. Neither the selling stockholder nor any of its affiliates has held a position or office, or had any other material relationship with us.

Selling Stockholder	Shares Owned Before Offering	Percentage of Outstanding Shares Owned Before Offering (1)	Shares to be Sold in the Offering	Percentage of Outstanding Shares Owned After Offering (1)
Fusion Capital Fund II, LLC (1)(2)	970,832	1.6%	13,440,000	0.4%

(1) As of the date hereof, 720,000 shares of our common stock have been acquired by Fusion Capital under the common stock purchase agreement. Additionally, as of the date of the common stock purchase agreement Fusion Capital beneficially owned 250,832 shares of our common stock. Fusion Capital may acquire up to an additional 12,720,000 shares under the common stock purchase agreement. Percentage of outstanding shares is based on 59,410,046 shares of common stock outstanding as of December 7, 2006, together with such additional 12,720,000 shares of common stock that may be acquired by Fusion Capital from us under the common stock purchase agreement after the date hereof.

(2) Steven G. Martin and Joshua B. Scheinfeld, the principals of Fusion Capital, are deemed to be beneficial owners of all of the shares of common stock owned by Fusion Capital. Messrs. Martin and Scheinfeld have shared voting and disposition power over the shares being offered under this prospectus.

PLAN OF DISTRIBUTION

The common stock offered by this prospectus is being offered by Fusion Capital Fund II, LLC, the selling stockholder. The common stock may be sold or distributed from time to time by the selling stockholder directly to one or more purchasers or through brokers, dealers, or underwriters who may act solely as agents at market prices prevailing at the time of sale, at prices related to the prevailing market prices, at negotiated prices, or at fixed prices, which may be changed. The sale of the common stock offered by this Prospectus may be effected in one or more of the following methods:

- ordinary brokers' transactions;
- transactions involving cross or block trades;
- through brokers, dealers, or underwriters who may act solely as agents;
- "at the market" into an existing market for the common stock;
- in other ways not involving market makers or established business markets, including direct sales to purchasers or sales effected through agents;
- in privately negotiated transactions; or
- any combination of the foregoing.

In order to comply with the securities laws of certain states, if applicable, the shares may be sold only through registered or licensed brokers or dealers. In addition, in certain states, the shares may not be sold unless they have been registered or qualified for sale in the state or an exemption from the registration or qualification requirement is available and complied with.

Brokers, dealers, underwriters, or agents participating in the distribution of the shares as agents may receive compensation in the form of commissions, discounts, or concessions from the selling stockholder and/or purchasers of the common stock for whom the broker-dealers may act as agent. The compensation paid to a particular broker-dealer may be less than or in excess of customary commissions.

Fusion Capital is an "underwriter" within the meaning of the Securities Act.

Neither we nor Fusion Capital can presently estimate the amount of compensation that any agent will receive. We know of no existing arrangements between Fusion Capital, any other stockholder, broker, dealer, underwriter, or agent relating to the sale or distribution of the shares offered by this Prospectus. At the time a particular offer of shares is made, a prospectus supplement, if required, will be distributed that will set forth the names of any agents, underwriters, or dealers and any compensation from the selling stockholder, and any other required information.

We will pay all of the expenses incident to the registration, offering, and sale of the shares to the public other than commissions or discounts of underwriters, broker-dealers, or agents. We have also agreed to indemnify Fusion Capital and related persons against specified liabilities, including liabilities under the Securities Act.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to our directors, officers, and controlling persons, we have been advised that in the opinion of the SEC this indemnification is against public policy as expressed in the Securities Act and is therefore, unenforceable.

Fusion Capital and its affiliates have agreed not to engage in any direct or indirect short selling or hedging of our common stock during the term of the common stock purchase agreement.

We have advised Fusion Capital that while it is engaged in a distribution of the shares included in this Prospectus it is required to comply with Regulation M promulgated under the Securities Exchange Act of 1934, as amended. With certain exceptions, Regulation M precludes the selling stockholder, any affiliated purchasers, and any broker-dealer or other person who participates in the distribution from bidding for or purchasing, or attempting to induce any person to bid for or purchase any security which is the subject of the distribution until the entire distribution is complete. Regulation M also prohibits any bids or purchases made in order to stabilize the price of a security in connection with the distribution of that security. All of the foregoing may affect the marketability of the shares offered hereby this Prospectus.

This offering will terminate on the date that all shares offered by this Prospectus have been sold by Fusion Capital.

DISCLOSURE OF COMMISSION POSITION ON INDEMNIFICATION FOR SECURITIES ACT LIABILITIES

Section 145 of the General Corporation Law of the State of Delaware (Section 145) provides that directors and officers of Delaware corporations may, under certain circumstances, be indemnified against expenses (including attorneys' fees) and other liabilities actually and reasonably incurred by them as a result of any suit brought against them in their capacity as a director or officer, if they acted in good faith and in a manner they reasonably believed to be in or not opposed to the best interests of the corporation, and, with respect to any criminal action or proceeding, if they had no reasonable cause to believe their conduct was unlawful. Section 145 also provides that directors and officers may also be indemnified against expenses (including attorneys' fees) incurred by them in connection with a derivative suit if they acted in good faith and in a manner they reasonably believed to be in or not opposed to the best interests of the corporation, except that no indemnification may be made without court approval if such person was adjudged liable to the corporation.

Article V of the Company's By-laws contains provisions which require that the Company indemnify its officers, directors, employees and agents, in substantially the same language as Section 145.

Article Nine, section (b), of the Company's Certificate of Incorporation further provides that no director will be personally liable to the Company or its stockholders for monetary damages or for any breach of fiduciary duty except for breach of the director's duty of loyalty to the Company or its stockholders, for acts or omissions not in good faith or involving intentional misconduct or a knowing violation of law, pursuant to Section 174 of the Delaware General Corporation Law (which imposes liability in connection with the payment of certain unlawful dividends, stock purchases or redemptions), or any amendment or successor provision thereto, or for any transaction from which a director derived an improper personal benefit.

Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to the directors, officers, and controlling persons of the small business issuer pursuant to the foregoing provisions, or otherwise, the small business issuer has been advised that in the opinion of the Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable.

In the event that a claim for indemnification against such liabilities (other than the payment by the small business issuer of expenses incurred or paid by a directors, officers or controlling person of the small business issuer in the successful defense of any action, suit or proceeding) is asserted by such director, officer, or controlling person in connection with the securities being registered, the small business issuer will, unless in the opinion of counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

LEGAL OPINION

The validity of the shares offered hereby has been passed upon for us by Porter, Wright, Morris & Arthur LLP, 41 South High Street, Columbus, Ohio 43215.

EXPERTS

The 2005 consolidated financial statements included in this Prospectus have been audited by BDO Seidman, LLP, an independent registered public accounting firm, to the extent and for the period set forth in their report appearing elsewhere herein and are included in reliance upon such report given upon the authority of said firm as experts in auditing and accounting.

The consolidated financial statements of Neoprobe Corporation as of December 31, 2004, have been included herein and in the registration statement in reliance upon the report of KPMG LLP, an independent registered public accounting firm, appearing elsewhere herein, and upon the authority of said firm as experts in accounting and auditing.

ADDITIONAL INFORMATION

We are subject to the reporting requirements of the Securities Exchange Act of 1934, as amended, and file reports, proxy statements and other information with the Securities and Exchange Commission. These reports, proxy statements and other information may be inspected and copied at the public reference facilities maintained by the Securities and Exchange Commission at 100 F Street, N.E., Washington, D.C. 20549 and at the Securities and Exchange Commission's regional offices located at the Northwestern Atrium Center, 500 West Madison Street, Suite 1400, Chicago, Illinois 60661 and 233 Broadway, New York, New York 10279. You can obtain copies of these materials from the Public Reference Section of the Securities and Exchange Commission upon payment of fees prescribed by the Securities and Exchange Commission. You may obtain information on the operation of the Public Reference Room by calling the Securities and Exchange Commission at 1-800-SEC-0330. The Securities and Exchange Commission's Web site contains reports, proxy and information statements and other information regarding registrants that file electronically with the Securities and Exchange Commission. The address of that site is http://www.sec.gov.

We have filed a Registration Statement on Form SB-2 with the Securities and Exchange Commission under the Securities Act with respect to the securities offered in this prospectus. This prospectus, which is filed as part of a Registration Statement, does not contain all of the information set forth in the Registration Statement, some portions of which have been omitted in accordance with the Securities and Exchange Commission's rules and regulations. Statements made in this prospectus as to the contents of any contract, agreement or other document referred to in this prospectus are not necessarily complete and are qualified in their entirety by reference to each such contract, agreement or other document which is filed as an exhibit to the Registration Statement. The Registration Statement may be inspected without charge at the public reference facilities maintained by the Securities and Exchange Commission, and copies of such materials can be obtained from the Public Reference Section of the Securities and Exchange Commission at prescribed rates. You may also obtain additional information regarding the Company on our website, located at http://www.neoprobe.com

NEOPROBE CORPORATION and SUBSIDIARIES

Index to Financial Statements

Report of Independent Registered Public Accounting Firm

Board of Directors
Neoprobe Corporation
Dublin, Ohio

We have audited the accompanying consolidated balance sheet of Neoprobe Corporation as of December 31, 2005 and the related consolidated statements of operations, stockholders' equity, and cash flows for the year then ended. These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. The Company is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. Our audit included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of Neoprobe Corporation at December 31, 2005 and the results of its operations and its cash flows for the year then ended in conformity with accounting principles generally accepted in the United States of America.

/s/ BDO Seidman, LLP

Chicago, Illinois
March 30, 2006

Report of Independent Registered Public Accounting Firm

The Board of Directors and Stockholders
Neoprobe Corporation:

We have audited the accompanying consolidated balance sheet of Neoprobe Corporation and subsidiaries as of December 31, 2004, and the related consolidated statements of operations, stockholders' equity, and cash flows for the year then ended. These consolidated financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these consolidated financial statements based on our audit.

We conducted our audit in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of Neoprobe Corporation and subsidiaries as of December 31, 2004, and the results of their operations and their cash flows for the year then ended, in conformity with U.S. generally accepted accounting principles.

/s/ KPMG LLP

Columbus, Ohio
March 31, 2005

Neoprobe Corporation and Subsidiaries
Audited Consolidated Balance Sheets

December 31, 2005 and 2004

	2005	2004
ASSETS		
Current assets:		
Cash and cash equivalents	$ 4,940,946	$ 9,842,658
Available-for-sale securities	1,529,259	-
Accounts receivable, net	673,008	411,856
Inventory	803,703	855,022
Prepaid expenses and other	501,557	327,408
Total current assets	8,448,473	11,436,944
Property and equipment	2,051,793	2,341,785
Less accumulated depreciation and amortization	1,768,558	2,003,942
	283,235	337,843
Patents and trademarks	3,162,547	3,155,334
Non-compete agreements	-	584,516
Acquired technology	237,271	237,271
	3,399,818	3,977,121
Less accumulated amortization	1,300,908	1,458,012
	2,098,910	2,519,109
Other assets	739,823	1,071,999
Total assets	$ 11,570,441	$ 15,365,895

Continued

Neoprobe Corporation and Subsidiaries
Consolidated Balance Sheets, continued

	2005	2004
LIABILITIES AND STOCKHOLDERS' EQUITY		
Current liabilities:		
Accounts payable	$ 207,824	$ 198,912
Accrued liabilities and other	821,781	378,247
Capital lease obligations, current	19,530	13,863
Deferred revenue, current	252,494	176,192
Notes payable to finance companies	200,054	242,722
Total current liabilities	1,501,683	1,009,936
Capital lease obligations	31,855	30,297
Deferred revenue	41,132	57,591
Notes payable to CEO, net of discounts of $26,249 and $32,204, respectively	73,751	67,796
Notes payable to investor, net of discounts of $2,099,898 and $2,576,302, respectively	5,900,102	5,423,698
Liability related to warrants to purchase common stock	-	2,560,307
Other liabilities	5,122	52,440
Total liabilities	7,553,645	9,202,065
Commitments and contingencies		
Stockholders' equity:		
Preferred stock; $.001 par value; 5,000,000 shares authorized at December 31, 2005 and 2004; none issued and outstanding (500,000 shares designated as Series A, $.001 par value, at December 31, 2004; none outstanding)	-	-
Common stock; $.001 par value; 150,000,000 shares authorized, 58,622,059 shares issued and outstanding at December 31, 2005; 100,000,000 shares authorized, 58,378,143 shares issued and outstanding at December 31, 2004	58,622	58,378
Additional paid-in capital	134,903,259	132,123,605
Accumulated deficit	(130,947,103)	(126,018,153)
Accumulated other comprehensive income	2,018	-
Total stockholders' equity	4,016,796	6,163,830
Total liabilities and stockholders' equity	$ 11,570,441	$ 15,365,895

See accompanying notes to consolidated financial statements.

Neoprobe Corporation and Subsidiaries
Consolidated Statements of Operations

	Years Ended December 31,	
	2005	**2004**
Revenues:		
Net sales	$ 5,919,473	$ 5,352,640
License and other revenue	-	600,000
Total revenues	5,919,473	5,952,640
Cost of goods sold	2,376,211	2,344,925
Gross profit	3,543,262	3,607,715
Operating expenses:		
Research and development	4,031,790	2,453,755
Selling, general and administrative	3,155,674	3,153,059
Total operating expenses	7,187,464	5,606,814
Loss from operations	(3,644,202)	(1,999,099)
Other income (expense):		
Interest income	226,663	28,869
Interest expense	(1,350,592)	(334,196)
Increase in warrant liability	(142,427)	(1,245,307)
Other	(18,392)	8,711
Total other expenses	(1,284,748)	(1,541,923)
Net loss	$ (4,928,950)	$ (3,541,022)
Net loss per common share:		
Basic	$ (0.08)	$ (0.06)
Diluted	$ (0.08)	$ (0.06)
Weighted average shares outstanding:		
Basic	58,433,895	56,763,710
Diluted	58,433,895	56,763,710

See accompanying notes to consolidated financial statements.

Neoprobe Corporation and Subsidiaries
Consolidated Statements of Stockholders' Equity

	Common Stock		Additional Paid-in	Accumulated	Accumulated Other Comprehensive	
	Shares	Amount	Capital	Deficit	Income	Total
Balance, December 31, 2003	51,520,723	$ 51,521	$ 127,684,555	$ (122,477,131)	$ -	$ 5,258,945
Issued stock upon conversion of note payable to investor	1,098,851	1,099	250,748	-	-	251,847
Issued warrants in exchange for extension of note payable to CEO	-	-	171,801	-	-	171,801
Issued stock upon exercise of warrants	3,251,354	3,251	874,488	-	-	877,739
Issued stock in connection with stock purchase agreement	2,416,129	2,416	1,468,918	-	-	1,471,334
Issued stock options to consultants	-	-	172,736	-	-	172,736
Effect of beneficial conversion feature of convertible promissory notes	-	-	1,315,000	-	-	1,315,000
Issued warrants as fees to investment banking firms	-	-	208,014	-	-	208,014
Issued stock to 401(k) plan at $0.16	91,086	91	14,402	-	-	14,493
Paid offering costs related to issuance of stock and warrants	-	-	(37,057)	-	-	(37,057)
Net loss	-	-	-	(3,541,022)	-	(3,541,022)
Balance, December 31, 2004	58,378,143	58,378	132,123,605	(126,018,153)	-	6,163,830
Issued stock upon exercise of warrants	206,865	207	57,715	-	-	57,922
Issued stock to 401(k) plan at $0.39	37,051	37	19,205	-	-	19,242
Reclassified liability related to warrants to purchase common stock	-	-	2,702,734	-	-	2,702,734
Comprehensive income (loss):						
Net loss	-	-	-	(4,928,950)	-	(4,928,950)
Unrealized gain on available-for-sale securities	-	-	-	-	2,018	2,018
Total comprehensive loss						(4,926,932)
Balance, December 31, 2005	58,622,059	$ 58,622	$ 134,903,259	$ (130,947,103)	$ 2,018	$ 4,016,796

See accompanying notes to consolidated financial statements.

Neoprobe Corporation and Subsidiaries
Consolidated Statements of Cash Flows

	Years Ended December 31,	
	2005	**2004**
Cash flows from operating activities:		
Net loss	$ (4,928,950)	$ (3,541,022)
Adjustments to reconcile net loss to net cash used in operating activities:		
Depreciation of property and equipment	163,121	154,703
Amortization of intangible assets	440,629	434,728
Provision for bad debts	320	79,718
Net loss on disposal and abandonment of assets	6,650	11,467
Amortization of debt discount and offering costs	687,370	266,580
Increase in warrant liability	142,427	1,245,307
Stock options granted for research and development	-	172,736
Other	(8,199)	15,551
Change in operating assets and liabilities:		
Accounts receivable	(261,472)	616,226
Inventory	34,163	131,532
Prepaid expenses and other assets	257,005	169,001
Accounts payable	8,912	(26,120)
Accrued liabilities and other liabilities	396,201	166,026
Deferred revenue	59,843	(721,804)
Net cash used in operating activities	(3,001,980)	(825,371)
Cash flows from investing activities:		
Purchases of available-for-sale securities	(5,480,787)	-
Maturities of available-for-sale securities	3,950,000	-
Purchases of property and equipment	(86,004)	(87,923)
Proceeds from sales of property and equipment	11,092	2,960
Patent and trademark costs	(20,625)	(25,779)
Net cash used in investing activities	(1,626,324)	(110,742)
Cash flows from financing activities:		
Proceeds from issuance of common stock	57,922	2,349,073
Payment of offering costs	-	(37,057)
Proceeds from notes payable	-	8,100,000
Payment of debt issuance costs	(29,635)	(729,978)
Payment of notes payable	(286,035)	(476,125)
Payments under capital leases	(15,680)	(15,902)
Other	20	-
Net cash (used in) provided by financing activities	(273,408)	9,190,011
Net (decrease) increase in cash and cash equivalents	(4,901,712)	8,253,898
Cash and cash equivalents, beginning of year	9,842,658	1,588,760
Cash and cash equivalents, end of year	$ 4,940,946	$ 9,842,658

See accompanying notes to consolidated financial statements.

Organization and Summary of Significant Accounting Policies:

a. Organization and Nature of Operations: Neoprobe Corporation (Neoprobe, the company, or we), a Delaware corporation, is engaged in the development and commercialization of innovative surgical and diagnostic products that enhance patient care by meeting the critical decision making needs of physicians. We currently manufacture two lines of medical devices: the first is a line of gamma radiation detection equipment used in the application of intraoperative lymphatic mapping (ILM), and the second is a line of blood flow monitoring devices for a variety of diagnostic and surgical applications.

Our gamma detection device products are marketed throughout most of the world through a distribution arrangement with Ethicon Endo-Surgery, Inc. (EES), a Johnson & Johnson company. For the years ended December 31, 2005 and 2004, 92% and 91% of net sales, respectively, were made to EES. The loss of this customer would have a significant adverse effect on our operating results.

Our blood flow measurement device product line is in the early stages of commercialization. Our activity with this product line was initiated with our acquisition of Cardiosonix Ltd. (Cardiosonix, formerly Biosonix Ltd.), located in Ra'anana, Israel, on December 31, 2001.

We also have developmental and/or intellectual property rights related to two drugs that might be used in connection with gamma detection devices in cancer surgeries. The first, Lymphoseek™, is intended to be used in tracing the spread of certain solid tumor cancers. The second, RIGScan® CR, is intended to be used to help surgeons locate cancerous tissue during colorectal cancer surgeries. Both of these drug products are still in development and must be cleared for marketing by the appropriate regulatory bodies before they can be sold in any markets.

In addition, in January 2005 we formed a new corporation, Cira Biosciences, Inc. (Cira Bio), to explore the development of patient-specific cellular therapies that have shown positive patient responses in a variety of clinical settings. Cira Bio is combining our activated cellular therapy (ACT) technology for patient-specific oncology treatment with similar technology licensed from Cira LLC, a privately held company, for treating viral and autoimmune diseases. Neoprobe owns approximately 90% of the outstanding shares of Cira Bio with the remaining shares being held by the principals of Cira LLC.

b. Principles of Consolidation: Our consolidated financial statements include the accounts of Neoprobe, our wholly-owned subsidiary, Cardiosonix, and our majority-owned subsidiary, Cira Bio. All significant inter-company accounts were eliminated in consolidation.

c. Fair Value of Financial Instruments: The following methods and assumptions were used to estimate the fair value of each class of financial instruments:

(1) Cash and cash equivalents, accounts receivable, accounts payable, and accrued liabilities: The carrying amounts approximate fair value because of the short maturity of these instruments.

(2) Available-for-sale securities: Available-for-sale securities are recorded at fair value. Unrealized holding gains and losses, net of the related tax effect, on available-for-sale securities are excluded from earnings and are reported as a separate component of other comprehensive income (loss) until realized. Realized gains and losses from the sale of available-for-sale securities are determined on a specific identification basis.

A decline in the market value of any available-for-sale security below cost that is deemed to be other than temporary results in a reduction in carrying amount to fair value. The impairment is charged to earnings and a new cost basis for the security is established. Premiums and discounts are amortized or accreted over the life of the related available-for-sale security as an adjustment to yield using the effective interest method. Dividend and interest income are recognized when earned.

Available-for-sale securities are classified as current based on our intent to use them to fund short-term working capital needs.

(3) Notes payable to finance companies: The fair value of our debt is estimated by discounting the future cash flows at rates currently offered to us for similar debt instruments of comparable maturities by banks or finance companies. At December 31, 2005 and 2004, the carrying values of these instruments approximate fair value.

(4) Notes payable to CEO: The carrying value of our debt is presented as the face amount of the notes less the unamortized discounts related to the value of the beneficial conversion features and the initial estimated fair value of the warrants to purchase common stock issued in connection with the notes. At December 31, 2005, the carrying value of the note payable to our CEO approximates fair value. At December 31, 2004, the fair value of the note payable to our CEO was approximately $75,000, as determined by a third-party valuation expert.

(5) Notes payable to outside investors: The carrying value of our debt is presented as the face amount of the notes less the unamortized discounts related to the value of the beneficial conversion features and the initial estimated fair value of the warrants to purchase common stock issued in connection with the notes. At December 31, 2005, the carrying value of the note payable to outside investors approximates fair value. At December 31, 2004, the fair value of the note payable to outside investors was approximately $6.0 million, as determined by a third-party valuation expert.

d. Cash and Cash Equivalents: There were no cash equivalents at December 31, 2005 or 2004. As of December 21, 2005 and 2004, $8,000 and $19,000, respectively, was restricted to secure bank guarantees related to sub-lease agreements for Cardiosonix' office space.

e. Inventory: All components of inventory are valued at the lower of cost (first-in, first-out) or market. We adjust inventory to market value when the net realizable value is lower than the carrying cost of the inventory. Market value is determined based on recent sales activity and margins achieved. The components of net inventory at December 31, 2005 and 2004 are as follows:

	2005	2004
Materials and component parts	$ 461,218	$ 486,323
Finished goods	342,485	368,699
	$ 803,703	$ 855,022

During 2005 and 2004, we wrote off $58,000 and $107,000, respectively, of excess and obsolete materials, primarily due to reduced demand for our laparoscopic probes and design changes to our Quantix® product line.

f. Property and Equipment: Property and equipment are stated at cost. Property and equipment under capital leases are stated at the present value of minimum lease payments. Depreciation is computed using the straight-line method over the estimated useful lives of the depreciable assets ranging from 2 to 7 years, and includes amortization related to equipment under capital leases. Maintenance and repairs are charged to expense as incurred, while renewals and improvements are capitalized. Property and equipment includes $78,000 and $56,000 of equipment under capital leases with accumulated amortization of $33,000 and $14,000 at December 31, 2005 and 2004, respectively. During 2005 and 2004, we recorded losses of $7,000 and $4,000, respectively, on the disposal of property and equipment.

The major classes of property and equipment are as follows:

	Useful Life	2005	2004
Production machinery and equipment	5 years	$ 999,106	$ 1,060,610
Other machinery and equipment, primarily computers and research equipment	2 - 5 years	543,313	663,772
Furniture and fixtures	7 years	334,275	360,663
Leasehold improvements	Life of Lease[1]	74,682	134,856
Software	3 years	100,417	121,884
		$ 2,051,793	$ 2,341,785

[1] We amortize leasehold improvements over the life of the lease, which in all cases we believe is shorter than the estimated useful life of the asset.

g. Intangible Assets: Intangible assets consist primarily of patents and other acquired intangible assets. Intangible assets are stated at cost, less accumulated amortization. Patent costs are amortized using the straight-line method over the estimated useful lives of the patents of 5 to 15 years. Patent application costs are deferred pending the outcome of patent applications. Costs associated with unsuccessful patent applications and abandoned intellectual property are expensed when determined to have no recoverable value. Acquired technology costs are amortized using the straight-line method over the estimated useful life of seven years. Non-compete agreements were amortized using the straight-line method over their estimated useful lives of four years. Non-compete agreements expired as of December 31, 2005. We evaluate the potential alternative uses of all intangible assets, as well as the recoverability of the carrying values of intangible assets on a recurring basis.

The major classes of intangible assets are as follows:

		December 31, 2005		December 31, 2004	
	Wtd Avg Life	Gross Carrying Amount	Accumulated Amortization	Gross Carrying Amount	Accumulated Amortization
Patents and trademarks	10 yrs	$ 3,162,547	$ 1,164,763	$ 3,155,334	$ 915,571
Non-compete agreements	-	-	-	584,516	440,005
Acquired technology	3 yrs	237,271	136,145	237,271	102,436
Total		$ 3,399,818	$ 1,300,908	$ 3,977,121	$ 1,458,012

During 2005 and 2004, we recorded general and administrative expenses of $440,000 and $442,000, respectively, of intangible asset amortization expense. Of those amounts, $11,000 and $7,000, respectively, was related to the abandonment of gamma detection patents and patent applications that were deemed no longer recoverable or part of our ongoing business.

The estimated future amortization expenses for the next five fiscal years are as follows:

	Estimated Amortization Expense
For the year ended 12/31/2006	$ 262,992
For the year ended 12/31/2007	226,830
For the year ended 12/31/2008	201,976
For the year ended 12/31/2009	168,267
For the year ended 12/31/2010	168,267

h. Other Assets:

Other assets consist primarily of deferred debt issuance costs. We defer costs associated with the issuance of notes payable and amortize those costs over the period of the notes using the effective interest method. In 2005 and 2004, we incurred $10,000 and $938,000, respectively, of debt issuance costs related to notes payable. Of the debt issuance costs incurred in 2004, $208,000 was non-cash in nature. See Note 6.

i. Revenue Recognition:

(1) Product Sales: We derive revenues primarily from sales of our medical devices. Our standard shipping terms are FOB shipping point, and title and risk of loss passes to the customer upon delivery to a common carrier. We generally recognize sales revenue when the products are shipped and the earnings process has been completed. However, in cases where product is shipped but the earnings process is not yet completed, revenue is deferred until it has been determined that the earnings process has been completed. Our customers have no right to return products purchased in the ordinary course of business.

Sales prices on gamma detection products sold to EES are subject to retroactive annual adjustment based on a fixed percentage of the actual sales prices achieved by EES on sales to end customers made during each fiscal year, subject to a minimum (i.e., floor) price. To the extent that we can reasonably estimate the end customer prices received by EES, we record sales to EES based upon these estimates. To the extent that we are not able to reasonably estimate end customer sales prices related to certain products sold to EES, we record revenue related to these product sales at the floor price provided for under our distribution agreement with EES.

We recognize revenue related to the sales of products to be used for demonstration units when products are shipped and the earnings process has been completed. Our distribution agreements do not permit return of purchased demonstration units in the ordinary course of business nor do we have any performance obligations other than normal product warranty obligations. To the extent that the earnings process has not been completed, revenue is deferred. To the extent we enter into multiple-element arrangements, we allocate revenue based on the relative fair value of the elements.

(2) Extended Warranty Revenue: We derive revenues from the sale of extended warranties covering our medical devices over periods of one to four years. We recognize revenue from extended warranty sales on a pro-rata basis over the period covered by the extended warranty. Expenses related to the extended warranty are recorded when incurred.

(3) Service Revenue: We derive revenues from the repair and service of our medical devices that are in use beyond the term of the original warranty and that are not covered by an extended warranty. We recognize revenue from repair and service activities once the activities are complete and the repaired or serviced device has been shipped back to the customer.

(4) License Revenue: We recognized license revenue in connection with our distribution agreement with EES on a straight-line basis over the five-year initial term of the agreement based on our obligations to provide ongoing support for the intellectual property being licensed such as patent maintenance and regulatory filings. As the license related to intellectual property held or licensed to us, we incurred no significant cost associated with the recognition of this revenue. The license revenue was fully recognized as of September 30, 2004.

j. Research and Development Costs: All costs related to research and development are expensed as incurred.

k. Income Taxes: Income taxes are accounted for under the asset and liability method. Deferred tax assets and liabilities are recognized for the future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases, and operating loss and tax credit carryforwards. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred tax assets and liabilities of a change in tax rates is recognized in income in the period that includes the enactment date. Due to the uncertainty surrounding the realization of these favorable tax attributes in future tax returns, all of the net deferred tax assets have been fully offset by a valuation allowance at December 31, 2005.

l. Stock Option Plans: At December 31, 2005, we have three stock-based employee compensation plans. (See Note 8(a).) We apply the intrinsic value-based method of accounting prescribed by Accounting Principles Board (APB) Opinion No. 25, *Accounting for Stock Issued to Employees*, and related interpretations, in accounting for our stock options. As such, compensation expense is recorded on the date of grant and amortized over the period of service only if the current market price of the underlying stock exceeds the exercise price. No stock-based employee compensation cost related to options is reflected in net income (loss), as all options granted under those plans had an exercise price equal to the market value of the underlying common stock on the date of grant.

The fair value of each option grant was estimated on the date of the grant using the Black-Scholes option-pricing model with the following assumptions for 2005 and 2004, respectively: average risk-free interest rates of 4.3% and 3.0%; volatility of 79% for 2005 and 127% for 2004; and no dividend rate for any year. The weighted average fair value of options granted in 2005 and 2004 was $0.28 and $0.39, respectively.

The following table illustrates the effect on net income (loss) and earnings (loss) per share if compensation cost for our stock-based compensation plans had been determined based on the fair value at the grant dates for awards under those plans consistent with Statement of Financial Accounting Standards (SFAS) No. 123, *Accounting for Stock-Based Compensation*:

	Years Ended December 31,	
	2005	2004
Net loss, as reported	$ (4,928,950)	$ (3,541,022)
Deduct: Total stock-based employee compensation expense determined under fair value based method for all awards	(511,712)	(304,266)
Pro forma net loss	$ (5,440,662)	$ (3,845,288)
Loss per common share:		
As reported (basic and diluted)	$ (0.08)	$ (0.06)
Pro forma (basic and diluted)	$ (0.09)	$ (0.07)

m. Equity Issued to Non-Employees: We account for equity instruments granted to non-employees in accordance with the provisions of SFAS No. 123 and Emerging Issues Task Force Issue No. 96-18, *Accounting for Equity Instruments that are Issued to Other Than Employees for Acquiring, or in Conjunction with Selling, Goods or Services.* All transactions in which goods or services are the consideration received for the issuance of equity instruments are accounted for based on the fair value of the consideration received or the equity instrument issued, whichever is more reliably measurable. The measurement date of the fair value of the equity instrument issued is the earlier of the date on which the counterparty's performance is complete or the date on which it is probable that performance will occur. During 2004, we issued 250,000 options to non-employee consultants and recognized $173,000 of research and development expense related to options granted to consultants.

n. Use of Estimates: The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

o. Comprehensive Income (Loss): Due to our net operating loss position, there are no income tax effects on comprehensive income (loss) components for the year ended December 31, 2005.

	Year Ended December 31, 2005
Net loss	$ (4,928,950)
Unrealized gains on available-for-sale securities	2,018
Other comprehensive loss	$ (4,926,932)

We had no accumulated other comprehensive income (loss) activity during the year ended December 31, 2004.

p. Impairment or Disposal of Long-Lived Assets: We account for long-lived assets in accordance with the provisions of SFAS No. 144, *Accounting for the Impairment or Disposal of Long-Lived Assets.* This Statement requires that long-lived assets and certain identifiable intangibles be reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount of an asset may not be recoverable. Recoverability of assets to be held and used is measured by a comparison of the carrying amount of an asset to future net undiscounted cash flows expected to be generated by the asset. If such assets are considered to be impaired, the impairment recognized is measured by the amount by which the carrying amount of the assets exceeds the fair value of the assets. Assets to be disposed of are reported at the lower of the carrying amount or fair value less costs to sell.

q. Recent Accounting Developments: In November 2004, the Financial Accounting Standards Board (FASB) issued SFAS No. 151, *Inventory Costs - An Amendment of ARB No. 43, Chapter 4*. This statement amends the guidance in ARB No. 43 Chapter 4, *Inventory Pricing*, to clarify the accounting for abnormal amounts of idle facility expense, freight, handling costs, and wasted material (spoilage). Paragraph 5 of ARB No. 43, Chapter 4, previously stated that " . . . under some circumstances, items such as idle facility expense, excessive spoilage, double freight, and rehandling costs may be so abnormal to require treatment as a current period charge…." This statement requires that those items be recognized as current-period charges regardless of whether they meet the criterion of "so abnormal." In addition, this statement requires that allocation of fixed production overheads to the costs of conversion be based on the normal capacity of the production facilities. The provisions of this statement will be effective for inventory costs during fiscal years beginning after June 15, 2005. Neoprobe does not believe that the adoption of this statement will have a material impact on its financial condition or results of operations.

In December 2004, the FASB issued SFAS No. 123 (revised 2004), *Share-Based Payment*, which is a revision of SFAS No. 123, *Accounting for Stock-Based Compensation* (SFAS No. 123R). SFAS No. 123R supersedes APB Opinion No. 25, *Accounting for Stock Issued to Employees*, and amends SFAS No. 95, *Statement of Cash Flows*. Generally, the approach in SFAS No. 123R is similar to the approach described in SFAS No. 123. However, SFAS No. 123R requires all share-based payments to employees, including grants of employee stock options, to be recognized in the income statement based on their fair values. Pro forma disclosure is no longer an alternative. We must adopt SFAS No. 123R for interim or annual reporting periods beginning after December 15, 2005. Early adoption will be permitted in periods in which financial statements have not yet been issued. We adopted SFAS No. 123R effective January 1, 2006.

As permitted by SFAS No. 123, during 2005 Neoprobe accounted for share-based payments to employees using APB Opinion No. 25's intrinsic value method and, as such, generally recognized no compensation cost for employee stock options. However, had we adopted SFAS No. 123R in prior periods, the impact of that standard would have approximated the impact of SFAS No. 123 as described in the disclosure of pro forma net loss and loss per share in Note 1(l) to our consolidated financial statements. The adoption of SFAS No. 123R's fair value method will have a significant impact on our results of operations, although it will have no impact on our overall cash position. Based on options outstanding at December 31, 2005, we estimate that the adoption of SFAS No. 123R will result in additional compensation expense of approximately $260,000 in 2006 and $115,000 in 2007. However, these amounts may change significantly depending on levels of share-based payments granted in the future and the assumptions for the variables which impact the computation. SFAS No. 123R also requires the benefits of tax deductions in excess of recognized compensation cost to be reported as a financing cash flow, rather than as an operating cash flow as required under current literature.

In December 2004, the FASB issued SFAS No. 153, *Exchanges of Nonmonetary Assets - An Amendment of APB Opinion No. 29, Accounting for Nonmonetary Transactions* (SFAS No. 153). SFAS No. 153 eliminates the exception from fair value measurement for nonmonetary exchanges of similar productive assets in paragraph 21(b) of APB Opinion No. 29, *Accounting for Nonmonetary Transactions*, and replaces it with an exception for exchanges that do not have commercial substance. SFAS No. 153 specifies that a nonmonetary exchange has commercial substance if the future cash flows of the entity are expected to change significantly as a result of the exchange. SFAS No. 153 is effective for fiscal periods beginning after June 15, 2005 and is required to be adopted by Neoprobe beginning January 1, 2006. Neoprobe is currently evaluating the effect that the adoption of SFAS No. 153 will have on its consolidated results of operations and financial condition but does not expect it to have a material impact.

In June 2005, the FASB issued SFAS No. 154, *Accounting Changes and Error Corrections - A Replacement of APB Opinion No. 20 and FASB Statement No. 3* (SFAS No. 154). SFAS No. 154 supersedes APB Opinion No. 20, *Accounting Changes,* and SFAS No. 3, *Reporting Accounting Changes in Interim Financial Statements*. SFAS No. 154 requires retrospective application to prior periods' financial statements of a voluntary change in accounting principle unless it is impracticable. APB Opinion No. 20 previously required that most voluntary changes in accounting principle be recognized by including in net income of the period of the change the cumulative effect of changing to the new accounting principle. SFAS No. 154 requires that a change in method of depreciation, amortization, or depletion for long-lived, nonfinancial assets be accounted for as a change in accounting estimate that is effected by a change in accounting principle. ABP Opinion No. 20 previously required that such a change be reported as a change in accounting principle. SFAS No. 154 carries forward many provisions of APB Opinion No. 20 without change, including the provisions related to the reporting of a change in accounting estimate, a change in the reporting entity, and the correction of an error. SFAS No. 154 also carries forward the provisions of SFAS No. 3 that govern reporting accounting changes in interim financial statements. SFAS No. 154 is effective for fiscal years beginning after December 15, 2005 and is required to be adopted by Neoprobe beginning January 1, 2006. We do not expect the adoption of SFAS No. 154 to have a material impact on our consolidated results of operations and financial condition.

I n September 2005, the Emerging Issues Task Force (EITF) ratified EITF No. 05-8, Income Tax Consequences of Issuing Convertible Debt with a Beneficial Conversion Feature (EITF No. 05-8). EITF No. 05-8 determined that (a) the issuance of convertible debt with a beneficial conversion feature results in a difference between book basis and tax basis of the debt instrument, (b) such difference between book basis and tax basis of the debt instrument is temporary in nature, and (c) the recognition of deferred taxes for the temporary difference of convertible debt with a beneficial conversion feature should be recorded as an adjustment to additional paid-in capital. EITF No. 05-8 is required to be applied retrospectively, and is effective beginning in the first interim or annual reporting period beginning after December 15, 2005. Neoprobe is required to adopt EITF No. 05-8 beginning January 1, 2006. We do not expect the adoption of EITF No. 05-8 to have a material impact on our consolidated results of operations or financial condition, however we do expect the adoption of EITF No. 05-8 to result in a material change in our income tax disclosures.

In February 2006, the FASB issued SFAS No. 155, *Accounting for Certain Hybrid Financial Instruments - An Amendment of FASB Statements No. 133 and 140* (SFAS No. 155). SFAS No. 155 amends SFAS No. 133, *Accounting for Derivative Instruments and Hedging Activities*, and SFAS No. 140, *Accounting for Transfers and Servicing of Financial Assets and Extinguishments of Liabilities*. SFAS No. 155 (a) permits fair value remeasurement for any hybrid financial instrument that contains an embedded derivative that otherwise would require bifurcation, (b) clarifies which interest-only strips and principal-only strips are not subject to the requirements of SFAS No. 133, (c) establishes a requirement to evaluate interests in securitized financial assets to identify interests that are freestanding derivatives or that are hybrid financial instruments that contain an embedded derivative requiring bifurcation, (d) clarifies that concentrations of credit risk in the form of subordination are not embedded derivatives, and (e) amends SFAS No. 140 to eliminate the prohibition on a qualifying special-purpose entity from holding a derivative financial instrument that pertains to a beneficial interest other than another derivative financial instrument. SFAS No. 155 is effective for all financial instruments acquired or issued after the beginning of an entity's first fiscal year that begins after September 15, 2006 and is required to be adopted by Neoprobe beginning January 1, 2007. We do not expect the adoption of SFAS No. 155 to have a material impact on our consolidated results of operations and financial condition.

2. Earnings Per Share:

Basic earnings (loss) per share are calculated using the weighted average number of common shares outstanding during the periods. Diluted earnings (loss) per share is calculated using the weighted average number of common shares outstanding during the periods, adjusted for the effects of convertible securities, options and warrants, if dilutive.

	Year Ended December 31, 2005		Year Ended December 31, 2004	
	Basic Earnings Per Share	**Diluted Earnings Per Share**	**Basic Earnings Per Share**	**Diluted Earnings Per Share**
Outstanding shares	58,622,059	58,622,059	58,378,143	58,378,143
Effect of weighting changes in outstanding shares	(58,164)	(58,164)	(1,484,433)	(1,484,433)
Contingently issuable shares	(130,000)	(130,000)	(130,000)	(130,000)
Adjusted shares	58,433,895	58,433,895	56,763,710	56,763,710

There is no difference in basic and diluted loss per share related to 2005 or 2004. The net loss per common share for 2005 and 2004 excludes 40,648,684 and 37,982,562, respectively, of common shares issuable upon exercise of outstanding stock options and warrants into our common stock or upon the conversion of convertible debt since such inclusion would be anti-dilutive.

3. Accounts Receivable and Concentrations of Credit Risk:

Accounts receivable at December 31, 2005 and 2004, net of allowance for doubtful accounts of $1,000 and $2,000, respectively, consist of the following:

	2005	2004
Trade	$ 663,898	$ 403,674
Other	9,110	8,182
	$ 673,008	$ 411,856

At December 31, 2005 and 2004, approximately 91% and 88%, respectively, of net accounts receivable are due from EES. We do not believe we are exposed to significant credit risk related to EES based on the overall financial strength and credit worthiness of the customer and its parent company. We believe that we have adequately addressed other credit risks in estimating the allowance for doubtful accounts.

We estimate an allowance for doubtful accounts based on a review and assessment of specific accounts receivable and write off accounts when deemed uncollectible. The activity in the allowance for doubtful accounts for the years ended December 31, 2005 and 2004 is as follows:

	2005	2004
Allowance for doubtful accounts at beginning of year	$ 1,694	$ 46,000
Provision for bad debts	320	8,718
Write-offs charged against the allowance	(1,435)	(53,024)
Recoveries of amounts previously written off	287	-
Allowance for doubtful accounts at end of year	$ 866	$ 1,694

4. Accrued Liabilities:

Accrued liabilities at December 31, 2005 and 2004 consist of the following:

	2005	2004
Contracted services and other	$ 540,932	$ 241,608
Compensation	204,421	56,547
Warranty reserve	41,185	66,000
Inventory purchases	35,243	14,092
	$ 821,781	$ 378,247

5. Product Warranty:

We warrant our products against defects in design, materials, and workmanship generally for a period of one year from the date of sale to the end customer except in cases where the product has a limited use as designed. Our accrual for warranty expenses is adjusted periodically to reflect actual experience. EES also reimburses us for a portion of warranty expense incurred based on end customer sales they make during a given fiscal year. Payments charged against the reserve are disclosed net of EES' estimated reimbursement.

The activity in the warranty reserve account for the years ended December 31, 2005 and 2004 is as follows:

	2005	2004
Warranty reserve, at beginning of year	$ 66,000	$ 53,000
Provision for warranty claims and changes in reserve for warranties	24,539	20,849
Payments charged against the reserve	(49,354)	(7,849)
Warranty reserve, at end of year	$ 41,185	$ 66,000

6. Notes Payable:

During April 2003, we completed a bridge loan agreement with our President and CEO, David Bupp. Under the terms of the agreement, Mr. Bupp advanced us $250,000. In consideration for the loan, we issued a note to Mr. Bupp in the principal amount of $250,000. The note was secured by general assets of the company, excluding accounts receivable. In addition, we issued Mr. Bupp 375,000 warrants to purchase our common stock at an exercise price of $0.13 per share, expiring in April 2008. The per share value of these warrants was $0.10 on the date of issuance using the Black-Scholes option pricing model with the following assumptions: an average risk-free interest rate of 2.9%, volatility of 139% and no expected dividend rate. The note bore interest at 8.5% per annum, payable monthly, and the note was originally due on June 30, 2004. On March 8, 2004, at the request of the Board of Directors, Mr. Bupp agreed to extend the due date of the note from June 30, 2004 to June 30, 2005. In exchange for extending the due date of the note, we issued Mr. Bupp an additional 375,000 warrants to purchase our common stock at an exercise price of $0.50 per share, expiring in March 2009. The per share value of these warrants was $0.46 on the date of issuance using the Black-Scholes option pricing model with the following assumptions: an average risk-free interest rate of 2.7%, volatility of 152% and no expected dividend rate. The total estimated fair values for the warrants issued to Mr. Bupp in April 2003 and March 2004 were $31,755 and $171,801, respectively. These amounts were recorded as discounts on the note and were amortized over the period of the note. On December 13, 2004, we paid the balance of the note to Mr. Bupp. The discount remaining at the date of payment totaling $74,230 was recorded as interest expense.

During April 2003, we also completed a bridge loan agreement with an outside investor for an additional $250,000. In consideration for the loan, we issued a note to the investor in the principal amount of $250,000. The note was secured by general assets of the company, excluding accounts receivable. In addition, we issued the investor 500,000 warrants to purchase our common stock at an exercise price of $0.13 per share, expiring in April 2008. The per share value of these warrants was $0.10 on the date of issuance using the Black-Scholes option pricing model with the following assumptions: an average risk-free interest rate of 2.9%, volatility of 139% and no expected dividend rate. The total estimated fair value for the warrants issued to the outside investor was $40,620. Under the terms of the agreement, the note bore interest at 9.5% per annum, payable monthly, was convertible into common stock and was due on June 30, 2004. Fifty percent of the principal and accrued interest of the note was convertible into common stock at a 15% discount to the closing market price on the date of conversion, subject to a floor conversion price of $0.10. The remaining 50% of the principal and accrued interest was convertible into common stock based on a 15% discount to the closing market price on the date of conversion, subject to a floor conversion price of $0.10 and a ceiling conversion price of $0.20. The intrinsic value of the conversion feature of the note to the outside investor was estimated at $40,620 based on the effective conversion price at the date of issuance and was recorded as an additional discount on the note. The estimated fair value of the warrants and the intrinsic value of the conversion feature were recorded as discounts on the note and were amortized over the term of the note. During January 2004, the outside investor converted the entire balance of the note into 1.1 million shares of common stock according to the conversion terms of the agreement. The total value of the shares issued in conversion of the note was $378,955 based on the closing market prices for our common stock on the dates of conversion. The discount remaining at conversion totaling $27,604 was recorded as interest expense.

In December 2004, we completed a private placement of four-year convertible promissory notes in an aggregate principal amount of $8.1 million with Biomedical Value Fund, L.P. (BVF), Biomedical Offshore Value Fund, Ltd. (BOVF) and David C. Bupp (our President and CEO). Biomedical Value Fund, L.P. and Biomedical Offshore Value Fund, Ltd. are funds managed by Great Point Partners, LLC. The notes bear interest at 8% per annum, payable quarterly on each March 31, June 30, September 30 and December 31 of each year, and are freely convertible into shares of our common stock at a price of $0.40 per share. Neoprobe may force conversion of the notes prior to their stated maturity under certain circumstances. All of our material assets, except the intellectual property associated with our Lymphoseek and RIGS® products under development, have been pledged as collateral for these notes.

In addition to the security interest in our assets, the notes carry substantial covenants that impose significant requirements on us, including, among others, requirements that: we pay all principal, interest and other charges on the notes when due; we use the proceeds from the sale of the notes only for permitted purposes such as Lymphoseek development and general corporate purposes; we nominate and recommend for election as a director a person designated by the holders of the notes; we keep reserved out of our authorized shares of common stock sufficient shares to satisfy our obligation to issue shares on conversion of the notes and the exercise of the warrants issued in connection with the sale of the notes; we achieve annual revenues on a consolidated basis of at least $5.4 million in 2005, $6.5 million in 2006, and $9.0 million in each year thereafter; we maintain minimum cash balances of $4.5 million at the end of the first six months of 2005, $4.0 million at the end of the second six months of 2005, and $3.5 million at the end of each six-month period thereafter; and we indemnify the purchasers of the notes against certain liabilities. Additionally, with certain exceptions, the notes prohibit us from: amending our organizational or governing agreements and documents, entering into any merger or consolidation, dissolving the company or liquidating its assets, or acquiring all or any substantial part of the business or assets of any other person; engaging in transactions with any affiliate; entering into any agreement inconsistent with our obligations under the Notes and related agreements; incurring any indebtedness, capital leases, or contingent obligations outside the ordinary course of business; granting or permitting liens against or security interests in our assets; making any material dispositions of our assets outside the ordinary course of business; declaring or paying any dividends or making any other restricted payments; or making any loans to or investments in other persons outside of the ordinary course of business.

As part of this transaction, we issued the investors 10,125,000 Series T warrants to purchase our common stock at an exercise price of $0.46, expiring in December 2009. The fair value of the warrants issued to the investors was $1,315,000 on the date of issuance and was determined by a third-party valuation expert using the Black-Scholes option pricing model with the following assumptions: an average risk-free interest rate of 3.4%, volatility of 50% and no expected dividend rate. In connection with this financing, we also issued 1,600,000 warrants to purchase our common stock to the placement agents, containing substantially the same terms as the warrants issued to the investors. The fair value of the warrants issued to the placement agents was $208,014 using the Black-Scholes option pricing model with the same assumptions used to determine the fair value of the warrants issued to the investors. The intrinsic value of the conversion feature of the notes was estimated at $1,315,000 based on the effective conversion price at the date of issuance. The fair value of the warrants issued to the investors and the intrinsic value of the conversion feature were recorded as discounts on the note and will be amortized over the term of the note using an effective interest rate of 19.8%. The fair value of the warrants issued to the placement agents was recorded as a deferred debt issuance cost and will be amortized over the term of the note. See Note 1(h). If we issue equity at prices below the conversion rate for the promissory notes (and for the warrants below the exercise price), then we would be required to reset the exercise and conversion prices for these securities. This provision results in a contingent beneficial conversion feature that may require us to estimate an additional debt discount if a reset occurs.

U.S. generally accepted accounting principles also required us to classify the warrants issued in connection with the placement as a liability due to penalty provisions contained in the securities purchase agreement. The penalty provisions could have required us to pay a penalty of 0.0667% per day of the total debt amount if we failed to meet certain registration deadlines, or if our stock was suspended from trading for more than 30 days. As a liability, the warrants were considered derivative instruments that were required to be periodically “marked to market” on our balance sheet. We estimated the fair value of the warrants at December 31, 2004 using the Black-Scholes option pricing model with the following assumptions: an average risk-free interest rate of 3.4%, volatility of 50% and no expected dividend rate. On February 16, 2005, Neoprobe and the investors confirmed in writing their intention that the penalty provisions which led to this accounting treatment were intended to apply only to the $8.1 million principal balance of the promissory notes and underlying conversion shares and not to the warrant shares. Because the value of our stock increased $0.19 per share from $0.40 per share at the closing date of the financing on December 14, 2004 to $0.59 per share at December 31, 2004, our year end, the effect of marking the warrant liability to “market” at December 31, 2004 resulted in an increase in the estimated fair value of the warrant liability of $1.2 million which was recorded as non-cash expense during the fourth quarter of 2004. Subsequently, the value of our stock increased $0.02 per share from $0.59 at December 31, 2004 to $0.61 per share at February 16, 2005, such that marking the warrant liability to “market” at February 16, 2005 resulted in an increase in the estimated fair value of the warrant liability of $142,427 which was recorded as non-cash expense during the first quarter of 2005. The estimated fair value of the warrant liability was then reclassified to additional paid-in capital during the first quarter of 2005.

7. Income Taxes:

As of December 31, 2005, our net deferred tax assets in the U.S. were approximately $38.1 million. Approximately $33.4 million of the deferred tax assets relate principally to net operating loss carryforwards of approximately $91.8 million available to offset future federal taxable income, and net operating loss carryforwards of approximately $39.4 million available to offset future state taxable income, if any, through 2025. An additional $4.3 million relates to tax credit carryforwards (principally research and development) available to reduce future income tax liability after utilization of tax loss carryforwards, if any, through 2025. The remaining $325,000 relates to temporary differences between the carrying amount of assets and liabilities and their tax bases. Due to the uncertainty surrounding the realization of these favorable tax attributes in future tax returns, all of the net deferred tax assets have been fully offset by a valuation allowance at December 31, 2005.

As of December 31, 2005, Cardiosonix had net deferred tax assets in Israel of approximately $2 million, primarily related to net operating loss carryforwards available to offset future taxable income, if any. Under current Israeli tax law, net operating loss carryforwards do not expire. Due to the uncertainty surrounding the realization of these favorable tax attributes in future tax returns, all of the net deferred tax assets have been fully offset by a valuation allowance at December 31, 2005. Since a valuation allowance was recognized for the deferred tax asset for Cardiosonix' deductible temporary differences and operating loss carryforwards at the acquisition date, the tax benefits for those items that are first recognized (that is, by elimination of the valuation allowance) in financial statements after the acquisition date shall be applied (a) first to reduce to zero other noncurrent intangible assets related to the acquisition and (b) second to reduce income tax expense.

Under Sections 382 and 383 of the Internal Revenue Code (IRC) of 1986, as amended, the utilization of U.S. net operating loss and tax credit carryforwards may be limited under the change in stock ownership rules of the IRC. As a result of ownership changes as defined by Sections 382 and 383, which have occurred at various points in our history, we believe utilization of our net operating loss carryfowards and tax credit carryforwards will likely be significantly limited under certain circumstances.

8. Equity:

a. Stock Options: At December 31, 2005, we have three stock-based compensation plans. Under the Amended and Restated Stock Option and Restricted Stock Purchase Plan (the Amended Plan), the 1996 Stock Incentive Plan (the 1996 Plan), and the 2002 Stock Incentive Plan (the 2002 Plan), we may grant incentive stock options, nonqualified stock options, and restricted stock awards to full-time employees, and nonqualified stock options and restricted awards may be granted to our consultants and agents. Total shares authorized under each plan are 2 million shares, 1.5 million shares and 5 million shares, respectively. The Amended Plan was approved by the stockholders in 1994, and although options are still outstanding under this plan, the Amended Plan is considered expired and no new grants may be made from it. Under all three plans, the exercise price of each option is greater than or equal to the closing market price of our common stock on the day prior to the date of the grant.

Options granted under the Amended Plan, the 1996 Plan and the 2002 Plan generally vest on an annual basis over one to three years. Outstanding options under the plans, if not exercised, generally expire ten years from their date of grant or 90 days from the date of an optionee's separation from employment with us.

A summary of the status of stock options under our stock option plans as of December 31, 2005 and 2004, and changes during the years ended on those dates is presented below:

	2005		2004	
	Options	Weighted Average Exercise Price	Options	Weighted Average Exercise Price
Outstanding at beginning of year	4,857,641	$ 0.51	2,931,308	$ 0.56
Granted	993,000	$ 0.40	2,278,000	$ 0.41
Forfeited	(326,667)	$ 1.42	(351,667)	$ 0.30
Exercised	-	-	-	-
Outstanding at end of year	5,523,974	$ 0.44	4,857,641	$ 0.51
Exercisable at end of year	3,394,308	$ 0.46	2,046,321	$ 0.59

Of the options granted during 2004, 250,000 were granted to non-employee consultants. All of these consultant options remain outstanding as of December 31, 2005. During 2004, we recognized $173,000 of research and development expense related to options granted to consultants.

The following table summarizes information about our stock options outstanding at December 31, 2005:

Range of Exercise Prices	Number Outstanding as of December 31, 2005	Weighted Average Remaining Contractual Life	Weighted Average Exercise Price	Number Exercisable as of December 31, 2005	Weighted Average Exercise Price
$0.13 - $ 0.30	1,960,001	6 years	$ 0.24	966,992	$ 0.22
$0.31 - $ 0.41	1,230,500	7 years	$ 0.39	762,507	$ 0.40
$0.42 - $ 0.50	1,468,000	6 years	$ 0.47	1,232,668	$ 0.46
$0.59 - $ 5.63	865,473	7 years	$ 0.89	432,141	$ 1.10
	5,523,974	7 years	$ 0.44	3,394,308	$ 0.46

b. Restricted Stock: At December 31, 2005, we have 130,000 restricted shares outstanding, all of which are pending cancellation due to failure to vest under the terms of issuance of these shares. Restricted shares, if any, generally vest on a change of control of our company as defined in the specific grant agreements. As a result, we have not recorded any deferred compensation related to past grants of restricted stock due to the inability to assess the probability of the vesting event.

c. Stock Warrants: At December 31, 2005, there are 17.0 million warrants outstanding to purchase our common stock. The warrants are exercisable at prices ranging from $0.13 to $0.75 per share with a weighted average exercise price per share of $0.40.

The following table summarizes information about our outstanding warrants at December 31, 2005:

	Exercise Price	Number of Warrants	Expiration Date
Series O	$ 0.75	25,000	October 2006
Series Q	$ 0.13	875,000	April 2008
Series Q	$ 0.50	375,000	March 2009
Series R	$ 0.28	2,808,898	October 2008
Series S	$ 0.28	1,195,478	October 2008
Series T	$ 0.46	10,125,000	December 2009
Series U	$ 0.46	1,600,000	December 2009
	$ 0.40	17,004,376	

d. Common Stock Reserved: We have reserved 42,778,350 shares of authorized common stock for the exercise of all outstanding options, warrants, and convertible debt.

e. Common Stock Purchase Agreement: On November 19, 2001, we entered into a common stock purchase agreement with an investment fund, Fusion Capital Fund II, LLC (Fusion) for the issuance and purchase of our common stock. Under the stock purchase agreement, Fusion committed to purchase up to $10 million of our common stock over a forty-month period that commenced in May 2002. A registration statement registering for resale up to 5 million shares of our common stock became effective on April 15, 2002. Under the terms of the agreement, we can request daily drawdowns, subject to a daily base amount currently set at $12,500. The number of shares we are to issue to Fusion in return for that money will be based on the lower of (a) the closing sale price for our common stock on the day of the draw request or (b) the average of the three lowest closing sales prices for our common stock during a twelve day period prior to the draw request. However, no shares may be sold to Fusion at lower than a floor price currently set at $0.30, which may be reduced by us, but in no case below $0.20 without Fusion's prior consent. Upon execution of the common stock purchase agreement in 2001, we issued 449,438 shares of our common stock to Fusion as a partial payment of the commitment fee. During 2004, we sold Fusion a total of 2,350,000 shares of our common stock and realized net proceeds of $1,468,874. We also issued Fusion 66,129 shares of our common stock for commitment fees related to the sales of our common stock to them during 2004.

f. Private Placement: In November 2003, we executed common stock purchase agreements with certain investors for the purchase of 12,173,914 shares of our common stock at a price of $0.23 per share for net proceeds of $2.4 million. In addition, we issued the purchasers 6,086,959 Series R warrants to purchase our common stock at an exercise price of $0.28 per share, expiring in October 2008, and issued the placement agents 1,354,348 Series S warrants to purchase our common stock on similar terms. During 2005 and 2004, certain investors and placement agents exercised a total of 206,865 and 3,308,327 warrants related to this placement, resulting in the issuance of 206,865 and 3,197,854 shares of our common stock and we realized net proceeds of $57,922 and $871,398, respectively.

9. Shareholder Rights Plan:

During July 1995, our Board of Directors adopted a shareholder rights plan. Under the plan, one "Right" was to be distributed for each share of common stock held by shareholders on the close of business on August 28, 1995. The Rights were exercisable only if a person and its affiliate commenced a tender offer or exchange offer for 15% or more of our common stock, or if there was a public announcement that a person and its affiliate had acquired beneficial ownership of 15% or more of the common stock, and if we did not redeem the Rights during the specified redemption period. Initially, each Right, upon becoming exercisable, would have entitled the holder to purchase from us one unit consisting of $1/100^{th}$ of a share of Series A Junior Participating preferred stock at an exercise price of $35 (which was subject to adjustment). Once the Rights became exercisable, if any person, including its affiliate, acquired 15% or more of our common stock, each Right other than the Rights held by the acquiring person and its affiliate would have become a right to acquire common stock having a value equal to two times the exercise price of the Right. We were entitled to redeem the Rights for $0.01 per Right at any time prior to the expiration of the redemption period. The shareholder rights plan and the Rights expired on August 28, 2005.

10. Segments and Subsidiary Information:

a. Segments: We report information about our operating segments using the "management approach" in accordance with SFAS No. 131, *Disclosures about Segments of an Enterprise and Related Information.* This information is based on the way management organizes and reports the segments within the enterprise for making operating decisions and assessing performance. Our reportable segments are identified based on differences in products, services and markets served. There were no inter-segment sales. We own or have rights to intellectual property involving two primary types of medical device products, including gamma detection instruments currently used primarily in the application of ILM, and blood flow measurement devices. We also own or have rights to intellectual property related to several drug and therapy products.

The information in the following table is derived directly from each reportable segment's financial reporting.

($ amounts in thousands) *2005*	Gamma Detection Devices	Blood Flow Devices	Drug and Therapy Products	Corporate	Total
Net sales:					
United States[1]	$ 5,459	$ 58	$ -	$ -	$ 5,517
International	120	282	-	-	402
Research and development expenses	276	1,414	2,342	-	4,032
Selling, general and administrative expenses, excluding depreciation and amortization[2]	-	-	-	2,572	2,572
Depreciation and amortization	183	401	-	-	584
Income (loss) from operations[3]	2,897	(1,627)	(2,342)	(2,572)	(3,644)
Other income (expense)[4]	-	-	-	(1,285)	(1,285)
Total assets, net of depreciation and amortization:					
United States operations	1,171	318	28	7,734	9,251
Israeli operations (Cardiosonix Ltd.)	-	2,319	-	-	2,319
Capital expenditures	27	58	1	-	86
2004					
Net sales					
United States[1]	$ 5,173	$ -	$ -	$ -	$ 5,173
International	91	89	-	-	180
License and other revenue	600	-	-	-	600
Research and development expenses	404	1,561	489	-	2,454
Selling, general and administrative expenses, excluding depreciation and amortization[2]	-	-	-	2,566	2,566
Depreciation and amortization	173	414	-	-	587
Income (loss) from operations[3]	3,169	(2,113)	(489)	(2,566)	(1,999)
Other income (expense) [4]	-	-	-	(1,542)	(1,542)
Total assets, net of depreciation and amortization:					
United States operations	1,160	64	3	11,240	12,467
Israeli operations (Cardiosonix Ltd.)	-	2,899	-	-	2,899
Capital expenditures	12	22	-	54	88

[1] All sales to EES are made in the United States. EES distributes the product globally through its international affiliates.

[2] Selling, general and administrative costs, excluding depreciation and amortization, represent costs that relate to the general administration of the Company and as such are not currently allocated to our individual reportable segments.

[3] Income (loss) from operations does not reflect the allocation of selling, general and administrative costs to our individual reportable segments.

[4] Amounts consist primarily of interest income and interest expense which are currently not allocated to our individual reportable segments.

b. Subsidiary: On December 31, 2001, we acquired 100 percent of the outstanding common shares of Cardiosonix, an Israeli company. The aggregate purchase price included common stock valued at $4,271,095; payment of vested options of Cardiosonix employees in the amount of $17,966; and acquisition costs of $167,348. We accounted for the acquisition under SFAS No. 141, *Business Combinations*, and certain provisions of SFAS No. 142, *Goodwill and Other Intangible Assets.* The results of Cardiosonix' operations have been included in our consolidated results from the date of acquisition.

As a part of the acquisition, we also entered into a royalty agreement with the three founders of Cardiosonix. Under the terms of the royalty agreement, which expires December 31, 2006, we are obligated to pay the founders an aggregate one percent royalty on up to $120 million in net revenue generated by the sale of Cardiosonix blood flow products through 2006. As of December 31, 2005, approximately $1,000 of royalties were accrued under the royalty agreement.

11. Agreements:

a. Supply Agreements: In December 1997, we entered into an exclusive supply agreement with eV Products (eV), a division of II-VI Incorporated, for the supply of certain crystals and associated electronics to be used in the manufacture of our proprietary line of hand-held gamma detection instruments. The original term of the agreement expired on December 31, 2002 and was automatically extended during 2002 through December 31, 2005; however, the agreement was no longer exclusive throughout the extended period. Total purchases under the supply agreement were $430,000 and $555,000 for the years ended December 31, 2005 and 2004, respectively. We have issued purchase orders for $347,000 of crystal modules for delivery of product through September 2006 under the same terms as the original agreement.

In February 2004, we entered into a product supply agreement with TriVirix International (TriVirix) for the manufacture of the neo2000 control unit, 14mm probe, 11mm laparoscopic probe, Quantix/OR™ control unit and Quantix/ND™ control unit. The initial term of the agreement expires in January 2007, but may be automatically extended for successive one-year periods. Either party has the right to terminate the agreement at any time upon one hundred eighty (180) days prior written notice, or may terminate the agreement upon a material breach or repeated non-material breaches by the other. Total purchases under the product supply agreement were $1.1 million and $1.2 million for the years ended December 31, 2005 and 2004, respectively. We have issued purchase orders for $1.5 million of our products for delivery through December 2006.

b. Marketing and Distribution Agreement: During 1999, we entered into a distribution agreement with EES covering our gamma detection devices used in ILM. The initial five-year term expired December 31, 2004, with options to extend for two successive two-year terms. See Note 16(a). Under the agreement, we manufacture and sell our current line of ILM products exclusively to EES, who distributes the products globally, except in Japan. EES agreed to purchase minimum quantities of our products over the first three years of the term of the agreement and to reimburse us for certain research and development costs and a portion of our warranty costs. We are obligated to continue certain product maintenance activities and to provide ongoing regulatory support for the products.

EES may terminate the agreement if we fail to supply products for specified periods, commit a material breach of the agreement, suffer a change of control to a competitor of EES, or become insolvent. If termination were due to failure to supply or a material breach by us, EES would have the right to use our intellectual property and regulatory information to manufacture and sell the products exclusively on a global basis for the remaining term of the agreement with no additional financial obligation to us. If termination is due to insolvency or a change of control that does not affect supply of the products, EES has the right to continue to sell the products on an exclusive global basis for a period of six months or require us to repurchase any unsold products in its inventory.

Under the agreement, EES received a non-exclusive worldwide license to our ILM intellectual property to make and sell other products that may be developed using our ILM intellectual property. The term of the license is the same as that of the agreement. EES paid us a non-refundable license fee of $4 million. We recognized the license fee as revenue on a straight-line basis over the five-year initial term of the agreement, and the license fee was fully amortized into income as of the end of September 2004. If we terminate the agreement as a result of a material breach by EES, they would be required to pay us a royalty on all products developed and sold by EES using our ILM intellectual property. In addition, we are entitled to a royalty on any ILM product commercialized by EES that does not infringe any of our existing intellectual property.

c. **Research and Development Agreements:** Cardiosonix' research and development efforts have been partially financed through grants from the Office of the Chief Scientist of the Israeli Ministry of Industry and Trade (the OCS). Through the end of 2004, Cardiosonix received a total $775,000 in grants from the OCS. In return for the OCS's participation, Cardiosonix is committed to pay royalties to the Israeli Government at a rate of 3% to 5% of the sales if its products, up to 300% of the total grants received, depending on the portion of manufacturing activity that takes place in Israel. There are no future performance obligations related to the grants received from the OCS. However, under certain limited circumstances, the OCS may withdraw its approval of a research program or amend the terms of its approval. Upon withdrawal of approval, Cardiosonix may be required to refund the grant, in whole or in part, with or without interest, as the OCS determines. In January 2006, the OCS consented to the transfer of manufacturing as long as we comply with the terms of the OCS statutes under Israeli law. As long as we maintain at least 10% Israeli content in our blood flow devices, we will pay a royalty rate of 4% on sales of applicable blood flow devices and must repay the OCS a total of $1.2 million in royalties. However, should the amount of Israeli content of our blood flow device products decrease below 10%, the royalty rate could increase to 5% and the total royalty payments due could increase to $2.3 million. As such, the total amount we will have to repay the OCS will likely be 150% to 300% of the amounts of the original grants. Through December 2005, we have paid the OCS a total of $22,000 in royalties related to sales of products developed under this program. As of December 31, 2005, we have accrued obligations for royalties totaling $2,000.

During January 2002, we completed a license agreement with the University of California, San Diego (UCSD) for a proprietary compound that we believe could be used as a lymph node locating agent in ILM procedures. The license agreement is effective until the later of the expiration date of the longest-lived underlying patent or January 30, 2023. Under the terms of the license agreement, UCSD has granted us the exclusive rights to make, use, sell, offer for sale and import licensed products as defined in the agreement and to practice the defined licensed methods during the term of the agreement. We may also sublicense the patent rights, subject to the approval of certain sublicense terms by UCSD. In consideration for the license rights, we agreed to pay UCSD a license issue fee of $25,000 and license maintenance fees of $25,000 per year. We also agreed to pay UCSD milestone payments related to successful regulatory clearance for marketing of the licensed products, a royalty on net sales of licensed products subject to a $25,000 minimum annual royalty, fifty percent of all sublicense fees and fifty percent of sublicense royalties. We also agreed to reimburse UCSD for all patent-related costs. Total costs related to the UCSD license agreement were $44,000 and $87,000 in 2005 and 2004, respectively, and were recorded in research and development expenses.

UCSD has the right to terminate the agreement or change the nature of the agreement to a non-exclusive agreement if it is determined that we have not been diligent in developing and commercializing the covered products, marketing the products within six months of receiving regulatory approval, reasonably filling market demand or obtaining all the necessary government approvals.

During April 2005, we completed an evaluation license agreement with UCSD expanding the field of use for the proprietary compound developed by UCSD researchers. The expanded field of use will allow Lymphoseek to be developed as an optical or ultrasound agent. The evaluation license agreement is effective until March 31, 2007. Under the terms of the agreement, UCSD has granted us limited rights to make and use licensed products as defined in the agreement and to practice the defined licensed methods during the term of the agreement for the sole purpose of evaluating our interest in negotiating a commercial license. We may also sublicense the patent rights, subject to the approval of certain sublicense terms by UCSD. In consideration for the license rights, we agreed to pay UCSD an evaluation license fee of $36,000 and evaluation license maintenance fees of $9,000 payable on the first year anniversary of the effective date, $9,000 payable on the eighteen-month anniversary of the effective date, and $18,000 payable prior to termination. We also agreed to pay UCSD fifty percent of any sublicense fees and to reimburse UCSD for all patent-related costs. Total costs related to the UCSD evaluation license agreement were $36,000 in 2005, and were recorded in research and development expenses.

During January 2005, we executed a license agreement with the Ohio State University (OSU), Cira LLC, and Cira Bio for certain technology relating to activated cellular therapy. The license agreement is effective until the expiration date of the longest-lived underlying patent. Under the terms of the license agreement, OSU has granted the licensees the exclusive rights to make, have made, use, lease, sell and import licensed products as defined in the agreement and to utilize the defined licensed practices. We may also sublicense the patent rights. In consideration for the license rights, we agreed to pay OSU a license fee of $5,000 on January 31, 2006. We also agreed to pay OSU additional license fees related to initiation of Phase 2 and Phase 3 clinical trials, a royalty on net sales of licensed products subject to a minimum annual royalty of $100,000 beginning in 2012, and a percentage of any non-royalty license income. Also during January 2005, we completed a business venture agreement with Cira LLC that defines each party's responsibilities and commitments with respect to Cira Bio and the license agreement with OSU.

d. Employment Agreements: We maintain employment agreements with six of our officers. The employment agreements contain change in control provisions that would entitle each of the officers to one to two times their current annual salaries, vest outstanding restricted stock and options to purchase common stock, and continue certain benefits if there is a change in control of our company (as defined) and their employment terminates. Our maximum contingent liability under these agreements in such an event is approximately $1.9 million. The employment agreements also provide for severance, disability and death benefits. See Note 16(b).

12. Leases:

We lease certain office equipment under capital leases which expire from 2007 to 2009. In August 2003, we entered into an operating lease agreement for office space, which originally expired in September 2006. In February 2005, we entered into another operating lease agreement for additional office space expiring in January 2008. The February 2005 lease agreement also extended the term of the original lease through January 2008.

In April 2002, Cardiosonix entered into an operating sublease agreement for office and parking space that expired in April 2004. In June 2004, Cardiosonix entered into a new operating sublease agreement for office space that expired in June 2005. In July 2004, Cardiosonix entered into a sublease agreement for parking space that expired in June 2005, and automatically renewed until either party terminated the agreement. The Cardiosonix office space and parking space subleases expired in January 2006.

The future minimum lease payments for the years ending December 31 are as follows:

	Capital Leases	Operating Leases
2006	$ 24,769	$ 100,771
2007	18,008	100,129
2008	15,889	8,561
2009	2,485	-
2010	-	-
	61,151	$ 209,461
Less amount representing interest	9,766	
Present value of net minimum lease payments	51,385	
Less current portion	19,530	
Capital lease obligations, excluding current portion	$ 31,855	

Total rental expense was $221,000 and $218,000 for the years ended December 31, 2005 and 2004, respectively.

13. Employee Benefit Plan:

We maintain an employee benefit plan under Section 401(k) of the Internal Revenue Code. The plan allows employees to make contributions and we may, but are not obligated to, match a portion of the employee's contribution with our common stock, up to a defined maximum. We accrued expenses of $27,000 and $19,000 during 2005 and 2004, respectively, related to common stock to be subsequently contributed to the plan.

14. Supplemental Disclosure for Statements of Cash Flows:

We paid interest aggregating $677,000 and $52,000 for the years ended December 31, 2005 and 2004, respectively. During 2005 and 2004, we purchased equipment under capital leases totaling $23,000 and $27,000, respectively. During 2005 and 2004, we transferred $17,000 and $22,000, respectively, in inventory to fixed assets related to the creation and maintenance of a pool of service loaner equipment. Also during 2005 and 2004, we prepaid $243,000 and $277,000, respectively, in insurance through the issuance of notes payable to finance companies with weighted average interest rates of 6% and 5%, respectively. The note payable to a finance company issued in 2005 matures in September 2006.

15. Contingencies:

We are subject to legal proceedings and claims that arise in the ordinary course of business. In our opinion, the amount of ultimate liability, if any, with respect to these actions will not materially affect our financial position.

16. Subsequent Events:

a. Distribution Agreement: In March 2006, EES exercised its option for a second two-year term extension of the distribution agreement covering our gamma detection devices, thus extending the distribution agreement through the end of 2008. See Note 11(b).

b. Employment Agreements: Effective January 1, 2006, we entered into new employment agreements with two executive officers. The new agreements have substantially similar terms to the previous agreements. See Note 11(d).

17. Supplemental Information (Unaudited):

The following summary financial data are derived from our consolidated financial statements that have been audited by our independent registered public accounting firm. These data are qualified in their entirety by, and should be read in conjunction with, our Consolidated Financial Statements and Notes thereto included herein.

(Amounts in thousands, except per share data)	Years Ended December 31,				
	2005	2004	2003	2002	2001
Statement of Operations Data:					
Net sales	$ 5,919	$ 5,353	$ 5,564	$ 3,383	$ 6,764
License and other revenue	-	600	946	1,538	1,428
Gross profit	3,543	3,608	3,385	2,570	3,802
Research and development expenses	4,032	2,454	1,894	2,324	948
Selling, general and administrative expenses	3,156	3,153	3,103	3,267	2,321
Acquired in-process research and development	-	-	-	(28)	885
(Loss) income from operations	(3,644)	(1,999)	(1,611)	(2,993)	(352)
Other (expenses) income	(1,285)	(1,542)	(188)	29	370
Net (loss) income	$ (4,929)	$ (3,541)	$ (1,799)	$ (2,964)	$ 15
(Loss) income per common share:					
Basic	$ (0.08)	$ (0.06)	$ (0.04)	$ (0.08)	$ 0.00
Diluted	$ (0.08)	$ (0.06)	$ (0.04)	$ (0.08)	$ 0.00
Shares used in computing (loss) income per common share: [1]					
Basic	58,434	56,764	40,338	36,045	25,899
Diluted	58,434	56,764	40,338	36,045	26,047

	As of December 31,				
	2005	2004	2003	2002	2001
Balance Sheet Data:					
Total assets	$ 11,570	$ 15,366	$ 7,385	$ 7,080	$ 11,329
Long-term obligations	6,052	8,192	585	1,169	1,981
Accumulated deficit	(130,947)	(126,018)	(122,477)	(120,678)	(117,714)

[1] Basic earnings (loss) per share are calculated using the weighted average number of common shares outstanding during the periods. Diluted earnings (loss) per share is calculated using the weighted average number of common shares outstanding during the periods, adjusted for the effects of convertible securities, options and warrants, if dilutive.

Neoprobe Corporation and Subsidiaries
Consolidated Balance Sheets

	September 30, 2006 (unaudited)	December 31, 2005
ASSETS		
Current assets:		
Cash and cash equivalents	$ 3,643,217	$ 4,940,946
Available-for-sale securities	-	1,529,259
Accounts receivable, net	662,793	673,008
Inventory	1,045,914	803,703
Prepaid expenses and other	103,997	501,557
Total current assets	5,455,921	8,448,473
Property and equipment	2,178,894	2,051,793
Less accumulated depreciation and amortization	1,857,546	1,768,558
	321,348	283,235
Patents and trademarks	3,180,318	3,162,547
Acquired technology	237,271	237,271
	3,417,589	3,399,818
Less accumulated amortization	1,494,657	1,300,908
	1,922,932	2,098,910
Other assets	573,668	739,823
Total assets	$ 8,273,869	$ 11,570,441

Continued

Neoprobe Corporation and Subsidiaries
Consolidated Balance Sheets, continued

	September 30, 2006 (unaudited)	December 31, 2005
LIABILITIES AND STOCKHOLDERS' EQUITY		
Current liabilities:		
Accounts payable	$ 443,564	$ 207,824
Accrued liabilities and other	259,115	821,781
Capital lease obligations, current	16,387	19,530
Deferred revenue, current	315,698	252,494
Notes payable to finance companies	-	200,054
Total current liabilities	1,034,764	1,501,683
Capital lease obligations	20,554	31,855
Deferred revenue	37,270	41,132
Note payable to CEO, net of discount of $20,948 and $26,249, respectively	79,052	73,751
Note payable to investor, net of discount of $1,675,853 and $2,099,898, respectively	6,324,147	5,900,102
Other liabilities	3,285	5,122
Total liabilities	7,499,072	7,553,645
Commitments and contingencies		
Stockholders' equity:		
Preferred stock; $.001 par value; 5,000,000 shares authorized at September 30, 2006 and December 31, 2005; none issued and outstanding		
Common stock; $.001 par value; 150,000,000 shares authorized, 58,690,046 shares issued and outstanding at September 30, 2006; 58,622,059 shares issued and outstanding at December 31, 2005	58,690	58,622
Additional paid-in capital	135,108,648	134,903,259
Accumulated deficit	(134,392,541)	(130,947,103)
Accumulated other comprehensive income	-	2,018
Total stockholders' equity	774,797	4,016,796
Total liabilities and stockholders' equity	$ 8,273,869	$ 11,570,441

See accompanying notes to the consolidated financial statements.

Neoprobe Corporation and Subsidiaries
Consolidated Statements of Operations
(unaudited)

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2006	**2005**	**2006**	**2005**
Net sales	$ 957,952	$ 1,333,536	$ 4,179,861	$ 4,500,301
Cost of goods sold	403,190	532,601	1,741,172	1,738,157
Gross profit	554,762	800,935	2,438,689	2,762,144
Operating expenses:				
Research and development	1,241,899	1,106,242	2,718,655	3,048,056
Selling, general and administrative	651,419	689,030	2,257,714	2,352,977
Total operating expenses	1,893,318	1,795,272	4,976,369	5,401,033
Loss from operations	(1,338,556)	(994,337)	(2,537,680)	(2,638,889)
Other income (expenses):				
Interest income	56,520	57,596	184,511	166,475
Interest expense	(371,013)	(340,366)	(1,090,973)	(1,001,844)
Increase in warrant liability	-	-	-	(142,427)
Other	(3,318)	(7,360)	(1,296)	(14,964)
Total other expenses	(317,811)	(290,130)	(907,758)	(992,760)
Net loss	$ (1,656,367)	$ (1,284,467)	$ (3,445,438)	$ (3,631,649)
Net loss per common share:				
Basic	$ (0.03)	$ (0.02)	$ (0.06)	$ (0.06)
Diluted	$ (0.03)	$ (0.02)	$ (0.06)	$ (0.06)
Weighted average shares outstanding:				
Basic	58,560,046	58,469,103	58,543,859	58,414,293
Diluted	58,560,046	58,469,103	58,543,859	58,414,293

See accompanying notes to the consolidated financial statements.

Neoprobe Corporation and Subsidiaries
Consolidated Statements of Cash Flows
(unaudited)

	Nine Months Ended September 30,	
	2006	**2005**
Cash flows from operating activities:		
Net loss	$ (3,445,438)	$ (3,631,649)
Adjustments to reconcile net loss to net cash used in operating activities:		
Depreciation and amortization	301,877	457,986
Amortization of debt discount and offering costs	595,500	504,819
Increase in warrant liability	-	142,427
Stock option expense	178,844	-
Other	30,146	386
Changes in operating assets and liabilities:		
Accounts receivable	10,215	(462,757)
Inventory	(319,433)	22,236
Prepaid expenses and other assets	424,560	258,636
Accounts payable	235,740	108,282
Accrued liabilities and other liabilities	(564,501)	(27,402)
Deferred revenue	59,342	110,935
Net cash used in operating activities	(2,493,148)	(2,516,101)
Cash flows from investing activities:		
Purchases of available-for-sale securities	-	(5,480,787)
Maturities of available-for-sale securities	1,531,000	2,000,000
Purchases of property and equipment	(71,282)	(71,011)
Proceeds from sales of property and equipment	4,097	11,049
Patent and trademark costs	(26,898)	(17,208)
Net cash provided by (used in) investing activities	1,436,917	(3,557,957)
Cash flows from financing activities:		
Proceeds from issuance of common stock	-	57,922
Payment of debt issuance costs	(30,000)	(29,635)
Payment of notes payable	(197,054)	(225,012)
Payments under capital leases	(14,444)	(11,124)
Other	-	20
Net cash used in financing activities	(241,498)	(207,829)
Net decrease in cash and cash equivalents	(1,297,729)	(6,281,887)
Cash and cash equivalents, beginning of period	4,940,946	9,842,658
Cash and cash equivalents, end of period	$ 3,643,217	$ 3,560,771

See accompanying notes to the consolidated financial statements.

Notes to the Consolidated Financial Statements
(unaudited)

1. Basis of Presentation

The information presented as of September 30, 2006 and 2005 and for the three-month and nine-month periods then ended is unaudited, but includes all adjustments (which consist only of normal recurring adjustments) that the management of Neoprobe Corporation (Neoprobe, the Company, or we) believes to be necessary for the fair presentation of results for the periods presented. Certain information and footnote disclosures normally included in financial statements prepared in accordance with U.S. generally accepted accounting principles have been condensed or omitted pursuant to the rules and regulations of the U.S. Securities and Exchange Commission. The results for the interim periods are not necessarily indicative of results to be expected for the year. The consolidated financial statements should be read in conjunction with Neoprobe's audited consolidated financial statements for the year ended December 31, 2005, which were included as part of our Annual Report on Form 10-KSB.

Our consolidated financial statements include the accounts of Neoprobe, our wholly-owned subsidiary, Cardiosonix Ltd. (Cardiosonix), and our 90%-owned subsidiary, Cira Biosciences, Inc. (Cira Bio). All significant inter-company accounts were eliminated in consolidation.

2. Stock-Based Compensation

Effective January 1, 2006, we adopted Statement of Financial Accounting Standards (SFAS) No. 123(R), *Share-Based Payment*, which is a revision of SFAS No. 123, *Accounting for Stock-Based Compensation*. SFAS No. 123(R) supersedes APB Opinion No. 25, *Accounting for Stock Issued to Employees*, and amends SFAS No. 95, *Statement of Cash Flows*. Generally, the approach in SFAS No. 123(R) is similar to the approach described in SFAS No. 123. However, SFAS No. 123(R) requires all share-based payments to employees, including grants of employee stock options, to be recognized in the income statement based on their estimated fair values.

We are applying the modified prospective method for recognizing the expense over the remaining vesting period for awards that were outstanding but unvested as of January 1, 2006. Under the modified prospective method, we have not adjusted the financial statements for periods ending prior to January 1, 2006. Under the modified prospective method, the adoption of SFAS No. 123(R) applies to new awards and to awards modified, repurchased, or cancelled after December 31, 2005, as well as to the unvested portion of awards outstanding as of January 1, 2006.

We are continuing to use the Black-Scholes option pricing model to value share-based payments. Compensation cost arising from stock-based awards is recognized as expense using the straight-line method over the vesting period. As of September 30, 2006, there was approximately $91,000 of total unrecognized compensation cost related to unvested stock-based awards, which we expect to recognize over remaining weighted average vesting terms of 1.3 years. For the three-month and nine-month periods ended September 30, 2006, our total stock-based compensation expense was $40,000 and $179,000, respectively. We have not recorded any income tax benefit related to stock-based compensation in any of the three-month and nine-month periods ended September 30, 2006 and 2005.

As permitted by SFAS No. 123, prior to 2006 Neoprobe accounted for share-based payments to employees using APB Opinion No. 25's intrinsic value method and, as such, generally recognized no compensation cost for employee stock options. The following table illustrates the effect on net loss and net loss per share for the three-month and nine-month periods ended September 30, 2005 as if compensation cost for our stock-based compensation plans had been determined based on the fair value at the grant dates for awards under those plans consistent with SFAS No. 123.

	Three Months Ended September 30, 2005	Nine Months Ended September 30, 2005
Net loss, as reported	$ (1,284,467)	$ (3,631,649)
Deduct: Total stock-based employee compensation expense determined under fair value based method for all awards	(95,196)	(400,966)
Pro forma net loss	$ (1,379,663)	$ (4,032,615)
Loss per common share:		
As reported (basic and diluted)	$ (0.02)	$ (0.06)
Pro forma (basic and diluted)	$ (0.02)	$ (0.07)

A summary of the status of stock options under our stock option plans as of September 30, 2006, and changes during the nine-month period then ended is presented below:

	Number of Options	Weighted Average Exercise Price	Weighted Average Remaining Contractual Life	Aggregate Intrinsic Value
Outstanding, January 1, 2006	5,523,974	$ 0.44		
Granted	-	-		
Exercised	-	-		
Forfeited	(168,501)	$ 0.32		
Expired	-	-		
Outstanding, September 30, 2006	5,355,473	$ 0.44	5.9 years	-
Exercisable, September 30, 2006	4,110,640	$ 0.47	5.7 years	-

During the first nine months of 2005, the Board of Directors granted options to directors and certain employees to purchase 338,000 shares of our common stock, exercisable at an average price of $0.67 per share, vesting over one to three years.

At September 30, 2006, we had 130,000 restricted shares outstanding with a weighted average grant-date fair value of $7.84, all of which are pending cancellation due to failure to vest under the terms of issuance of these shares.

3. Comprehensive Income (Loss)

Due to our net operating loss position, there are no income tax effects on comprehensive income (loss) components for the three-month and nine-month periods ended September 30, 2006 and 2005.

	Three Months Ended September 30, 2006	Three Months Ended September 30, 2005
Net loss	$ (1,656,367)	$ (1,284,467)
Unrealized gains on securities	-	3,370
Other comprehensive loss	$ (1,656,367)	$ (1,281,097)

	Nine Months Ended September 30, 2006	Nine Months Ended September 30, 2005
Net loss	$ (3,445,438)	$ (3,631,649)
Unrealized losses on securities	(2,018)	(2,790)
Other comprehensive loss	$ (3,447,456)	$ (3,634,439)

4. Earnings Per Share

Basic earnings (loss) per share is calculated using the weighted average number of common shares outstanding during the periods. Diluted earnings (loss) per share is calculated using the weighted average number of common shares outstanding during the periods, adjusted for the effects of convertible securities, options and warrants, if dilutive.

	Three Months Ended September 30, 2006		Three Months Ended September 30, 2005	
	Basic Earnings Per Share	Diluted Earnings Per Share	Basic Earnings Per Share	Diluted Earnings Per Share
Outstanding shares	58,690,046	58,690,046	58,622,059	58,622,059
Effect of weighting changes in outstanding shares	-	-	(22,956)	(22,956)
Contingently issuable shares	(130,000)	(130,000)	(130,000)	(130,000)
Adjusted shares	58,560,046	58,560,046	58,469,103	58,469,103

	Nine Months Ended September 30, 2006		Nine Months Ended September 30, 2005	
	Basic Earnings Per Share	Diluted Earnings Per Share	Basic Earnings Per Share	Diluted Earnings Per Share
Outstanding shares	58,690,046	58,690,046	58,622,059	58,622,059
Effect of weighting changes in outstanding shares	(16,187)	(16,187)	(77,766)	(77,766)
Contingently issuable shares	(130,000)	(130,000)	(130,000)	(130,000)
Adjusted shares	58,543,859	58,543,859	58,414,293	58,414,293

There is no difference in basic and diluted loss per share related to the three-month and nine-month periods ended September 30, 2006 and 2005. The net loss per common share for these periods excludes 41,365,016 and 40,316,695, respectively, of common shares issuable upon exercise of outstanding stock options and warrants into our common stock or upon the conversion of convertible debt since such inclusion would be anti-dilutive.

5. Inventory

We capitalize certain inventory costs associated with our Lymphoseek® product prior to regulatory approval and product launch, based on management's judgment of probable future commercial use and net realizable value. We could be required to permanently write down previously capitalized costs related to pre-approval or pre-launch inventory upon a change in such judgment, due to a denial or delay of approval by regulatory bodies, a delay in commercialization, or other potential factors. Conversely, our gross margins may be favorably impacted if some or all of the inventory previously written down becomes available and is used for commercial sale. During the three-month period ended September 30, 2006, we capitalized $48,000 in inventory costs associated with our Lymphoseek product.

The components of inventory are as follows:

	September 30, 2006	December 31, 2005
	(unaudited)	
Materials and component parts	$ 424,648	$ 461,218
Finished goods	621,266	342,485
	$ 1,045,914	$ 803,703

6. Intangible Assets

The major classes of intangible assets are as follows:

		September 30, 2006		December 31, 2005	
	Wtd Avg Life	Gross Carrying Amount	Accumulated Amortization	Gross Carrying Amount	Accumulated Amortization
Patents and trademarks	9.8 yrs	$ 3,180,318	$ 1,333,230	$ 3,162,547	$ 1,164,763
Acquired technology	2.3 yrs	237,271	161,427	237,271	136,145
Total		$ 3,417,589	$ 1,494,657	$ 3,399,818	$ 1,300,908

The estimated future amortization expenses for the next five fiscal years are as follows:

	Estimated Amortization Expense
For the year ended 12/31/2006	$ 262,992
For the year ended 12/31/2007	226,830
For the year ended 12/31/2008	201,976
For the year ended 12/31/2009	168,267
For the year ended 12/31/2010	168,267

7. Product Warranty

We warrant our products against defects in design, materials, and workmanship generally for a period of one year from the date of sale to the end customer, except in cases where the product has a limited use as designed. Our accrual for warranty expenses is adjusted periodically to reflect actual experience. Our primary marketing partner, Ethicon Endo-Surgery, Inc. (EES), a Johnson & Johnson company, also reimburses us for a portion of warranty expense incurred based on end customer sales they make during a given fiscal year. Payments charged against the reserve are disclosed net of EES' estimated reimbursement.

The activity in the warranty reserve account for the three-month and nine-month periods ended September 30, 2006 and 2005 is as follows:

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2006	2005	2006	2005
Warranty reserve at beginning of period	$ 42,665	$ 48,595	$ 41,185	$ 66,000
Provision for warranty claims and changes in reserve for warranties	4,812	12,117	28,086	42,730
Payments charged against the reserve	(10,304)	(12,117)	(32,098)	(60,135)
Warranty reserve at end of period	$ 37,173	$ 48,595	$ 37,173	$ 48,595

8. Notes Payable

In December 2004, we completed a private placement of four-year convertible promissory notes in an aggregate principal amount of $8.1 million with Biomedical Value Fund, L.P., Biomedical Offshore Value Fund, Ltd. and David C. Bupp (our President and CEO). Biomedical Value Fund, L.P. and Biomedical Offshore Value Fund, Ltd. are funds managed by Great Point Partners, LLC. The notes bear interest at 8% per annum, payable quarterly on each March 31, June 30, September 30 and December 31 of each year, and are freely convertible into shares of our common stock at a price of $0.40 per share. Neoprobe may force conversion of the notes prior to their stated maturity under certain circumstances. All of our material assets, except the intellectual property associated with our Lymphoseek® and RIGS® products under development, have been pledged as collateral for these notes.

In addition to the security interest in our assets, the notes carry substantial covenants that impose significant requirements on us, including, among others, requirements that: we pay all principal, interest and other charges on the notes when due; we use the proceeds from the sale of the notes only for permitted purposes such as Lymphoseek development and general corporate purposes; we nominate and recommend for election as a director a person designated by the holders of the notes (as of September 30, 2006, the holders of the notes have not designated a potential board member); we keep reserved out of our authorized shares of common stock sufficient shares to satisfy our obligation to issue shares on conversion of the notes and the exercise of the warrants issued in connection with the sale of the notes; we achieve annual revenues on a consolidated basis of at least $6.5 million in 2006 and $9.0 million in each year thereafter; we maintain minimum cash balances of $3.5 million at June 30, 2006 and at the end of each six-month period thereafter; and we indemnify the purchasers of the notes against certain liabilities. Additionally, with certain exceptions, the notes prohibit us from: amending our organizational or governing agreements and documents, entering into any merger or consolidation, dissolving the company or liquidating its assets, or acquiring all or any substantial part of the business or assets of any other person; engaging in transactions with any affiliate; entering into any agreement inconsistent with our obligations under the notes and related agreements; incurring any indebtedness, capital leases, or contingent obligations outside the ordinary course of business; granting or permitting liens against or security interests in our assets; making any material dispositions of our assets outside the ordinary course of business; declaring or paying any dividends or making any other restricted payments; or making any loans to or investments in other persons outside of the ordinary course of business.

As part of this transaction, we issued the investors 10,125,000 Series T warrants to purchase our common stock at an exercise price of $0.46, expiring in December 2009. The fair value of the warrants issued to the investors was $1,315,000 on the date of issuance and was determined by a third-party valuation expert using the Black-Scholes option pricing model with the following assumptions: an average risk-free interest rate of 3.4%, volatility of 50% and no expected dividend rate. In connection with this financing, we also issued 1,600,000 warrants to purchase our common stock to the placement agents, containing substantially the same terms as the warrants issued to the investors. The fair value of the warrants issued to the placement agents was $208,014 using the Black-Scholes option pricing model with the same assumptions used to determine the fair value of the warrants issued to the investors. The value of the beneficial conversion feature of the notes was estimated at $1,315,000 based on the effective conversion price at the date of issuance. The fair value of the warrants issued to the investors and the value of the beneficial conversion feature were recorded as discounts on the note and are being amortized over the term of the notes using an effective interest rate of 19.8%. The fair value of the warrants issued to the placement agents was recorded as a deferred debt issuance cost and is being amortized over the term of the notes. If we issue equity at prices below the conversion rate for the promissory notes (and for the warrants below the exercise price), then we would be required to reset the exercise and conversion prices for these securities. This provision results in a contingent beneficial conversion feature that may require us to estimate an additional debt discount if a reset occurs.

U.S. generally accepted accounting principles also required us to classify the warrants issued in connection with the placement as a liability due to penalty provisions contained in the securities purchase agreement. The penalty provisions could have required us to pay a penalty of 0.0667% per day of the total debt amount if we failed to meet certain registration deadlines, or if our stock was suspended from trading for more than 30 days. As a liability, the warrants were considered a derivative instrument that were required to be periodically “marked to market” on our consolidated balance sheet. We estimated the fair value of the warrants at December 31, 2004 using the Black-Scholes option pricing model with the following assumptions: an average risk-free interest rate of 3.4%, volatility of 50% and no expected dividend rate. On February 16, 2005, Neoprobe and the investors confirmed in writing their intention that the penalty provisions which led to this accounting treatment were intended to apply only to the $8.1 million principal balance of the promissory notes and underlying conversion shares and not to the warrant shares. Because the value of our stock increased $0.02 per share from $0.59 per share at December 31, 2004 to $0.61 per share at February 16, 2005, the effect of marking the warrant liability to “market” resulted in an increase in the estimated fair value of the warrant liability of $142,427 which was recorded as non-cash expense during the first quarter of 2005. The estimated fair value of the warrant liability was then reclassified to additional paid-in capital during the first quarter of 2005.

9. Stock Warrants

During the first nine months of 2005, 143,278 of our Series R and 63,587 of our Series S warrants that were issued in October 2003 were exercised and we realized net proceeds of $57,922. No warrants were exercised during the first nine months of 2006.

At September 30, 2006 there are 17.0 million warrants outstanding to purchase our common stock. The warrants are exercisable at prices ranging from $0.13 to $0.75 per share with a weighted average exercise price $0.40 per share.

10. Segment and Subsidiary Information

We report information about our operating segments using the "management approach" in accordance with SFAS No. 131, *Disclosures about Segments of an Enterprise and Related Information.* This information is based on the way management organizes and reports the segments within the enterprise for making operating decisions and assessing performance. Our reportable segments are identified based on differences in products, services and markets served. There were no inter-segment sales. We own or have rights to intellectual property involving two primary types of medical device products, including gamma detection instruments currently used primarily in the application of sentinel lymph node biopsy (SLNB), and blood flow measurement devices. We also own or have rights to intellectual property related to several drug and therapy products.

The information in the following table is derived directly from each segment's financial reporting.

($ amounts in thousands) **Three Months Ended September 30, 2006**	**Gamma Detection Devices**	**Blood Flow Devices**	**Drug and Therapy Products**	**Corporate**	**Total**
Net sales:					
United States[1]	$ 877	$ 16	$ -	$ -	$ 893
International	51	14	-	-	65
Research and development expenses	279	131	832	-	1,242
Selling, general and administrative expenses, excluding depreciation and amortization[2]	-	-	-	547	547
Depreciation and amortization	24	66	-	15	105
Income (loss) from operations[3]	294	(239)	(832)	(562)	(1,339)
Other income (expenses)[4]	-	-	-	(318)	(318)
Total assets, net of depreciation and amortization:					
United States operations	1,272	538	109	4,356	6,275
Israeli operations (Cardiosonix Ltd.)	-	1,999	-	-	1,999
Capital expenditures	33	5	-	10	48
Three Months Ended September 30, 2005					
Net sales:					
United States[1]	$ 1,237	$ -	$ -	$ -	$ 1,237
International	38	58	-	-	96
Research and development expenses	79	302	725	-	1,106
Selling, general and administrative expenses, excluding depreciation and amortization[2]	-	-	-	532	532
Depreciation and amortization	33	110	-	14	157
Income (loss) from operations[3]	659	(382)	(725)	(546)	(994)
Other income (expenses)[4]	-	-	-	(290)	(290)
Total assets, net of depreciation and amortization:					
United States operations	1,449	238	28	8,072	9,787
Israeli operations (Cardiosonix Ltd.)	-	2,492	-	-	2,492
Capital expenditures	-	8	-	19	27

Notes to the Consolidated Financial Statements
(unaudited)

($ amounts in thousands) **Nine Months Ended September 30, 2006**	**Gamma Detection Devices**	**Blood Flow Devices**	**Drug and Therapy Products**	**Corporate**	**Total**
Net sales:					
United States[1]	$ 3,608	$ 68	$ -	$ -	$ 3,676
International	179	325	-	-	504
Research and development expenses	626	589	1,504	-	2,719
Selling, general and administrative expenses, excluding depreciation and amortization[2]	-	-	-	1,956	1,956
Depreciation and amortization	74	184	-	44	302
Income (loss) from operations[3]	1,600	(634)	(1,504)	(2,000)	(2,538)
Other income (expenses) [4]	-	-	-	(908)	(908)
Total assets, net of depreciation and amortization:					
United States operations	1,272	538	109	4,356	6,275
Israeli operations (Cardiosonix Ltd.)	-	1,999	-	-	1,999
Capital expenditures	33	7	-	31	71
Nine Months Ended September 30, 2005					
Net sales:					
United States[1]	$ 4,186	$ 56	$ -	$ -	$ 4,242
International	97	161	-	-	258
Research and development expenses	201	1,042	1,805	-	3,048
Selling, general and administrative expenses, excluding depreciation and amortization[2]	-	-	-	1,895	1,895
Depreciation and amortization	97	317	1	43	458
Income (loss) from operations[3]	2,340	(1,235)	(1,806)	(1,938)	(2,639)
Other income (expenses) [4]	-	-	-	(993)	(993)
Total assets, net of depreciation and amortization:					
United States operations	1,449	238	28	8,072	9,787
Israeli operations (Cardiosonix Ltd.)	-	2,492	-	-	2,492
Capital expenditures	-	40	1	30	71

1 All sales to EES are made in the United States. EES distributes the product globally through its international affiliates.

2 Selling, general and administrative expenses, excluding depreciation and amortization, represent expenses that relate to the general administration of the Company and as such are not currently allocated to our individual reportable segments.

3 Income (loss) from operations does not reflect the allocation of selling, general and administrative expenses to the operating segments.

4 Amounts consist primarily of interest income and interest expense which are not currently allocated to our individual reportable segments.

11. Supplemental Disclosure for Statements of Cash Flows

During the first nine months of 2006 and 2005, we paid interest aggregating $495,000 and $511,000, respectively. During the first nine months of 2005, we purchased equipment under capital leases totaling $20,000.

12. Subsequent Events

Amendment to Notes Payable: On November 30, 2006, Neoprobe completed negotiations for the elimination of certain note covenants and the modification of the maturity of the Series A Convertible Promissory Notes in the aggregate principal amount of $8.1 million (the "Notes"), issued by Neoprobe to BVF, BOVF and David C. Bupp (Neoprobe's President and Chief Executive Officer) pursuant to the Securities Purchase Agreement, dated as of December 13, 2004, by and among Neoprobe, BVF, BOVF and Mr. Bupp (the "Securities Agreement"). BVF and BOVF are funds managed by Great Point Partners, LLC ("Great Point"). Pursuant to the terms of the Amendment to the Securities Agreement, dated November 30, 2006 (the "Amendment"), BVF, BOVF and Mr. Bupp (the "Holders") agreed to the elimination of the revenue and cash covenants contained in the Securities Agreement through the remaining term of the Notes, and Neoprobe agreed to pay the Holders an increased annual interest rate of 12%. Additionally, the parties agreed to modify the repayment schedule to include periodic repayments over the course of 2007 and 2008, and to extend the final maturity of the Notes to January 7, 2009. Neoprobe also gains the option of repaying the Notes early without penalty, but will be required to pay a portion of the proceeds from certain transactions, such as equity raises, to the Holders. The Holders retain the option to convert the Notes into Neoprobe common shares at a fixed conversion price of $0.40 per share, but have waived anti-dilution rights contained in the original Notes. These terms were all incorporated into Replacement Notes issued to the Holders in exchange for the original Notes. Also in connection with the Amendment, the Holders received replacement warrants (the "Replacement Warrants") in exchange for their original warrants, eliminating the "full ratchet" antidilution provisions of the original warrants. Like the original warrants, the Replacement Warrants entitle the Holders to purchase an aggregate 10,125,000 shares of Neoprobe's common stock at an exercise price of $0.46 per share, and expire on December 13, 2009.

PART II - INFORMATION NOT REQUIRED IN PROSPECTUS

Item 24. Indemnification of Directors and Officers.

Section 145 of the General Corporation Law of the State of Delaware (Section 145) provides that directors and officers of Delaware corporations may, under certain circumstances, be indemnified against expenses (including attorneys' fees) and other liabilities actually and reasonably incurred by them as a result of any suit brought against them in their capacity as a director or officer, if they acted in good faith and in a manner they reasonably believed to be in or not opposed to the best interests of the corporation, and, with respect to any criminal action or proceeding, if they had no reasonable cause to believe their conduct was unlawful. Section 145 also provides that directors and officers may also be indemnified against expenses (including attorneys' fees) incurred by them in connection with a derivative suit if they acted in good faith and in a manner they reasonably believed to be in or not opposed to the best interests of the corporation, except that no indemnification may be made without court approval if such person was adjudged liable to the corporation.

Article V of the Company's By-laws contains provisions which require that the Company indemnify its officers, directors, employees and agents, in substantially the same language as Section 145.

Article Nine, section (b), of the Company's Certificate of Incorporation further provides that no director will be personally liable to the Company or its stockholders for monetary damages or for any breach of fiduciary duty except for breach of the director's duty of loyalty to the Company or its stockholders, for acts or omissions not in good faith or involving intentional misconduct or a knowing violation of law, pursuant to Section 174 of the Delaware General Corporation Law (which imposes liability in connection with the payment of certain unlawful dividends, stock purchases or redemptions), or any amendment or successor provision thereto, or for any transaction from which a director derived an improper personal benefit.

Item 25. Other Expenses of Issuance and Distribution.

The following table sets forth the expenses expected to be incurred in connection with the issuance and distribution of the securities being registered. We will pay all of the expenses incident to the registration, offering, and sale of the shares to the public.

SEC Registration	$ 388.29
Legal Fees and Expenses*	$25,000.00
Accounting Fees*	$20,000.00
Miscellaneous*	$ 2,500.00
Total	$47,888.29

* Estimated

Item 26. Recent Sales of Unregistered Securities.

The following sets forth certain information regarding the sale of equity securities of our company during the past 3 years that were not registered under the Securities Act of 1933 (the Securities Act).

In February 2006, June 2005, and July 2004, our Board of Directors authorized the issuance of 67,987, 37,051, and 91,086 shares of common stock, respectively, to the trustees of our 401(k) employee benefit plan (the Plan) without registration. Such issuance is exempt from registration under the Securities Act under Section 3(a)(2). The Plan is a pension, profit sharing or stock bonus plan that is qualified under Section 401 of the Internal Revenue Code. The assets of the Plan are held in a single trust fund for the benefit of our employees, which does not hold assets for the benefit of the employees of any other employer. All of the contributions to the Plan from our employees have been invested in assets other than our common stock. We have contributed all of the Neoprobe common stock held by the Plan as a matching contribution that has been less in value at the time it was contributed to the Plan than the employee contributions that it matches.

On November 19, 2001, we entered into a common stock purchase agreement with Fusion Capital for the issuance and purchase of our common stock. Under the stock purchase agreement, Fusion Capital committed to purchase up to $10 million of our common stock over a forty-month period that commenced in May 2002. A registration statement registering for resale up to 5 million shares of our common stock was declared effective on April 15, 2002. The Fusion Capital common stock purchase agreement, dated November 19, 2001, expired under its own terms in February 2006. During the term of the agreement, we issued Fusion 449,438 shares of common stock for commitment fees related to the sales of our common stock, that were exempt from registration under Section 4(2) of the Securities Act.

During April 2003, we completed a bridge loan agreement with our President and CEO, David Bupp. Under the terms of the agreement, Mr. Bupp advanced us $250,000. In consideration for the loan, we issued a note to Mr. Bupp in the principal amount of $250,000. The note was secured by general assets of the company, excluding accounts receivable. In addition, we issued Mr. Bupp 375,000 warrants to purchase our common stock at an exercise price of $0.13 per share, expiring in April 2008. The note bore interest at 8.5% per annum, payable monthly, and was originally due on June 30, 2004. On March 8, 2004, at the request of the Board of Directors, Mr. Bupp agreed to extend the due date of the note from June 30, 2004 to June 30, 2005. In exchange for extending the due date of the note, we issued Mr. Bupp an additional 375,000 warrants to purchase our common stock at an exercise price of $0.50 per share, expiring in March 2009. Mr. Bupp's 750,000 warrants related to this transaction remain outstanding. The issuances of the note and warrants to Mr. Bupp were exempt from registration under Sections 4(2) and 4(6) of the Securities Act and Regulation D.

During April 2003, we also completed a convertible bridge loan agreement with an outside investor for an additional $250,000. In consideration for the loan, we issued a note to the investor in the principal amount of $250,000. The note was secured by general assets of the company, excluding accounts receivable. In addition, we issued the investor 500,000 warrants to purchase our common stock at an exercise price of $0.13 per share, expiring in April 2008. Under the terms of the agreement, the note bore interest at 9.5% per annum, payable monthly, and was due on June 30, 2004. During January 2004, the investor converted the entire balance of the note into 1.1 million shares of common stock according to the conversion terms of the agreement. The investor's 500,000 warrants remain outstanding. The issuances of the note and warrants to the investor were exempt from registration under Sections 4(2) and 4(6) of the Securities Act and Regulation D. As further consideration for the loans, we agreed to file a registration statement under which Mr. Bupp and the investor could resell to the public shares of common stock issuable on exercise of the warrants and conversion of the outside investor's note. The shares were included in a registration statement filed in December 2003.

During 2003, we engaged the services of two investment banking firms to assist us in raising capital, Alberdale Capital, LLC (Alberdale) and Trautman Wasserman & Company, Inc. (Trautman Wasserman). In exchange for Alberdale's services, we paid them a monthly retainer of $10,000, half in cash and half in common stock, and we agreed to pay them additional compensation upon the successful completion of a private placement of our securities. We terminated the agreement with Alberdale in September 2003, but issued them a total of 150,943 shares of common stock in payment for one half of their retainer. In addition, warrants to purchase 78,261 shares of our common stock were issued in exchange for their assistance in arranging an accounts receivable financing transaction. The warrants had an exercise price of $0.28 per share, and were exercised on a cashless basis in exchange for 53,500 shares of our common stock in 2004. In exchange for the services of Trautman Wasserman, we agreed to pay a retainer of $10,000, payable in cash and common stock, and to pay further compensation upon successful completion of a private placement. We issued Trautman Wasserman a total of 27,199 shares of common stock in payment for one half of their retainer. The services of Trautman Wasserman were terminated in September 2003. The issuances of the shares and warrants to Alberdale and Trautman Wasserman were exempt from registration under Sections 4(2) and 4(6) of the Securities Act and Regulation D.

In November 2003, we executed common stock purchase agreements with third parties introduced to us by a third investment banking firm, Rockwood, Inc., for the purchase of 12,173,914 shares of our common stock at a price of $0.23 per share for net proceeds of $2.4 million. In addition, we issued the purchasers warrants to purchase 6,086,959 shares of common stock at an exercise price of $0.28 per share, expiring in October 2008, and issued the placement agents warrants to purchase 1,354,348 shares of our common stock on similar terms. During 2004, the warrant holders exercised a total of 3,230,066 warrants in exchange for 3,197,854 shares of our common stock. Of the warrants exercised in 2004, 3,134,783 were exercised in exchange for 3,134,783 shares of our common stock resulting in net proceeds of $871,398. The remaining 95,283 warrants exercised in 2004 were exercised on a cashless basis in exchange for 63,071 shares of our common stock. During the first quarter of 2005 to date, certain investors and placement agents exercised a total of 206,865 warrants and we realized proceeds of $57,922. The issuances of the shares and warrants to the purchasers and the placement agents were exempt from registration under Sections 4(2) and 4(6) of the Securities Act and Regulation D. As required under the terms of the stock purchase agreements, in December 2003 we filed a registration statement under which the investors and placement agents may resell the shares of common stock to the public.

In December 2004, we completed a private placement of Convertible Promissory Notes in an aggregate principal amount of $8.1 million with Biomedical Value Fund, L.P., Biomedical Offshore Value Fund, Ltd. and David C. Bupp (our President and CEO). Biomedical Value Fund, L.P. and Biomedical Offshore Value Fund, Ltd. are funds managed by Great Point Partners, LLC. The notes originally bore interest at 8% per annum. In connection with the Amendment, dated November 30, 2006, to the Securities Purchase Agreement, dated as of December 13, 2004, by and among the Company, Biomedical Value Fund, L.P., Biomedical Offshore Value Fund, Ltd. and David C. Bupp, we canceled the original notes and issued replacement notes which bear interest at 12% per annum. The notes are freely convertible into shares of our common stock at a price of $0.40 per share. Neoprobe may force conversion of the notes prior to their stated maturity under certain circumstances. The conversion price represents the ten-day volume weighted average trading price of our common stock through December 10, 2004. As part of this transaction, we issued the investors 10,125,000 warrants to purchase our common stock at an exercise price of $0.46, expiring in December 2009. In connection with this financing, we also issued 1,600,000 warrants to purchase our common stock to the placement agents, containing substantially identical terms to the warrants issued to the investors.

During 2004 we engaged the services of two investment banking firms to assist us in raising capital, Roth Capital Partners, LLC (Roth) and Laidlaw & Co. (Laidlaw). In exchange for the services of Roth, we agreed to pay $320,000 in cash, plus warrants to purchase 800,000 shares of our common stock. In exchange for the services of Laidlaw, we agreed to pay $320,000 in cash, plus warrants to purchase 800,000 shares of our common stock. The warrants have an exercise price of $0.46 per share. The issuances of the warrants to Roth and Laidlaw were exempt from registration under Sections 4(2) and 4(6) of the Securities Act and Regulation D.

On December 1, 2006, we entered into an additional common stock purchase agreement with Fusion Capital for the issuance and purchase of our common stock. Pursuant to the terms of the common stock purchase agreement, Fusion Capital committed to purchase up to $6 million of our common stock over a 24-month period, to commence in December 2006. On December 7, 2006, we issued Fusion Capital 720,000 shares of our common stock, valued at $0.50 per share, for commitment fees related to the common stock purchase agreement. The issuance of the shares of our common stock to Fusion Capital was exempt from registration under Section 4(2) of the Securities Act.

Item 27. Exhibits.

Exhibit Number	Exhibit Description
3.1	Restated Certificate of Incorporation of Neoprobe Corporation as corrected February 18, 1994 and amended June 27, 1994, June 3, 1996, March 17, 1999, May 9, 2000, June 13, 2003, July 27, 2004, June 22, 2005, and November 20, 2006.*
3.2	Amended and Restated By-Laws dated July 21, 1993, as amended July 18, 1995 and May 30, 1996 (filed as Exhibit 99.4 to the Company's Current Report on Form 8-K dated June 20, 1996, and incorporated herein by reference).
5.1	Opinion of Porter, Wright, Morris & Arthur LLP*
10.1	Amended and Restated Stock Option and Restricted Stock Purchase Plan dated March 3, 1994 (incorporated by reference to Exhibit 10.2.26 to the Company's December 31, 1993 Form 10-K).
10.2	1996 Stock Incentive Plan dated January 18, 1996 as amended March 13, 1997 (incorporated by reference to Exhibit 10.2.37 to the Company's December 31, 1997 Form 10-K).
10.3	Neoprobe Corporation Amended and Restated 2002 Stock Incentive Plan (incorporated by reference to Appendix A to the Company's Definitive Proxy Statement (File No. 000-26520), filed with the Securities and Exchange Commission on April 29, 2005).
10.4	Employment Agreement between the Company and David C. Bupp, dated January 1, 2004 (incorporated by reference to Exhibit 10.12 to the Company's December 31, 2003 Form 10-KSB).
10.5	Employment Agreement between the Company and Brent L. Larson, dated January 1, 2005 (Incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed January 5, 2005. This is one of five substantially identical employment agreements. A schedule identifying the other agreements and setting forth the material details in which such agreements differ from the one that is incorporated by reference herein was filed as Exhibit 10.6 to the Company's Annual Report on Form 10-KSB filed March 31, 2006).
10.6	Schedule identifying material differences between the employment agreement incorporated by reference as Exhibit 10.5 to this Post-effective Amendment No. 1 to Registration Statement on Form SB-2, and other substantially identical employment agreements. (incorporated by reference to Exhibit 10.6 to the Company's Annual Report on Form 10-KSB filed March 31, 2006).
10.7	Technology Transfer Agreement dated July 29, 1992 between the Company and The Dow Chemical Corporation (portions of this Exhibit have been omitted pursuant to a request for confidential treatment and have been filed separately with the Commission) (incorporated by reference to Exhibit 10.10 to the Company's Form S-1 filed October 15, 1992).
10.8	Cooperative Research and Development Agreement between the Company and the National Cancer Institute (incorporated by reference to Exhibit 10.3.31 to the Company's September 30, 1995 Form 10-QSB).
10.9	License dated May 1, 1996 between the Company and The Dow Chemical Company (incorporated by reference to Exhibit 10.3.45 to the Company's June 30, 1996 Form 10-QSB).

10.10 License Agreement dated May 1, 1996 between the Company and The Dow Chemical Company (portions of this Exhibit have been omitted pursuant to a request for confidential treatment and have been filed separately with the Commission) (incorporated by reference to Exhibit 10.3.46 to the Company's June 30, 1996 Form 10-QSB).

10.11 License Agreement dated January 30, 2002 between the Company and the Regents of the University of California, San Diego, as amended on May 27, 2003 and February 1, 2006 (portions of this Exhibit have been omitted pursuant to a request for confidential treatment and have been filed separately with the Commission) (incorporated by reference to Exhibit 10.11 to the Company's Annual Report on Form 10-KSB filed March 31, 2006).

10.12 Evaluation License Agreement dated March 31, 2005 between the Company and the Regents of the University of California, San Diego (portions of this Exhibit have been omitted pursuant to a request for confidential treatment and have been filed separately with the Commission) (incorporated by reference to Exhibit 10.12 to the Company's Annual Report on Form 10-KSB filed March 31, 2006).

10.13 Distribution Agreement between the Company and Ethicon Endo-Surgery, Inc. dated October 1, 1999 (portions of this Exhibit have been omitted pursuant to a request for confidential treatment and have been filed separately with the Commission), (incorporated by reference to Exhibit 10.4.39 to the Company's September 30, 1999 Form 10-Q).

10.14 Product Supply Agreement between the Company and TriVirix International, Inc., dated February 5, 2004 (portions of this Exhibit have been omitted pursuant to a request for confidential treatment and have been filed separately with the Commission) (incorporated by reference to Exhibit 10.17 to the Company's December 31, 2004 Form 10-KSB).

10.15 Warrant to Purchase Common Stock of Neoprobe Corporation dated March 8, 2004 between the Company and David C. Bupp (incorporated by reference to Exhibit 10.28 to the Company's December 31, 2003 Form 10-KSB).

10.16 Warrant to Purchase Common Stock of Neoprobe Corporation dated April 2, 2003 between the Company and Donald E. Garlikov (incorporated by reference to Exhibit 99(g) to the Company's Current Report on Form 8-K filed April 2, 2003).

10.17 Warrant to Purchase Common Stock of Neoprobe Corporation dated April 2, 2003 between the Company and David C. Bupp (incorporated by reference to Exhibit 99(h) to the Company's Current Report on Form 8-K filed April 2, 2003).

10.18 Registration Rights Agreement dated April 2, 2003 between the Company, David C. Bupp and Donald E. Garlikov (incorporated by reference to Exhibit 99(i) to the Company's Current Report on Form 8-K filed April 2, 2003).

10.19 Stock Purchase Agreement dated October 22, 2003 between the Company and Bridges & Pipes, LLC (incorporated by reference to Exhibit 10.32 to the Company's registration statement on Form SB-2 filed December 2, 2003).

10.20 Registration Rights Agreement dated October 22, 2003 between the Company and Bridges & Pipes, LLC (incorporated by reference to Exhibit 10.33 to the Company's registration statement on Form SB-2 filed December 2, 2003).

10.21 Series R Warrant Agreement dated October 22, 2003 between the Company and Bridges & Pipes, LLC (incorporated by reference to Exhibit 10.34 to the Company's registration statement on Form SB-2 filed December 2, 2003).

10.22 Series S Warrant Agreement dated November 21, 2003 between the Company and Alberdale Capital, LLC (incorporated by reference to Exhibit 10.35 to the Company's registration statement on Form SB-2 filed December 2, 2003).

10.23	Securities Purchase Agreement, dated as of December 13, 2004 by and among Neoprobe Corporation, Biomedical Value Fund, L.P., Biomedical Offshore Value Fund, Ltd. and David C. Bupp (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed December 16, 2004).
10.24	Amendment, dated November 30, 2006, to the Securities Purchase Agreement, dated as of December 13, 2004, among Neoprobe Corporation, Biomedical Value Fund, L.P., Biomedical Offshore Value Fund, Ltd. and David C. Bupp (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed December 4, 2006).
10.25	Form of Neoprobe Corporation Replacement Series A Convertible Promissory Note issued by the Company in connection with the Amendment, dated November 30, 2006, to the Securities Purchase Agreement, dated as of December 13, 2004, by and among Neoprobe Corporation, and Biomedical Value Fund, L.P., Biomedical Offshore Value Fund, Ltd. and David C. Bupp (Incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K filed December 4, 2006. This is the form of three substantially identical agreements. A schedule identifying the other agreements and setting forth the material details in which such agreements differ from the one that is incorporated by reference herein was filed as Exhibit 10.4 to the Company's Current Report on Form 8-K filed December 4, 2006).
10.26	Form of Series T Neoprobe Corporation Replacement Common Stock Purchase Warrant issued by the Company in connection with the Amendment, dated November 30, 2006, to the Securities Purchase Agreement, dated as of December 13, 2004, by and among Neoprobe Corporation, and Biomedical Value Fund, L.P., Biomedical Offshore Value Fund, Ltd. and David C. Bupp. (Incorporated by reference to Exhibit 10.3 to the Company's Current Report on Form 8-K filed December 4, 2006. This is the form of three substantially identical agreements. A schedule identifying the other agreements and setting forth the material details in which such agreements differ from the one that is incorporated by reference herein was filed as Exhibit 10.4 to the Company's Current Report on Form 8-K filed December 4, 2006).
10.27	Security Agreement, dated as of December 13, 2004, made by Neoprobe Corporation in favor of Biomedical Value Fund, L.P., Biomedical Offshore Value Fund, Ltd. and David C. Bupp (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed December 16, 2004).
10.28	Form of Series U Warrant Agreement dated December 13, 2004 between the Company and the placement agents for the Series A Convertible Promissory Notes and Series T Warrants. (Incorporated by reference to Exhibit 10.35 to the Company's December 31, 2004 Form 10-KSB. This is the form of six substantially identical agreements. A schedule identifying the other agreements and setting forth the material details in which such agreements differ from the one that is incorporated by reference herein was filed as Exhibit 10.36 to the Company's December 31, 2004 Form 10-KSB).
10.29	Common Stock Purchase Agreement between the Company and Fusion Capital Fund II, LLC dated December 1, 2006 (incorporated by reference to Exhibit 10.5 to the Company's Current Report on Form 8-K filed December 4, 2006).
10.30	Registration Rights Agreement dated December 1, 2006 between the Company and Fusion Capital Fund II, LLC (incorporated by reference to Exhibit 10.6 to the Company's Current Report on Form 8-K filed December 4, 2006).
21.1	Subsidiaries of the registrant.*
23.1	Consent of BDO Seidman, LLP.*
23.2	Consent of KPMG LLP.*

23.3 Consent of Porter, Wright, Morris & Arthur LLP (included in Exhibit 5.1 herein).

24.1 Powers of Attorney.*

* Filed herewith.

Item 28. Undertakings.

The undersigned hereby undertakes:

(1) to file, during any period in which offers or sells securities, a post-effective amendment to this Registration Statement to:

(i) include any prospectus required by section 10(a)(3) of the Securities Act of 1933;

(ii) reflect in the prospectus any facts or events which, individually or together, represent a fundamental change in the information in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement; and

(iii) include any additional or changed material information on the plan of distribution.

(2) that for determining liability under the Securities Act, to treat each post-effective amendment as a new registration statement of the securities offered, and the offering of the securities at that time to be the initial bona fide offering.

(3) to file a post-effective amendment to remove from registration any of the securities that remain unsold at the end of the offering.

(4) that for determining liability of the undersigned small business issuer under the Securities Act to any purchaser in the initial distribution of the securities, the undersigned small business issuer undertakes that in a primary offering of securities of the undersigned small business issuer pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned small business issuer will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

i. Any preliminary prospectus or prospectus of the undersigned small business issuer relating to the offering required to be filed pursuant to Rule 424;

ii. Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned small business issuer or used or referred to by the undersigned small business issuer;

iii. The portion of any other free writing prospectus relating to the offering containing material information about the undersigned small business issuer or its securities provided by or on behalf of the undersigned small business issuer; and

iv. Any other communication that is an offer in the offering made by the undersigned small business issuer to the purchaser.

Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to the directors, officers, and controlling persons of the small business issuer pursuant to the foregoing provisions, or otherwise, the small business issuer has been advised that in the opinion of the Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable.

In the event that a claim for indemnification against such liabilities (other than the payment by the small business issuer of expenses incurred or paid by a directors, officers or controlling person of the small business issuer in the successful defense of any action, suit or proceeding) is asserted by such director, officer, or controlling person in connection with the securities being registered, the small business issuer will, unless in the opinion of counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

SIGNATURES

In accordance with the requirements of the Securities Act of 1933, as amended, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form SB-2 and authorized this Registration Statement to be signed on its behalf by the undersigned in the City of Dublin, Ohio, on December 7, 2006.

Neoprobe Corporation

By: /s/ David C. Bupp

David C. Bupp, President and Chief Executive Officer

In accordance with the requirements of the Securities Act of 1933, this registration statement was signed by the following persons in the capacities and on the dates indicated:

Signature	Title	Date
/s/ David C. Bupp David C. Bupp	President, Chief Executive Officer and Director (principal executive officer)	December 7, 2006
/s/ Brent L. Larson* Brent L. Larson	Vice President, Finance and Chief Financial Officer (principal financial officer and principal accounting officer)	December 7, 2006
/s/ Julius R. Krevans* Julius R. Krevans	Chairman of the Board of Directors	December 7, 2006
/s/ Carl J. Aschinger, Jr.* Carl J. Aschinger, Jr.	Director	December 7, 2006
/s/ Reuven Avital* Reuven Avital	Director	December 7, 2006
Kirby I. Bland	Director	
/s/ Fred B. Miller* Fred B. Miller	Director	December 7, 2006
/s/ Frank Whitley, Jr.*		

J. Frank Whitley, Jr.	Director	December 7, 2006

*By: /s/ David C. Bupp

David C. Bupp, Attorney-in fact

RESTATED CERTIFICATE OF INCORPORATION
OF
NEOPROBE CORPORATION

(as corrected February 18, 1994 and as amended June 27, 1994, July 25, 1995, June 3, 1996, March 17, 1999, May 9, 2000, June 13, 2003, July 29, 2004, June 22, 2005 and November 20, 2006)

ARTICLE ONE

The name of the corporation is Neoprobe Corporation.

ARTICLE TWO

The address of the corporation's registered office in the State of Delaware is the Corporation Trust Center, 1209 Orange Street, in the City of Wilmington, County of New Castle. The name of its registered agent at such address is the Corporation Trust Company.

ARTICLE THREE

The nature of the business or purposes to be conducted or promoted is to engage in any lawful act or activity for which corporations may be organized under the General Corporation Law of the State of Delaware.

(Article Four was amended to increase the total number of authorized shares from 22,000,000 to 55,000,000, the total number of shares of Common Stock from 20,000,000 to 50,000,000 and the total number of shares of Preferred Stock from 2,000,000 to 5,000,000 by a resolution duly adopted by the Board of Directors on March 3, 1994 and duly adopted by the stockholders on May 26, 1994. It was again amended to increase the number of authorized shares to 80,000,000, consisting of 75,000,000 shares of Common Stock and 5,000,000 shares of Preferred Stock, by resolution duly adopted by the Board of Directors on April 15, 2003, and duly adopted by the stockholders on June 12, 2003. It was further amended to increase the number of authorized shares to 105,000,000, consisting of 100,000,000 shares of Common Stock and 5,000,000 shares of Preferred Stock, by resolution duly adopted by the Board of Directors on April 16, 2004, and duly adopted by the stockholders on July 27, 2004. Article Four was again amended t o increase the number of authorized shares to 155,000,000, consisting of 150,000,000 shares of Common Stock and 5,000,000 shares of Preferred Stock, by resolution duly adopted by the Board of Directors on March 15, 2005, and duly adopted by the Stockholders on June 13, 2005).

ARTICLE FOUR

4.1 Authorized Shares. The total number of shares of capital stock which the Corporation has authority to issue is 155,000,000 shares, consisting of:

(a) 150,000,000 shares of Common Stock, par value $.001 per share (the "Common Stock");

(b) 5,000,000 shares of Preferred Stock, par value $.001 per share (the "Preferred Stock").

4.2 Common Stock.

(a) Subject to such voting rights of any other class or series of securities as may be granted from time to time pursuant to this certificate of incorporation, any amendment thereto, or the provisions of the laws of the State of Delaware governing corporations, voting rights shall be vested exclusively in the holders of Common Stock. Each holder of Common Stock shall have one vote in respect of each share of such stock held.

(b) Subject to the rights of any other class or series of stock, the holders of shares of Common Stock shall be entitled to receive, when and as declared by the board of directors, out of the assets of the Corporation legally available therefor, such dividends as may be declared from time to time by the board of directors.

(c) Subject to such rights of any other class or series of securities as may be granted from time to time, the holders of shares of Common Stock shall be entitled to receive all the assets of the Corporation available for distribution to shareholders in the event of the voluntary or involuntary liquidation, dissolution, or winding up of the Corporation, ratably, in proportion to the number of shares of Common Stock held by them. Neither the merger or consolidation of the Corporation into or with any other corporation, nor the merger or consolidation of any other corporation into or with the Corporation, nor the sale, lease, exchange or other disposition (for cash, shares of stock, securities, or other consideration) of all or substantially all the assets of the Corporation, shall be deemed to be a dissolution, liquidation, or winding up, voluntary or involuntary, of the Corporation.

4.3 Preferred Stock. Shares of Preferred Stock may be issued from time to time in one or more series. The board of directors of the Corporation is hereby authorized to determine and alter all rights, preferences, and privileges and qualifications, limitations, and restrictions thereof (including, without limitation, voting rights and the limitation and exclusion thereof) granted to or imposed upon any wholly unissued series of Preferred Stock and the number of shares constituting any such series and the designation thereof, and to increase or decrease (but not below the number of shares of such series then outstanding) the number of shares of any series subsequent to the issue of shares of that series then outstanding. In case the number of shares of any series is so decreased, the shares constituting such reduction shall resume the status which such shares had prior to the adoption of the resolution originally fixing the number of shares of such series.

ARTICLE FIVE

The business and affairs of the Corporation shall be managed by or under the direction of the board of directors, and the directors need not be elected by ballot unless required by the by-laws of the Corporation. In furtherance and not in limitation of the powers conferred by statute, the board of directors of the Corporation is expressly authorized to adopt, amend, or repeal the by-laws of the Corporation.

ARTICLE SIX

Action shall be taken by the stockholders of the Corporation only at annual or special meetings of stockholders, and stockholders may not act by written consent. Special meetings of the Corporation may be called only as provided in the by-laws.

ARTICLE SEVEN

Meetings of the stockholders may be held within or without the State of Delaware, as the by-laws of the Corporation may provide. The books of the Corporation may be kept outside the State of Delaware at such place or places as may be designated from time to time by the board of directors or in the by-laws of the Corporation. The board of directors shall from time to time decide whether and to what extent and at what times and under what conditions and requirements the accounts and books of the Corporation, or any of them, except the stock book, shall be open to the inspection of the stockholders, and no stockholder shall have any right to inspect any books or documents of the Corporation except as conferred by the laws of the State of Delaware or as authorized by the board of directors.

(Article Eight was amended in its entirety by a resolution duly adopted by the Board of Directors on January 18, 1996 and duly adopted by the stockholders at the Annual Meeting of Stockholders held on May 30, 1996).

ARTICLE EIGHT

Notwithstanding any other provision set forth in the Certificate of Incorporation of the Corporation or its By-laws, the board of directors shall be divided into three classes; the term of office of those of the first class to expire at the annual meeting next ensuing; of the second class one year thereafter; of the third class two years thereafter; and at each annual election held after the initial classification of the board of directors and election of directors to such classes, directors shall be chosen for a full term of three years, as the case may be, to succeed those whose terms expire. The total number of directors constituting the full board of directors and the number of directors in each class shall be fixed by, or in the manner provided in the by-laws, but the total number of directors shall not exceed seventeen (17) nor shall the number of directors in any class exceed six (6). Subject to the foregoing, the classes of directors need not have the same number of members. No reduction in the total number of directors or in the number of directors in any class shall be effective to remove any director or to reduce the term of any director. If the board of directors increases the number of directors in a class, it may fill the vacancy created thereby for the full remaining term of a director in that class even though such term may extend beyond the next annual election. The board of directors may fill any vacancy occurring for any other reason for the full remaining term of the director whose death, resignation or removal caused the vacancy, even though such term may extend beyond the next annual election.

ARTICLE NINE

(a) The Corporation shall, to the fullest extent permitted by the General Corporation Law of the State of Delaware as the same exists or may hereafter be amended, indemnify all persons whom it may indemnify pursuant hereto.

(b) To the fullest extent permitted by the General Corporation Law of the State of Delaware as the same exists or may hereafter be amended, a director of this Corporation shall not be personally liable for the Corporation or its Stockholders for monetary damages for breach of fiduciary duty as a director. The modification or repeal of this Article Nine shall not affect the restriction hereunder of a director's personal liability for any breach, act, or omission occurring prior to such modification or repeal.

ARTICLE TEN

The Corporation is to have perpetual existence.

* * *

(A Certificate of Correction was filed to correct a failure to set forth in the Restated Certificate of Incorporation filed with the Secretary of State of Delaware on November 9, 1992, the following resolutions duly adopted by the Board and duly approved by the stockholders):

WHEREAS, the Board of Directors of the Corporation deems it to be advisable and in the best interests of the Corporation that the Corporation effectuates a reverse split of its common stock, par value $0.001 per share (the "Common Stock"), to cause the total number of issued and outstanding shares of Common Stock to be 5,162,762 prior to a contemplated public offering of the securities of the Corporation; it is therefore:

RESOLVED, that, subject to approval by the Corporation's stockholders, there is hereby declared a one-for-two reverse split of the issued and outstanding shares of Common Stock, effective immediately prior to the effective time of the contemplated public offering (the "Conversion Time"), pursuant to which each issued and outstanding share of Common Stock shall automatically be converted into one-half of the one share of Common Stock, and each stockholder of record at the Conversion Time shall receive one or more certificates representing the number of fully-paid and nonassessable shares of Common Stock equal to the number of shares held after the Conversion Time as a result of the foregoing reverse split;

RESOLVED, FURTHER, that the shares of Common Stock that cease to be outstanding as a result of the reverse stock split shall be authorized but unissued shares;

RESOLVED, FURTHER, that fractions of a share existing after the reverse stock split shall not be issued to the stockholders, and that such fractions shall be paid in cash at their *pro rata* fair value, which the Board of Directors hereby determines, after due consideration, to be $6.00 per share as of the Conversion Time;

RESOLVED, FURTHER, that appropriate adjustment shall be made to the applicable conversion or other ratios of the Corporation's outstanding warrants, options or other convertible securities to take account of the change in the outstanding Common Stock resulting from the reverse stock split; and

RESOLVED, FURTHER, that the Conversion Time for the one-for-two reverse split of the issued and outstanding shares of Common Stock as authorized on July 22, 1992, and approved by the Corporation's stockholders, shall be at the close of business on Monday, November 9, 1992.

* * *

(The Board of Directors provided for a series of Preferred Stock on July 18, 1995 by the addition to the Certificate of Incorporation of paragraphs which were incorporated in a Certificate of Designations, Preferences and Rights of Series A Junior Participating Preferred Stock filed on July 25, 1995 on November 20, 2006, the Corporation filed a Certificate of Elimination to eliminate from the Corporation's Restated Certificate of Incorporation all reference to the Series A Junior Participating Preferred Stock.*)*

Exhibit 5.1

PORTER, WRIGHT, MORRIS & ARTHUR LLP
41 South High Street
Columbus, Ohio 43215-6194
Telephone: 614/227-2000
Facsimile: 614/227-2100

December 7, 2006

Neoprobe Corporation
425 Metro Place North, Suite 300
Dublin, Ohio 43017

Ladies and Gentlemen:

With respect to the Registration Statement on Form SB-2 (the "Registration Statement") being filed with the Securities and Exchange Commission by Neoprobe Corporation, a Delaware corporation (the "Company") under the Securities Act of 1933, as amended, relating to the sale of up to 13,440,000 shares (the "Shares") of Common Stock of the Company, $.001 par value (the "Common Stock"), by the selling stockholder named in the Registration Statement (the "Selling Stockholder"), we advise you as follows:

We are counsel for the Company and have participated in the preparation of the Registration Statement. We have reviewed the Company's Restated Certificate of Incorporation, as amended to date, the corporate action taken to date in connection with the Registration Statement and the issuance of the Shares, the form of Common Stock Purchase Agreement between the Company and the Selling Stockholder, dated as of December 1, 2006 (the "Purchase Agreement"), and such other documents and authorities as we deem relevant for the purpose of this opinion.

Based upon the foregoing and in reliance thereon, we are of the opinion that, upon compliance with the Securities Act of 1933, as amended, and with the securities or "blue sky" laws of the states in which the Shares are to be offered for sale, the 13,440,000 shares of Common Stock issuable under the Purchase Agreement will be, when issued and paid for as provided in the Purchase Agreement, validly issued, fully paid and non-assessable.

We consent to the filing of this opinion as an exhibit to the Registration Statement and to the use of our name under the caption "Legal Experts" in the prospectus included in the Registration Statement.

Very truly yours,

/s/ Porter, Wright, Morris & Arthur LLP

PORTER, WRIGHT, MORRIS & ARTHUR LLP

Exhibit 21.1

Subsidiaries of Neoprobe Corporation:

Subsidiary	Jurisdiction of Incorporation	Percentage Owned by the Company
Cardiosonix Ltd.	Israel	100%
Cira Biosciences, Inc.	Delaware	90%

Exhibit 23.1

Consent of Independent Registered Public Accounting Firm

Neoprobe Corporation
Dublin, Ohio

We hereby consent to the use in the Prospectus constituting a part of this Registration Statement of our report dated March 30, 2006, relating to the 2005 consolidated financial statements of Neoprobe Corporation which is contained in that Prospectus.

We also consent to the reference to us under the caption "Experts" in the Prospectus.

/s/ BDO Seidman, LLP

Chicago, Illinois
December 6, 2006

Exhibit 23.2

Consent of Independent Registered Public Accounting Firm

The Board of Directors
Neoprobe Corporation:

We consent to the use of our report included herein and to the reference to our firm under the heading “Experts” in the prospectus.

/s/ KPMG, LLP

Columbus, Ohio
December 6, 2006

Exhibit 24.1

POWER OF ATTORNEY

Each of the undersigned officers and directors of Neoprobe Corporation, a Delaware corporation (the "Company") hereby appoints David C. Bupp and Brent L. Larson as the undersigned's attorney-in-fact, or either them individually as the undersigned's attorney-in-fact, in his or her name and on his or her behalf, and in any and all capacities stated below, to sign or cause to be filed with the Securities and Exchange Commission (the "Commission"), the Company's Registration Statement on Form SB-2 (the "Registration Statement") to register under the Securities Act of 1933, as amended, the sale of up to 13,440,000 shares of Common Stock, $.001 par value, of the Company, and any and all amendments, including post-effective amendments, to the Registration Statement, hereby granting unto such attorneys-in-fact, and to each of them, full power and authority to do and perform in the name of and on behalf of the undersigned, in any and all such capacities, every act and thing whatsoever necessary to be done in and about the premises as fully as the undersigned could or might do in person, hereby granting to each such attorney-in-fact full power of substitution and revocation, and hereby ratifying all that any such attorney-in-fact or his substitute may do by virtue hereof.

IN WITNESS WHEREOF, the undersigned have executed this Power of Attorney effective as of December 4, 2006.

Signature	**Title**
/s/ David C. Bupp David C. Bupp	President, Chief Executive Officer and Director (principal executive officer)
/s/ Brent L. Larson Brent L. Larson	Vice President, Finance and Chief Financial Officer (Principal financial officer and principal accounting officer)
/s/ Julius R. Krevans Julius R. Krevans	Chairman of the Board of Directors
/s/ Carl J. Aschinger, Jr. Carl J. Aschinger, Jr.	Director
/s/ Reuven Avital Reuven Avital	Director
Kirby I. Bland	Director
/s/ Fred B. Miller Fred B. Miller	Director
/s/ J. Frank Whitley, Jr. J. Frank Whitley, Jr.	Director