ABIOMED INC Form 424B3 October 18, 2006 Table of Contents

Filed pursuant to Rule 424(b)(3)

Registration No. 333-125926

PROSPECTUS

ABIOMED, Inc.

3,345,545 Shares of Common Stock

The shares of our common stock covered by this prospectus are being offered for sale by the selling stockholders identified in this prospectus on a delayed or continuous basis.

We will not receive any proceeds from the offering. We will bear the costs related to the registration of the shares covered by this prospectus, other than selling commissions.

The selling stockholders, or other pledgees, donees, transferees or other successors-in-interest of the selling stockholders, may offer and sell the shares from time to time in one or more transactions. Sales may be made on one or more exchanges, through the NASDAQ Global Market, in the over-the-counter market or in privately negotiated transactions at prevailing market prices or at negotiated prices. The selling stockholders may sell the shares through broker-dealers or agents, who may receive compensation in the form of commissions, discounts or concessions.

Our common stock trades on the NASDAQ Global Market under the symbol ABMD. The last reported sale price of our common stock on the NASDAQ Global Market on October 16, 2006 was \$14.06 per share.

Investing in our common stock involves a high degree of risk. See Risk Factors beginning on page 2.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities, or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

Unless the context otherwise requires, all references to ABIOMED, we, our, us or our company in this prospectus refer to ABIOMED, Inc., Delaware corporation and its subsidiaries.

The date of this prospectus is October 17, 2006

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You should rely on the information contained in this prospectus, in any applicable prospectus supplement and in the documents incorporated by reference in this prospectus. We have not authorized any other person to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it. We are not making an offer to sell these securities in any jurisdiction where their offer or sale is not permitted. You should assume that the information appearing in this prospectus is accurate only at the date on the front cover of this prospectus, regardless of the time of delivery of this prospectus or of any sale of the securities. Our business, financial condition, results of operations and prospects may have changed since the date indicated on the front cover of this prospectus.

This prospectus contains summaries of certain provisions contained in some of the documents described herein, and reference is made to the actual documents filed with the United States Securities and Exchange Commission, or SEC, for complete information. Copies of some of the documents referred to herein have been filed, will be filed or incorporated by reference as exhibits to the registration statement of which this prospectus is a part, and you may obtain copies of those documents as described below under Where You Can Find More Information.

ABIOMED and ABIOCOR are trademarks of ABIOMED, Inc., and are registered in the U.S.A. and certain foreign countries. BVS is a trademark of ABIOMED, Inc. and is registered in the U.S.A. AB5000 is a trademark of ABIOMED, Inc. IMPELLA and RECOVER are trademarks of Abiomed Europe GmbH, a subsidiary of ABIOMED, Inc., and are registered in the U.S.A. and certain foreign countries. This prospectus may also include trademarks of companies other than ABIOMED.

SUMMARY

This summary is a brief discussion of material information contained in, or incorporated by reference into, this prospectus as further described below under Where You Can Find More Information. This summary does not contain all of the information that you should consider before investing in our common stock being offered by this prospectus. We urge you to read carefully this entire prospectus, the documents incorporated by reference into this prospectus and all applicable prospectus supplements relating to our common stock before making an investment decision.

About This Prospectus

This prospectus is part of a shelf registration statement that we filed with the SEC. Under this registration statement, the selling stockholders listed in the selling stockholder table included in this prospectus may from time to time offer up to 3,345,545 shares of our common stock owned by them, at prices and on terms to be determined at or prior to the time of sale. We will not receive any proceeds from the sale of common shares by the selling stockholders.

Upon receipt of notice from the selling stockholders, we will file any amendment or prospectus supplement that may be required in connection with any sale by a selling stockholder. You should carefully read both this prospectus and any applicable prospectus supplement, together with the additional information described under the heading Where You Can Find More Information. If there is any inconsistency between the information in this prospectus and a prospectus supplement, you should rely on the information in that prospectus supplement.

About ABIOMED, Inc.

We are a leading provider of medical products and services in the area of circulatory care. Our strategy is centered around establishing recovery as the standard of care for acute patients. We have two products designed for heart recovery following acute events, the AB5000 and BV\subseteq 5000, both of which have been approved by the FDA. Our AB5000 Circulatory Support System is a heart assist product designed to provide enhanced patient mobility within and between medical centers, to facilitate patient ambulation and to provide enhanced features and ease of use for caregivers. The AB5000 console serves as a platform for ongoing and future blood pump product line enhancements expected to meet patient needs across a broader spectrum of temporary heart assist applications. Our AB5000 marketing efforts were initially focused on introducing the system in the largest cardiothoracic surgical centers through sales of consoles and blood pumps. It is our intention to seek expansion of the current approved indications for use of the AB5000 in order to allow support of expanded patient populations for longer periods of support.

The BVS and AB5000 systems each consist of single-use external blood pumps and cannulae and a reusable pneumatic drive and control console. Both are capable of assuming the full pumping function of a patient s failing heart, and are designed to provide either univentricular or biventricular support. Both are currently approved by the FDA for temporary use while the patient s heart is allowed to rest, heal and recover. The AB5000 console is capable of controlling both the BVS and the AB5000 blood pumps and ventricles and a patient can be switched from a BVS VAD to an AB5000 VAD without surgery due to the compatible design of the cannulae used with the products.

Our AbioCor is a battery-powered totally implantable replacement heart system, designed to operate without wires or any other material penetrating the patient s skin. We applied for and have received initial FDA market approval for the AbioCor to treat a defined subset of irreversible end-stage heart failure patients under a Humanitarian Device Exemption (HDE). The FDA decision was completed after extensive review of the clinical

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testing of the AbioCor, beginning with clinical trials that started in 2001 under an Investigational Device Exemption. As a result of this approval, the AbioCor will be available to a limited patient population in the United States, with no more than 4,000 patients receiving the technology each year.

Through our Germany operations, we manufacture, sell and support our Impella products, which include the world s smallest micro blood pumps. These high-performance, minimally invasive pumps feature integrated motors and sensors for use in interventional cardiology and heart surgery. Our Recover System pumps are designed to provide ventricle support for patients requiring hemodynamic stabilization, or suffering from reduced cardiac output and can potentially aid in recovering the hearts of patients suffering from acute myocardial infarction (AMI or Heart Attack). Currently several of the Impella Recover devices, including the 5.0 catheter-based circulatory support system, the 2.5 minimally invasive ventricular assist device, the LD left ventricular unloading catheter, and the RD right ventricular unloading catheter, have the CE mark and we market each of these devices throughout Europe. We intend to seek FDA approval to sell the Recover System blood pumps in the United States. We also intend to seek regulatory approval in other countries in order to address wider market opportunities for circulatory care.

In May 2006, we received FDA approval to commence our pilot clinical trial immediately in the United States for the Impella 2.5 ventricular assist device. The indication for use is as a left ventricular assist device providing support for up to five days during high-risk angioplasty. Angioplasty, performed in the catheterization lab, is the insertion of a catheter-guided balloon that is used to open a narrowed coronary artery. A stent (a wire-mesh tube that expands to hold the artery open) is usually placed at the narrowed section. An angioplasty is considered high-risk if the patient has poor cardiac function and the procedure is performed on an unprotected left main coronary artery lesion or the last patent coronary conduit. It is estimated that 5 to 10 percent of the approximately one million annual U.S. angioplasty cases are high-risk.

In June 2006, we received conditional FDA approval to commence immediately a pilot clinical trial in the United States for the Impella 5.0. This system is already available in Europe, where it has been used to treat more than 250 patients in need of cardiac support resulting from postcardiotomy cardiogenic shock, myocarditis, low cardiac output post-acute myocardial infarction, post-coronary intervention procedures, or as a bridge to other circulatory support devices, including our AB5000 and BVS 5000 Circulatory Support Systems.

We are a Delaware corporation, incorporated in 1981, with our principal executive offices located at 22 Cherry Hill Drive, Danvers, Massachusetts 01923. We commenced operations in 1981. Our telephone number is (978) 777-5410 and our web address is www.abiomed.com. We make available free of charge through the Investor section of our website, all reports filed with the Securities and Exchange Commission. We include our website address in this prospectus only as an inactive textual reference and do not intend it to be an active link to our website.

RISK FACTORS

Investing in our common stock involves a high degree of risk. In addition to the risks detailed below, please see the risk factors described under the heading Risk Factors in our annual report on Form 10-K for the fiscal year ended March 31, 2006, which is incorporated by reference in this prospectus.

Before making an investment decision, you should carefully consider these risks as well as the other information we include or incorporate by reference in this prospectus, including our consolidated financial statements and the related notes. The risks and uncertainties we have described are not the only ones we face. Additional risks and uncertainties of which we are unaware or that we currently deem immaterial may also adversely affect our business operations. If any of these risks materializes, the trading price of our common stock could fall and you might lose all or part of your investment.

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The market price of our common stock is volatile.

The market price of our common stock has fluctuated widely and may continue to do so. For example, from August 30, 2005 to August 30, 2006 the price of our stock ranged from a high of \$14.62 per share to a low of \$7.81 per share. Many factors could cause the market price of our common stock to rise and fall. Some of these factors are:

the status of regulatory approvals for our products;

the introduction of new products by us or our competitors;

acquisitions or strategic alliances involving us or our competitors;

changes in accounting principles;

changes in estimates of our performance or recommendations by securities analysts;

the hiring or departure of key personnel;

future sales of shares of common stock in the public market; and

market conditions in the industry and the economy as a whole.

In addition, the stock market, at times, experiences significant price and volume fluctuations. These fluctuations are often unrelated to the operating performance of particular companies. These broad market fluctuations may adversely affect the market price of our common stock. When the market price of a company s stock drops significantly, stockholders often institute securities class action litigation against that company. Any litigation against us could cause us to incur substantial costs, divert the time and attention of our management and other resources, or otherwise harm our business.

SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

The Securities and Exchange Commission, or SEC, encourages companies to disclose forward-looking information so that investors can better understand a company s future prospects and make informed investment decisions. This prospectus contains such forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These statements may be made directly in this prospectus, and they may also be made a part of this prospectus by reference to other documents filed with the SEC, which is known as incorporation by reference.

Words such as may, anticipate, estimate, expects, projects, intends, plans, believes and words and terms of similar substance used i with any discussion of future operating or financial performance, identify forward-looking statements. All forward-looking statements are management s present expectations of future events and are subject to a number of risks and uncertainties that could cause actual results to differ materially from those described in the forward-looking statements. These risks include, but are not limited to, the risks and uncertainties set forth in Risk Factors, beginning on page 2 of this prospectus, as well as those set forth in our other SEC filings incorporated by reference herein.

In light of these assumptions, risks and uncertainties, the results and events discussed in the forward-looking statements contained in this prospectus or in any document incorporated by reference might not occur. You are cautioned not to place undue reliance on the forward-looking statements, which speak only as of the date of this prospectus or the date of the document incorporated by reference in this prospectus. We are not under any obligation, and we expressly disclaim any obligation, to update or alter any forward-looking statements, whether

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as a result of new information, future events, or otherwise. All subsequent forward-looking statements attributable to us or to any person acting on our behalf are expressly qualified in their entirety by the cautionary statements contained or referred to in this section.

USE OF PROCEEDS

We will not receive any proceeds from the sale by the selling stockholders of the securities offered by this prospectus.

SELLING STOCKHOLDERS

The selling stockholders acquired the shares covered by this prospectus from us in connection with our acquisition of Impella CardioSystems AG. The shares are subject to transfer restrictions set forth in a registration rights and stock restriction agreement dated May 10, 2005 between us and the selling stockholders. The following table sets forth information with respect to the beneficial ownership of our common stock by the selling stockholders as of September 19, 2006 and upon completion of the sale of all the shares offered under this prospectus. However, this does not necessarily mean that any of the selling stockholders will sell any or all of the shares being registered. For purposes of this table, we have assumed that the selling stockholders will sell all of the shares being offered by this prospectus.

For purposes of the following table, beneficial ownership is determined in accordance with rules promulgated by the SEC. Under the rules, shares of our common stock issuable under options that are currently exercisable or exercisable within 60 days after September 19, 2006, are deemed outstanding and are included in the number of shares beneficially owned by a person or entity named in the table and are used to compute the percentage ownership of that person or entity. These shares are not, however, deemed outstanding for computing the percentage ownership of any other person or entity. The inclusion of shares listed as beneficially owned does not constitute an admission of beneficial ownership. We have calculated the percentage beneficially owned based upon 26,692,319 shares of common stock outstanding as of September 19, 2006.

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	Shares beneficially owned before offering** Right to			Number of Shares to be beneficially owned after offering** shares to Right to					
	Outstanding	acquire	Total	Percent	be offered	Outstanding	acquire	Total	Percent
Oxford Bioscience Partnership IV	outstanding	acquire			or orier ea	o unsumming	mequire	1000	10100110
Limited Partnership(4).	797,143		797,143	3.0%	748,820	48,323		48,323	*
ABN Amro Participaties B.V.(1)	793,667		793,667	3.0%	752,300	41,367		41,367	*
Medica II Investments (International) LP(2)(3)	560,028		560,028	2.1%	527,259	32,769		32,769	*
Giza GE Venture Fund III L.P.(5)	287,677		287,677	1.1%	272,683	14,994		14,994	*
Medica II Investments (Israel) L.P.(2)(3)	171,916		171,916	*	161,857	10,059		10,059	*
Thorsten Siess(6)	128,748	8,750	137,498	*	122,038	6,710	8,750	15,460	*
Arthur Pergament	111,106		111,106	*	105,315	5,791		5,791	*
Martin Leon	86,270		86,270	*	81,774	4,496		4,496	*
Medica II Investments (P.F.)									
(Israel) L.P. (2)(3)	83,497		83,497	*	78,612	4,885		4,885	*
Richard Geoffrion(7)	68,274		68,274	*	61,700	6,574		6,574	*
Giza Alpinvest Venture Fund III L.P.(5)	60,775		60,775	*	57,608	3,167		3,167	*
Giza Venture Fund III L.P.(5)	49,525		49,525	*	46,944	2,581		2,581	*
Daniel Burkhoff	48,035		48,035	*	45,011	3,024		3,024	*
Rolf Kaese(8)	41,748		41,748	*	35,038	6,710		6,710	*
Paul Spence(9)	32,860		32,860	*	29,605	3,255		3,255	*
Mark Maguire(10)	30,530		30,530	*	27,506	3,024		3,024	*
Donald Baim	29,015		29,015	*	27,503	1,512		1,512	*
Paul Teirstein	29,015		29,015	*	27,503	1,512		1,512	*
Eberhard Grube	29,012		29,012	*	27,500	1,512		1,512	*
The Estate of Dr. Helmut Reul	24,361		24,361	*	23,092	1,269		1,269	*
Giza Executive Venture Fund III L.P.(5)	15,166		15,166	*	14,376	790		790	*
Dirk Michels(11)	6,999	6,250	13,249	*	6,472	527	6,250	6,777	*
Gunter Rau	12,846		12,846	*	12,000	846		846	*
Christoph Nix(11)	11,984		11,984	*	11,360	624		624	*
Giza Gmulot Venture Fund III L.P.(5)	10,144		10,144	*	9,616	528		528	*
Guido Derjung(11)	9,712		9,712	*	8,962	750		750	*
Sebastian Schwandter(11)	9,583		9,583	*	8,962	621		621	*
mRNA Fund II L.P.	8,692		8,692	*	8,208	484		484	*
Paolo Cremascoli	6,246		6,246	*	5,921	325		325	*
Total:	3,554,574	15,000	3,569,574	13.4%	3,345,545	209,029	15,000	224,029	*

Less than one percent.

- (6) Served as Chief Technology Officer of Impella CardioSystems AG prior to our acquisition of Impella on May 10, 2005, continues to be employed by Abiomed Europe, and serves as Chief Technology Officer of Impella.
- (7) Served as Chairman of the Supervisory Board of Impella CardioSystems AG prior to our acquisition of Impella on May 10, 2005.
- (8) Served as the Chief Executive Officer of Impella CardioSystems AG prior to our acquisition of Impella on May 10, 2005.
- (9) Served as a consultant to Impella CardioSystems AG prior to our acquisition of Impella on May 10, 2005.
- (10) Served as a consultant to Impella CardioSystems AG prior to our acquisition of Impella on May 10, 2005 and continues to provide consulting services to Abiomed Europe.
- (11) Served as an employee of Impella CardioSystems AG prior to our acquisition of Impella on May 10, 2005 and continues to be employed by Abiomed Europe.

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^{**} The shares beneficially owned before and after the offering include each selling stockholder s whole share, pro rata interest in 210,000 shares of our common stock that have been issued in escrow for the benefit of the selling stockholders, in accordance with the terms of our acquisition of Impella CardioSystems AG

⁽¹⁾ Martin van Osch, an employee of ABN AMRO Bank NV, was a member of the Supervisory Board of Impella Cardiosystems AG prior to our acquisition of Impella on May 10, 2005.

⁽²⁾ Collectively, Medica II Investments (International) LP, Medica II Investments (Israel) L.P. and Medica II Investments (P.F) (Israel) L.P. beneficially own 3.1% of our outstanding shares prior to the offering.

⁽³⁾ Medica II Investments (International) LP, Medica II Investments (Israel) L.P. and Medica II Investments (P.F.)(Israel) L.P. are controlled by Yuval Binur, who was a member of the Supervisory Board of Impella CardioSystems AG prior to our acquisition of Impella on May 10, 2005.

⁽⁴⁾ ORP Management IV LP is the general partner of Oxford Bioscience Partners IV LP and mRNA Fund II L.P. Jeffrey Barnes, the general partner of ORP Management IV LP was a member of the Board of Directors of Impella CardioSystems AG prior to our acquisition of Impella on May 10, 2005. Collectively, Oxford Bioscience Partners IV LP and mRNA Fund II L.P. beneficially own 3.0% of our outstanding shares prior to the offering.

⁽⁵⁾ Giza Alpinvest Venture Fund III L.P, Giza Executive Venture Fund III L.P., Giza GE Venture Fund III L.P., Giza Gmulot Venture Fund III L.P. and Giza Venture Fund III L.P. all have the same managing directors. Combined, these entities beneficially own approximately 1.6% of our outstanding shares prior to the offering.

PLAN OF DISTRIBUTION

We are registering the shares covered by this prospectus on behalf of the selling stockholders. All costs, expenses and fees connected with the registration of these shares will be borne by us. Any brokerage commissions and similar expenses connected with selling the shares will be borne by the selling stockholders. The selling stockholders may offer and sell the shares covered by this prospectus from time to time in one or more transactions. The term—selling stockholder—includes pledgees, donees, transferees and other successors-in-interest who may acquire shares through a pledge, gift, partnership distribution or other non-sale related transfer from the selling stockholders. The selling stockholders will act independently of the Company in making decisions with respect to the timing, manner and size of each sale and they may sell shares on one or more exchanges, through the NASDAQ Global Market or other market, in the over-the-counter market or in privately negotiated transactions at prevailing market prices at the time of sale, at fixed prices, at varying prices determined at the time of the sale or at negotiated prices. These transactions include:

ordinary brokerage transactions and transactions in which the broker solicits purchasers;

purchases by a broker-dealer as principal and resale by the broker-dealer for its own account pursuant to this prospectus;

exchange or over-the-counter distributions in accordance with the rules of the exchange or the NASDAQ Global Market or other market:

block trades in which the broker-dealer attempts to sell the shares as agent but may position and resell a portion of the block as principal to facilitate the transaction;

a combination of any such method of sale; and

any other method permitted pursuant to applicable law. In connection with distributions of the shares or otherwise, the selling stockholders may:

sell the shares short and redeliver the shares to close out short positions;

enter into option or other transactions with broker-dealers or other financial institutions which require the delivery to them of shares covered by this prospectus, which they may in turn resell;

enter into hedging transactions with broker-dealers or other financial institutions, which may in turn engage in short sales of the shares in the course of hedging the positions they assume; and

pledge shares to broker-dealers or other financial institutions, which, upon a default, they may in turn resell. The selling stockholders may also sell any shares under Rule 144 rather than with this prospectus if the sale meets the requirements of that rule.

In effecting sales, the selling stockholders may engage broker-dealers or agents, who may in turn arrange for other broker-dealers to participate. Broker-dealers or agents may receive commissions, discounts or concessions from the selling stockholders and/or from the purchasers of shares for whom the broker-dealers may act as agents or to whom they sell as principal, or both. The compensation to a particular broker-dealer may be

in excess of customary commissions. To our knowledge, there is currently no plan, arrangement or understanding between any selling stockholder and any broker-dealer or agent regarding the sale of any shares by the selling stockholders.

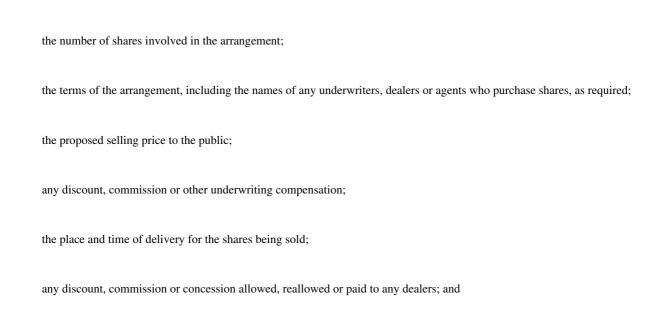
The selling stockholders, any broker-dealers or agents and any participating broker-dealers that act in connection with the sale of the shares covered by this prospectus may be underwriters under the Securities Act with respect to those shares and will be subject to the prospectus delivery requirements of that act. Any profit that

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the selling stockholders realize, and any compensation that any broker-dealer or agent may receive in connection with any sale, including any profit realized on resale of shares acquired as principal, may constitute underwriting discounts and commissions. If the selling stockholders are deemed to be underwriters, the selling stockholders may be subject to certain liabilities under statutes including, but not limited to, Section 11, 12 and 17 of the Securities Act and Section 10(b) and Rule 10b-5 under the Exchange Act.

The securities laws of some states may require the selling stockholders to sell the shares in those states only through registered or licensed brokers or dealers. These laws may also require that we register or qualify the shares for sale in those states unless an exemption from registration and qualification is available and the selling stockholders and we comply with that exemption. In addition, the anti-manipulation rules of Regulation M under the Securities Exchange Act of 1934 may apply to sales of shares in the market and to the activities of the selling stockholders and their affiliates. Regulation M may restrict the ability of any person engaged in the distribution of the shares to engage in market-making activities with respect to the shares. All of the foregoing may affect the marketability of the shares and the ability of any person to engage in market-making activities with respect to the shares.

If the selling stockholder notifies us that he has entered into any material arrangement with a broker-dealer for the sale of shares through a block trade, special offering, exchange distribution, over-the-counter distribution or secondary distribution, or a purchase by a broker or dealer, we will file any necessary supplement to this prospectus to disclose:



any other material terms of the distribution of shares.

In addition, if the selling stockholder notifies us that a donee, pledgee, transferee or other successor-in-interest of the selling stockholder intends to sell more than 500 shares, we will file a supplement to this prospectus.

The selling stockholders will pay any underwriting discounts and commissions, any expenses incurred by the selling stockholders for brokerage, accounting, tax or legal services, and any other expenses incurred by the selling stockholders in disposing of the shares. We will pay the expenses we have incurred in connection with preparing and filing the registration statement and this prospectus. The selling stockholders may indemnify any broker-dealer or agent that participates in transactions involving the sale of the shares against liabilities, including liabilities under the Securities Act.

Pursuant to the registration rights and stock restriction agreement filed as an exhibit to this registration statement, we and the selling stockholders will be indemnified by the other against certain liabilities, including certain liabilities under the Securities Act or, if the indemnity is unavailable, will be entitled to contribution in connection with these liabilities.

Our common stock trades on the NASDAQ Global Market under the symbol ABMD.

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WHERE YOU CAN FIND MORE INFORMATION

We file annual reports, quarterly reports, current reports, proxy statements and other information with the SEC. You may read and copy any of our SEC filings at the SEC s Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. You may call the SEC at 1-800-SEC-0330 for further information about the Public Reference Room. Our SEC filings are also available to the public on the SEC s web site at www.sec.gov.

Our principal internet address is www.abiomed.com. Information contained on our website is not incorporated by reference into this prospectus and, therefore, is not part of this prospectus or any accompanying prospectus supplement.

INFORMATION INCORPORATED BY REFERENCE

The SEC allows us to incorporate by reference information from some of our other SEC filings. This means that we can disclose information to you by referring you to those other filings, and the information incorporated by reference is considered to be part of this prospectus. In addition, some information that we file with the SEC after the date of this prospectus will automatically update, and in some cases supersede, the information contained or otherwise incorporated by reference in this prospectus. The following documents, which we filed with the Securities and Exchange Commission, are incorporated by reference in this registration statement:

- (a) Our annual report on Form 10-K for the fiscal year ended March 31, 2006 (as filed on June 14, 2006);
- (b) Our quarterly report on Form 10-Q for the fiscal quarter ended June 30, 2006 (as filed on August 9, 2006);
- (c) Our current report on Form 8-K/A dated May 10, 2005 (as filed on July 27, 2005);
- (d) Our current report on Form 8-K dated May 25, 2006 (as filed on May 25, 2006);
- (e) Our current report on Form 8-K dated May 30, 2006 (as filed on June 1, 2006);
- (f) Our current report on Form 8-K dated June 27, 2006 (as filed on June 28, 2006);
- (g) Our current report on Form 8-K dated September 5, 2006 (as filed on September 5, 2006);
- (h) Our current report on Form 8-K dated September 5, 2006 (as filed on September 8, 2006);
- (i) Portions of our proxy statement on Schedule 14A filed with the SEC on July 10, 2006 that have been incorporated by reference into our annual report on Form 10-K; and
- (j) The description of our common stock contained in our registration statement on Form 8-A filed with the SEC under Section 12 of the Securities Exchange Act of 1934, including any amendment or report filed for the purpose of updating such description.

 Also incorporated by reference into this prospectus are all documents that we may file with the SEC under Sections 13(a), 13(c), 14, or 15(d) of the Exchange Act either (1) after the initial filing of this prospectus and before the date the registration statement is declared effective and (2) after the date of this prospectus and before we stop offering the securities described in this prospectus. These documents include periodic reports, such as annual reports on Form 10-K, quarterly reports on Form 10-Q, and current reports on Form 8-K, as well as proxy statements. Pursuant to General Instruction B of Form 8-K, any information submitted under Item 2.02, Results of Operations and Financial Condition, or Item 7.01, Regulation FD Disclosure, of Form 8-K is not deemed to be filed for the purpose of Section 18 of the Exchange Act, and we are not subject to the liabilities of Section 18 with respect to information submitted under Item 2.02 or Item 7.01 of Form 8-K. We are not incorporating by reference any information submitted under Item 2.02 or Item 7.01 of Form 8-K into any filing under the Securities Act or the Exchange Act or into this prospectus. Any statement, contained herein or in a document incorporated or deemed to be incorporated by reference herein, shall be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement, contained herein or in any other subsequently filed document which also is or is deemed to be incorporated by reference herein, modifies or supersedes such statement.

You may request copies of these filings, at no cost, by writing to or calling our Investor Relations department at:

ABIOMED, Inc.

22 Cherry Hill Drive

Danvers, Massachusetts 01923

Telephone: (978) 777-5410

This prospectus is part of a registration statement on Form S-3 that we filed with the SEC under the Securities Act. This prospectus does not contain all of the information contained in the registration statement. For further information about us and our securities, you should read the prospectus and the exhibits filed with the registration statement, as well as all prospectus supplements.

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LEGAL MATTERS

The validity of the shares of common stock offered in this prospectus has been passed upon for us by Foley Hoag LLP, Boston, Massachusetts.

EXPERTS

The financial statements included in this Prospectus and management s assessment of the effectiveness of internal control over financial reporting (which is included in Management s Report on Internal Control over Financial Reporting) incorporated in this Prospectus by reference to the Annual Report on Form 10-K of ABIOMED, Inc. for the year ended March 31, 2006 and the audited historical financial statements included in Exhibit 99.2 of ABIOMED, Inc. s Current Report on Form 8-K/A filed on July 27, 2005 have been so incorporated in reliance on the reports of PricewaterhouseCoopers LLP, an independent registered public accounting firm, given on the authority of said firm as experts in auditing and accounting.

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ABIOMED, INC. AND SUBSIDIARIES

Consolidated Financial Statements

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Report of Independent Registered Public Accounting Firm

To the Board of Directors and Stockholders of ABIOMED, Inc.:

We have completed integrated audits of ABIOMED Inc. s 2006 and 2005 consolidated financial statements and of its internal control over financial reporting as of March 31, 2006, and an audit of its 2004 consolidated financial statements in accordance with the standards of the Public Company Accounting Oversight Board (United States). Our opinions, based on our audits, are presented below.

Consolidated financial statements and financial statement schedule

In our opinion, the consolidated financial statements listed in the accompanying index present fairly, in all material respects, the financial position of ABIOMED, Inc. and its subsidiaries at March 31, 2006 and 2005, and the results of their operations and their cash flows for each of the three years in the period ended March 31, 2006 in conformity with accounting principles generally accepted in the United States of America. In addition, in our opinion, the financial statement schedule listed in the index appearing under Item 15(a)(2) (not separately included herein) presents fairly, in all material respects, the information set forth therein when read in conjunction with the related consolidated financial statements. These financial statements and financial statement schedule are the responsibility of the Company s management. Our responsibility is to express an opinion on these financial statements and financial statement schedule based on our audits. We conducted our audits of these statements 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 of financial statements 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, and evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

Internal control over financial reporting

Also, in our opinion, management s assessment, included in Management s Report on Internal Control over Financial Reporting appearing under Item 9A (not separately included herein), that the Company maintained effective internal control over financial reporting as of March 31, 2006 based on criteria established in *Internal Control Integrated Framework* issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO), is fairly stated, in all material respects, based on those criteria. Furthermore, in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of March 31, 2006, based on criteria established in *Internal Control Integrated Framework* issued by the COSO. The Company s management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting. Our responsibility is to express opinions on management s assessment and on the effectiveness of the Company s internal control over financial reporting based on our audit. We conducted our audit of internal control over financial reporting 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 effective internal control over financial reporting was maintained in all material respects. An audit of internal control over financial reporting includes obtaining an understanding of internal control over financial reporting, evaluating management s assessment, testing and evaluating the design and operating effectiveness of internal control, and performing such other procedures as we consider necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinions.

A company s internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company s internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) provide reasonable

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assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company s assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate. As described in Management s Report on Internal Control over Financial Reporting, management has excluded Impella Cardiosystems GmbH from its assessment of internal control over financial reporting as of March 31, 2006 because it was acquired by the Company in a purchase business combination during the year ended March 31, 2006. We have also excluded Impella Cardiosystems GmbH from our audit of internal control over financial reporting. Impella Cardiosystems GmbH is a wholly-owned subsidiary whose total consolidated assets and total consolidated revenues represent 6% and 6%, respectively, of the related consolidated financial statement amounts as of and for the year ended March 31, 2006.

PricewaterhouseCoopers LLP

Boston, Massachusetts

June 12, 2006

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ABIOMED, INC. AND SUBSIDIARIES

Consolidated Balance Sheets

(in thousands, except share data)

Current Asserts		3	March		2007	
Current Assets	Assets	20	UU3		2006	
Short-term marketable securities 33,887 23,002 Accounts receivable, net of allowance for doubtful accounts of approximately \$64 and \$211 at March 31, 2005 and 2006, respectively 8,635 8,886 1,8861 1,2007 1,866 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,2	Current Assets:					
Short-term marketable securities 33,887 23,002 Accounts receivable, net of allowance for doubtful accounts of approximately \$64 and \$211 at March 31, 2005 and 2006, respectively 8,635 8,886 1,8861 1,2007 1,866 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,866 1,2007 1,2	Cash and cash equivalents	\$	7,618	\$	7,832	
2005 and 2006, respectively	Short-term marketable securities	3	33,887		23,003	
Inventories 3,877 4,866 Prepaid expenses and other current assets 1,207 1,866 Total current assets 55,224 46,442 Long-term Investments 2,112 Property and Equipment, net of accumulated depreciation of \$10,867 and \$12,077 at March 31, 2005 and 2,100 2,804 4,822 2,804 4,822 1,806 1,806 1,806 1,910 1,910 1,910	Accounts receivable, net of allowance for doubtful accounts of approximately \$64 and \$211 at March 31,					
Prepaid expenses and other current assets	2005 and 2006, respectively				8,880	
Total current assets	Inventories				4,868	
Long-term Investments	Prepaid expenses and other current assets		1,207		1,860	
Long-term Investments	Total current assets	5	55,224		46,443	
Property and Equipment, net of accumulated depreciation of \$10.867 and \$12,077 at March 31, 2005 and 2006, respectively	Long-term Investments					
Intangible Assets, net	Property and Equipment, net of accumulated depreciation of \$10,867 and \$12,077 at March 31, 2005 and					
Condwill	2006, respectively		2,804		4,824	
Other Assets 503 Total Assets \$ 61,061 \$ 78,537 LIABILITIES AND STOCKHOLDERS EQUITY Current Liabilities: Accrued expenses 3,623 5,188 Deferred revenue 1,27 48e Total current liabilities 4,882 8,739 Deferred Income Taxes 310 Total Liabilities 4,882 9,049 Commitments and Contingencies 310 Stockholders Equity: 2 2 Class B Preferred Stock, \$,01 par value 3 3 Authorized 1,000,000 shares; Issued and outstanding No shares 3 3 Common Stock, \$,01 par value 3 3 Authorized 1,000,000,000 shares; Issued 22,079,311 shares at March 31, 2005 and 26,474,270 at March 31, 2006 3 2 Issued 22,079,311 shares at March 31, 2005 and 26,468,091 at March 31, 2006 221 26 Additional paid-in capital 170,095 214,666 Deferred stock-based compensation (278) 1(13,89) 1(13,89) Accumulated deficit (113,89) 1(13,60) <td< td=""><td>Intangible Assets, net</td><td></td><td>418</td><td></td><td>8,164</td></td<>	Intangible Assets, net		418		8,164	
Total Assets \$61,061 \$78,537	Goodwill				19,106	
Current Liabilities: Sacounts payable Salas Sa	Other Assets		503			
Current Liabilities: Accounts payable \$1,132 \$3,076 Accounts payable \$1,32 \$3,076 Accounted expenses \$1,623 \$5,185 Deferred revenue 127 484 Total current liabilities 4,882 8,739 Deferred Income Taxes 316 Total Liabilities 4,882 9,049 Commitments and Contingencies	Total Assets	\$ 6	51,061	\$	78,537	
Accounts payable \$ 1,132 \$ 3,070 Accrued expenses 3,623 5,185 Deferred revenue 127 486 Total current liabilities 4,882 8,735 Deferred Income Taxes 310 Total Liabilities 4,882 9,045 Commitments and Contingencies Stockholders Equity: Class B Preferred Stock, \$.01 par value Authorized 1,000,000 shares; Issued and outstanding No shares Common Stock, \$.01 par value Authorized 10,000,000 shares; Issued and outstanding No shares Common Stock, \$.01 par value Authorized 10,000,000 shares; Issued and outstanding No shares Common Stock, \$.01 par value Authorized 10,000,000 shares; Issued 26,474,270 at March 31, 2006 Outstanding 22,079,311 shares at March 31, 2005 and 26,474,270 at March 31, 2006 Outstanding 22,079,311 shares at March 31, 2005 and 26,468,091 at March 31, 2006 Deferred stock-based compensation (278) (173,308 Accumulated deficit (13,859) (143,308 Treasury stock, at cost; 6,179 shares at March 31, 2006 (66	LIABILITIES AND STOCKHOLDERS EQUITY					
Accrued expenses 3,623 5,185 Deferred revenue 127 486 Total current liabilities 4,882 8,735 Deferred Income Taxes 310 Total Liabilities 4,882 9,045 Commitments and Contingencies 5 Stockholders Equity: Class B Preferred Stock, \$.01 par value Authorized 1,000,000 shares; Issued and outstanding No shares Common Stock, \$.01 par value Authorized 100,000,000 shares; Issued 22,079,311 shares at March 31, 2005 and 26,474,270 at March 31, 2006 Outstanding 22,079,311 shares at March 31, 2005 and 26,468,091 at March 31, 2006 Additional paid-in capital 170,095 214,666 Deferred stock-based compensation (278) (17) Accumulated deficit (113,859) (143,308 Treasury stock, at cost; 6,179 shares at March 31, 2006 (66)	Current Liabilities:					
Deferred revenue	Accounts payable	\$	1,132	\$	3,070	
Total current liabilities	Accrued expenses		3,623		5,185	
Deferred Income Taxes 310	Deferred revenue		127		484	
Total Liabilities 4,882 9,049 Commitments and Contingencies Stockholders Equity: Class B Preferred Stock, \$.01 par value Authorized 1,000,000 shares; Issued and outstanding No shares Common Stock, \$.01 par value Authorized 100,000,000 shares; Issued 22,079,311 shares at March 31, 2005 and 26,474,270 at March 31, 2006 Outstanding 22,079,311 shares at March 31, 2005 and 26,468,091 at March 31, 2006 Additional paid-in capital 170,095 214,666 Deferred stock-based compensation (278) (173,400) Accumulated deficit (113,859) (143,308) Treasury stock, at cost; 6,179 shares at March 31, 2006	Total current liabilities		4,882		8,739	
Commitments and Contingencies Stockholders Equity: Class B Preferred Stock, \$.01 par value Authorized 1,000,000 shares; Issued and outstanding No shares Common Stock, \$.01 par value Authorized 100,000,000 shares; Issued 22,079,311 shares at March 31, 2005 and 26,474,270 at March 31, 2006 Outstanding 22,079,311 shares at March 31, 2005 and 26,468,091 at March 31, 2006 Additional paid-in capital 170,095 214,666 Deferred stock-based compensation (278) (17) Accumulated deficit (113,859) (143,308) Treasury stock, at cost; 6,179 shares at March 31, 2006	Deferred Income Taxes				310	
Stockholders Equity: Class B Preferred Stock, \$.01 par value Authorized 1,000,000 shares; Issued and outstanding No shares Common Stock, \$.01 par value Authorized 100,000,000 shares; Issued 22,079,311 shares at March 31, 2005 and 26,474,270 at March 31, 2006 Outstanding 22,079,311 shares at March 31, 2005 and 26,468,091 at March 31, 2006 221 265 Additional paid-in capital 170,095 214,666 Deferred stock-based compensation (278) (177) Accumulated deficit (113,859) (143,308) Treasury stock, at cost; 6,179 shares at March 31, 2006 (66	Total Liabilities		4,882		9,049	
Stockholders Equity: Class B Preferred Stock, \$.01 par value Authorized 1,000,000 shares; Issued and outstanding No shares Common Stock, \$.01 par value Authorized 100,000,000 shares; Issued 22,079,311 shares at March 31, 2005 and 26,474,270 at March 31, 2006 Outstanding 22,079,311 shares at March 31, 2005 and 26,468,091 at March 31, 2006 221 265 Additional paid-in capital 170,095 214,666 Deferred stock-based compensation (278) (177) Accumulated deficit (113,859) (143,308) Treasury stock, at cost; 6,179 shares at March 31, 2006 (66						
Class B Preferred Stock, \$.01 par value Authorized 1,000,000 shares; Issued and outstanding No shares Common Stock, \$.01 par value Authorized 100,000,000 shares; Issued 22,079,311 shares at March 31, 2005 and 26,474,270 at March 31, 2006 Outstanding 22,079,311 shares at March 31, 2005 and 26,468,091 at March 31, 2006 Additional paid-in capital 170,095 214,666 Deferred stock-based compensation (278) (17) Accumulated deficit (113,859) (143,308) Treasury stock, at cost; 6,179 shares at March 31, 2006						
Authorized 1,000,000 shares; Issued and outstanding No shares Common Stock, \$.01 par value Authorized 100,000,000 shares; Issued 22,079,311 shares at March 31, 2005 and 26,474,270 at March 31, 2006 Outstanding 22,079,311 shares at March 31, 2005 and 26,468,091 at March 31, 2006 Additional paid-in capital 170,095 214,666 Deferred stock-based compensation (278) (17) Accumulated deficit (113,859) (143,308) Treasury stock, at cost; 6,179 shares at March 31, 2006						
Common Stock, \$.01 par value Authorized 100,000,000 shares; Issued 22,079,311 shares at March 31, 2005 and 26,474,270 at March 31, 2006 Outstanding 22,079,311 shares at March 31, 2005 and 26,468,091 at March 31, 2006 221 265 Additional paid-in capital 170,095 214,666 Deferred stock-based compensation (278) (171 Accumulated deficit (113,859) (143,308 Treasury stock, at cost; 6,179 shares at March 31, 2006 (66						
Authorized 100,000,000 shares; Issued 22,079,311 shares at March 31, 2005 and 26,474,270 at March 31, 2006 Outstanding 22,079,311 shares at March 31, 2005 and 26,468,091 at March 31, 2006 Additional paid-in capital Deferred stock-based compensation Accumulated deficit Treasury stock, at cost; 6,179 shares at March 31, 2006 (666)						
Issued 22,079,311 shares at March 31, 2005 and 26,474,270 at March 31, 2006 221 265 Outstanding 22,079,311 shares at March 31, 2005 and 26,468,091 at March 31, 2006 170,095 214,666 Additional paid-in capital (278) (17) Deferred stock-based compensation (278) (17) Accumulated deficit (113,859) (143,308) Treasury stock, at cost; 6,179 shares at March 31, 2006 (66						
Outstanding 22,079,311 shares at March 31, 2005 and 26,468,091 at March 31, 2006 221 265 Additional paid-in capital 170,095 214,666 Deferred stock-based compensation (278) (177 Accumulated deficit (113,859) (143,308 Treasury stock, at cost; 6,179 shares at March 31, 2006 (66						
Additional paid-in capital 170,095 214,666 Deferred stock-based compensation (278) (17) Accumulated deficit (113,859) (143,308) Treasury stock, at cost; 6,179 shares at March 31, 2006 (66			221		265	
Deferred stock-based compensation (278) (171) Accumulated deficit (113,859) (143,308) Treasury stock, at cost; 6,179 shares at March 31, 2006 (66)		17				
Accumulated deficit (113,859) (143,308 Treasury stock, at cost; 6,179 shares at March 31, 2006 (66					(171	
Treasury stock, at cost; 6,179 shares at March 31, 2006 (66)	Accumulated deficit	(11		(
	Treasury stock, at cost; 6,179 shares at March 31, 2006				(66	
	Accumulated other comprehensive loss				(1,898	

Total stockholders equity	56,179	69,488
Total Liabilities and Stockholders equity	\$ 61,061	\$ 78 537

The accompanying notes are an integral part of these consolidated financial statements.

ABIOMED, INC. AND SUBSIDIARIES

Consolidated Statements of Operations

(in thousands, except per share and share data)

		Fiscal Years Ended March 31, 2004 2005			31,	2006		
Revenues:								
Products	\$	25,070	\$	37,945	\$	43,322		
Funded research and development		669		271		348		
		25,739		38,216		43,670		
Costs and Expenses:								
Cost of product revenues, (excluding amortization)		7,591		9,366		11,685		
Research and development		14,150		13,350		16,739		
Selling, general and administrative		14,037		18,566		30,923		
Acquired in-process research and development						13,306		
Amortization of intangibles		213		187		1,308		
		35,991		41,469		73,961		
Loss From Operations		(10,252)		(3,253)		(30,291)		
Other Income, net:								
Investment income		634		801		1,194		
Foreign exchange gain(loss)		156		91		(116)		
Other		16		19		120		
		806		911		1,198		
Loss Before Provision for Income Taxes		(9,446)		(2,342)		(29,093)		
Provision for Income Taxes						356		
Net Loss	\$	(9,446)	\$	(2,342)	\$	(29,449)		
Basic and Diluted Net Loss per Share:	\$	(0.45)	\$	(0.11)	\$	(1.15)		
Weighted Average Shares Outstanding:	21,153,014		21,844,759		2:	5,649,038		

The accompanying notes are an integral part of these consolidated financial statements.

ABIOMED, INC. AND SUBSIDIARIES

Consolidated Statements of Stockholders Equity

(in thousands, except share data)

	Common		Accumulated	l Deferred		A	ccumulated Other	Total Co	mprehensive
	Number	Par	Accumulated Paid-in		Accumulated '	Тиоления			•
	of Shares	Value	Capital	Compensation		Stock	Income	Equity	(Loss)
Balance, March 31, 2003	21,047,918	\$ 210		\$	\$ (102.071)			\$ 62.090	(11033)
Stock options exercised	295,272	3	1,452	*	+ (,)	· ·	Ŧ	1,455	
Stock issued under employee stock purchase			-,					-,	
plan	28,837	1	133					134	
Stock issued to directors	14,892		88					88	
Deferred compensation related to employee									
stock option grants			72	(72)					
Amortization of deferred compensation				15				15	
Net loss					(9,446)			(9,446)	
Balance, March 31, 2004	21,386,919	214	165,696	(57)	(111,517)			54,336	
Stock options exercised	665,437	7	3,919	(0.)	(===,==,)			3,926	
Stock issued under employee stock purchase	,		,					,	
plan	21,287		161					161	
Stock issued to directors	5,668		60					60	
Deferred compensation related to employee									
stock option grants			259	(259)					
Amortization of deferred compensation				38				38	
Net loss					(2,342)			(2,342)	
Balance, March 31, 2005	22,079,311	221	170,095	(278)	(113,859)			56,179	
Stock issued to acquire Impella CardioSystems									
AG	4,029,004	40	42,160					42,200	
Restricted stock	24,000	1		86				87	
Stock options exercised	313,628	3	1,952					1,955	
Stock issued under employee stock purchase									
plan	23,970		204					204	
Stock issued to directors	4,357		56					56	
Amortization of deferred compensation			(9)) 21				12	