



PROSPECTUS SUPPLEMENT  
(TO PROSPECTUS DATED OCTOBER 23, 2002)

You should read this prospectus supplement and the related prospectus carefully before you invest. Both documents contain information you should consider when making your investment decision.

The information contained in this prospectus supplement updates the information in the prospectus filed on October 23, 2002. To the extent that there is a discrepancy between the information contained herein and the information in the initial prospectus, the information contained herein supercedes and replaces such conflicting information.

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SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

**FORM 10-Q**

(Mark One)

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934 FOR THE QUARTERLY PERIOD ENDED SEPTEMBER 30, 2002, OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934 FOR THE TRANSITION PERIOD FROM \_\_\_\_\_ TO \_\_\_\_\_

Commission file number 0-22025

**AASTROM BIOSCIENCES, INC.**

(Exact name of registrant as specified in its charter)

Michigan

94-3096597

(State or other jurisdiction of  
incorporation or organization)

(I.R.S. employer  
identification no.)

24 Frank Lloyd Wright Dr.  
P.O. Box 376  
Ann Arbor, Michigan

48106

(Address of principal executive offices)

(Zip code)

(734) 930-5555

(Registrant's telephone number, including area code)

(Former name, former address and former fiscal year, if changed since last report)

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Yes     No

Indicate the number of shares outstanding of each of the issuer's classes of common stock as of the latest practicable date.

COMMON STOCK, NO PAR VALUE  
(Class)

47,904,479  
Outstanding at November 12, 2002

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AASTROM BIOSCIENCES, INC.  
Quarterly Report on Form 10-Q  
September 30, 2002

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**PART I — FINANCIAL INFORMATION***Item 1. Financial Statements*AASTROM BIOSCIENCES, INC.  
(a development stage company)

## CONSOLIDATED CONDENSED BALANCE SHEETS

	June 30, 2002	September 30, 2002
		<i>(Unaudited)</i>
<b>Assets</b>		
CURRENT ASSETS:		
Cash and cash equivalents	\$ 8,605,000	\$ 6,930,000
Short-term investments	1,000,000	1,000,000
Receivables, net	120,000	117,000
Inventory, net	1,397,000	1,485,000
Other current assets	225,000	504,000
	<u>11,347,000</u>	<u>10,036,000</u>
Total current assets	11,347,000	10,036,000
PROPERTY, NET	206,000	178,000
	<u>206,000</u>	<u>178,000</u>
Total assets	<u>\$ 11,553,000</u>	<u>\$ 10,214,000</u>
<b>Liabilities and Shareholders' Equity</b>		
CURRENT LIABILITIES:		
Accounts payable and accrued expenses	\$ 589,000	\$ 668,000
Accrued employee expenses	161,000	167,000
	<u>750,000</u>	<u>835,000</u>
Total current liabilities	750,000	835,000
SHAREHOLDERS' EQUITY:		
Common stock, no par value; shares authorized — 100,000,000; shares issued and outstanding — 43,726,557 and 45,934,129, respectively	104,600,000	105,628,000
Deficit accumulated during the development stage	(93,797,000)	(96,249,000)
	<u>10,803,000</u>	<u>9,379,000</u>
Total shareholders' equity	10,803,000	9,379,000
Total liabilities and shareholders' equity	<u>\$ 11,553,000</u>	<u>\$ 10,214,000</u>

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

AASTROM BIOSCIENCES, INC.  
(a development stage company)CONSOLIDATED CONDENSED STATEMENTS OF OPERATIONS  
(Unaudited)

	Three months ended September 30,		March 24, 1989 (Inception) to September 30,
	2001	2002	2002
<b>REVENUES:</b>			
Product sales and rentals	\$ —	\$ 7,000	\$ 375,000
Research and development agreements	—	—	2,020,000
Grants	151,000	86,000	5,914,000
Total revenues	151,000	93,000	8,309,000
<b>COSTS AND EXPENSES:</b>			
Cost of product sales and rentals	40,000	88,000	1,560,000
Research and development	1,207,000	1,385,000	82,886,000
Selling, general and administrative	919,000	1,113,000	25,223,000
Total costs and expenses	2,166,000	2,586,000	109,669,000
LOSS FROM OPERATIONS	(2,015,000)	(2,493,000)	(101,360,000)
<b>OTHER INCOME (EXPENSE):</b>			
Other income	—	—	1,237,000
Interest income	122,000	41,000	5,109,000
Interest expense	—	—	(267,000)
Total other income	122,000	41,000	6,079,000
NET LOSS	<u>\$ (1,893,000)</u>	<u>\$ (2,452,000)</u>	<u>\$ (95,281,000)</u>
<b>COMPUTATION OF NET LOSS APPLICABLE TO COMMON SHARES:</b>			
NET LOSS	<u>\$ (1,893,000)</u>	<u>\$ (2,452,000)</u>	
NET LOSS PER COMMON SHARE (Basic and Diluted)	<u>\$ (.05)</u>	<u>\$ (.05)</u>	
Weighted average number of common shares outstanding	<u>39,934,000</u>	<u>44,886,000</u>	

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

AASTROM BIOSCIENCES, INC.  
(a development stage company)

CONSOLIDATED CONDENSED STATEMENTS OF CASH FLOWS  
(Unaudited)

	Three months ended September 30,		March 24, 1989 (Inception) to September 30,
	2001	2002	2002
<b>OPERATING ACTIVITIES:</b>			
Net loss	\$ (1,893,000)	\$ (2,452,000)	\$ (95,281,000)
Adjustments to reconcile net loss to net cash used for operating activities:			
Depreciation and amortization	32,000	28,000	3,355,000
Loss on property held for resale	—	—	110,000
Amortization of discounts and premiums on investments	—	—	(543,000)
Stock compensation expense	—	159,000	823,000
Inventory write downs and reserves	40,000	88,000	1,317,000
Stock issued pursuant to license agreement	—	—	3,300,000
Changes in assets and liabilities:			
Receivables	19,000	3,000	(141,000)
Inventory	(174,000)	(176,000)	(2,802,000)
Other current assets	(211,000)	(279,000)	(504,000)
Accounts payable and accrued expenses	(120,000)	79,000	668,000
Accrued employee expenses	(15,000)	6,000	167,000
Net cash used for operating activities	(2,322,000)	(2,544,000)	(89,531,000)
<b>INVESTING ACTIVITIES:</b>			
Organizational costs	—	—	(73,000)
Purchase of short-term investments	(4,500,000)	—	(62,124,000)
Maturities of short-term investments	—	—	61,667,000
Capital purchases	(18,000)	—	(2,796,000)
Proceeds from sale of property held for resale	—	—	400,000
Net cash used for investing activities	(4,518,000)	—	(2,926,000)
<b>FINANCING ACTIVITIES:</b>			
Issuance of preferred stock	—	—	51,647,000
Issuance of common stock	6,841,000	869,000	45,432,000
Repurchase of common stock	—	—	(49,000)
Payments received for stock purchase rights	—	—	3,500,000
Payments received under shareholder notes	—	—	31,000
Principal payments under capital lease obligations	—	—	(1,174,000)
Net cash provided by financing activities	6,841,000	869,000	99,387,000
NET INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS	1,000	(1,675,000)	6,930,000
CASH AND CASH EQUIVALENTS AT BEGINNING OF PERIOD	10,659,000	8,605,000	—
CASH AND CASH EQUIVALENTS AT END OF PERIOD	\$10,660,000	\$ 6,930,000	\$ 6,930,000

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

**AASTROM BIOSCIENCES, INC.**  
**(A development stage company)**  
**NOTES TO CONSOLIDATED CONDENSED FINANCIAL STATEMENTS**  
*(Unaudited)*

**1. Organization**

Aastrom Biosciences, Inc. (Aastrom) was incorporated in March 1989 (Inception), began employee-based operations in 1991, and is in the development stage. We operate our business in one reportable segment — research and product development, conducted both on our own behalf and in connection with various collaborative research and development agreements with others, involving the development and sale of processes and products for the *ex vivo* production of human cells for use in cell and *ex vivo* gene therapy.

Successful future operations are subject to several technical and business risks, including satisfactory product development, obtaining regulatory approval and market acceptance for our products and our continued ability to obtain future funding.

The Company is subject to certain risks related to the operation of its business and development of its products and product candidates. While available cash and investments are expected to finance currently planned activities into the first quarter of fiscal year 2004 it will need to raise additional funds in order to complete its product development programs and commercialize its new product candidates. The Company cannot be certain that such funding will be available on favorable terms, if at all. Some of the factors that will impact the Company's ability to raise additional capital and its overall success include, the rate and degree of progress for its product development programs, the liquidity and volatility of its equity securities, regulatory and manufacturing requirements and uncertainties, technological developments by competitors and other factors. If the Company cannot raise such funds, it may not be able to develop or enhance products, take advantage of future opportunities, or respond to competitive pressures or unanticipated requirements, which would negatively impact its business, financial condition and results of operations.

The Company is currently pursuing additional sources of financing. If the Company cannot obtain additional funding prior to the end of the third quarter of fiscal year 2003, it will make substantial reductions in the scope and size of its operations, and may curtail activities currently planned to be resumed, in order to conserve cash until such funding is obtained.

## **2. Basis of Presentation**

The condensed consolidated financial statements included herein have been prepared by us without audit according to the rules and regulations of the Securities and Exchange Commission. Certain information and footnote disclosures normally included in financial statements prepared in accordance with generally accepted accounting principles in the United States have been omitted pursuant to such rules and regulations. The financial statements reflect, in the opinion of management, all adjustments necessary to present fairly the financial position and results of operations as of and for the periods indicated. The results of operations for the three months ended September 30, 2002, are not necessarily indicative of the results to be expected for the full year or for any other period.

The consolidated financial statements include the accounts of Aastrom and its wholly-owned subsidiary, Zeller AG (“Zeller”), which is located in Berlin, Germany (collectively, the “Company”). All significant inter-company transactions and accounts have been eliminated in consolidation.

These financial statements should be read in conjunction with the audited financial statements and the notes thereto included in our 2002 Annual Report on Form 10-K, as filed with the Securities and Exchange Commission.

## **3. Shareholders’ Equity**

We obtained additional equity of \$869,000 during the three months ended September 30, 2002 and issued 2,208,000 common shares in these transactions. These equity financings were transacted under our November 16, 2001 shelf registration and our Employee Stock Purchase Plan.

## **4. Net Loss Per Common Share**

Net loss per common share is computed using the weighted-average number of common shares outstanding during the period. Common equivalent shares are not included in the per share calculation where the effect of their inclusion would be anti-dilutive. The aggregate number of common equivalent shares that have been excluded from the computations of net loss per common share for the periods ended September 30, 2001 and 2002 is approximately 6,152,000 and 8,611,000, respectively.

## **5. Recent Accounting Developments**

In July 2002, the FASB issued SFAS No. 146, “Accounting for Costs Associated with Exit or Disposal Activities,” which requires the liability for a disposal obligation to be recognized and measured at its fair value when the entity ceases using the leased property in operation. The FASB decided the same approach should apply for similar disposal obligations associated with other preexisting firmly committed contracts. Additionally, SFAS No. 146 would require severance pay in many cases to be recognized over time rather than up front. If the benefit arrangement requires employees to render future services beyond a defined

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minimum retention period, a liability should be recognized as employees render service over the future service period. If the benefit arrangement does not require employees to render future service beyond the minimum retention period, a liability should not be recognized at the date the termination is communicated to employees. SFAS No. 146 is effective for disposable activities initiated after December 31, 2002. The FASB's new rules on liabilities for disposal obligations reconsiders the guidance in EITF Issue No. 94-3, "Liability Recognition for Certain Employee Termination Benefits and Other Costs to Exit an Activity (including Certain Costs Incurred in a Restructuring)" and addresses the issue separately from the scope of SFAS No. 144. We have not determined the impact on our financial statements.

**Overview of Aastrom**

We are pioneering the development of human cell therapy technologies intended for a broad range of medical applications based on our patented process and device capabilities for manufacturing proprietary cell mixtures. Our lead cell therapeutic product areas under development include: Tissue Repair Cells (TRCs), Therapeutic Cells (TCs), and Cell Culture Devices. TRCs are cells that lead to the construction of normal tissue such as bone. TCs are cells that can act like drugs, such as a therapeutic vaccine for cancer or viruses. Cell culture devices have been developed by Aastrom to produce our TRCs and TCs, but they can also be sold to authorized third parties as stand-alone products.

Our business model builds on two complementary components: (i) proprietary procedures and devices to enable certain types of stem cells and other types of human cells to be produced with excellent biological capabilities as compared with standard cell culture approaches; and (ii) the AastromReplicell™ System clinical platform that is designed to standardize and enable an effective commercialization pathway for bringing therapeutic cell production to medical practice. The AastromReplicell™ System consists of an instrumentation platform, to be either sold to a hospital or other centralized facility, or alternatively, used by Aastrom, that can operate a variety of single-use cell production kits that are specific to the desired medical application. Each cell product is produced using a specific type of kit. The kit and the cell product produced with the kit share a common identifying nomenclature such as DC-I, DCV-I, OC-I, OCG-I, SC-I and CB-I. Through this product configuration, we intend either directly to commercialize cells for therapeutic use, or to enable customers or potential collaborators with the capability to produce cells for therapeutic applications through sale of the AastromReplicell™ System instruments and kits. This approach is intended to provide a product pathway for each cell therapy that is similar to a pharmaceutical product including regulatory approval, reimbursement, marketing and pricing. We believe that the design of the AastromReplicell™ System will allow us to develop additional cell therapy products to provide standardization for a number of emerging cell therapies being developed by other researchers.

We have different TRC products in active development, including: SC-I bone marrow cells for bone marrow transplantation application; CB-I cells for cord blood stem cell transplantation application; OC-I cells for severe osteoporosis; and OCG-I cells for bone grafting applications. For the TC product areas, we are investigating immune system dendritic cells, a type of blood cell that has the ability to stimulate an immune response against specific targets as a potential new treatment for cancer and viral diseases. We have developed the DC-I and DCV-I device products, and intend to use them for our own TC products, as well as to sell them to many clinical researchers and centers that are developing dendritic cell-based vaccines designed to treat cancer and other disorders. We have obtained approval to affix the CE Mark to the DC-I and DCV-I kits, as well as the AastromReplicell™ System, allowing us to market and sell these products in Europe, through our German subsidiary, Zellera AG. We also are marketing

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the DC-I and DCV-I device products to U.S. clinical and research groups that are developing dendritic cell-based cancer vaccines. The development of our own proprietary vaccines may be pursued pending additional grant funding or strategic partnerships.

Our SC-I and CB-I TRC products have received CE Mark approval allowing us to begin commercialization activities in Europe, through our German subsidiary, Zellera AG, and are in Phase III-Type clinical studies in the U.S. However, we do not believe there is a current market for the CB-I product in Europe, and will be several years before any U.S. approvals may be received, or for the markets to develop for this product. Although able to be sold in Europe, the SC-I product will have to undergo various clinical evaluations at initial customer sites in order to generate the data necessary for reimbursement of the product. This year we established relationships at several European centers for these sites to generate this clinical data.

More recently we have initiated a development program for the production of bone-forming TRCs in the AastromReplicell™ System (our “OC” line of TRCs). The OC-I cell product is being developed for the treatment of patients with degenerative bone diseases such as osteoporosis, for which a Phase I/II-Pilot clinical study is in process in the U.S. Our OCG-I cell product is being developed for bone grafting applications, and we are developing a clinical trial plan for this product

Our therapeutic cell development efforts to date have focused on using our technology to grow larger quantities of the desired therapeutic cells from small starting amounts of cells or a tissue. Our cell production processes are based on using the natural reproductive capabilities of cells outside the body (*ex vivo*), without various cloning approaches. Our programs currently use bone marrow, cord blood and blood cells as starting sources of cells. As such, federal support or other factors relating to embryonal research have no direct impact on our current product programs.

Since our inception, we have been in the development stage and engaged in research and product development, conducted principally on our own behalf, but also in connection with various collaborative research and development agreements with others. We commenced our initial pilot-scale product launch in Europe of the AastromReplicell™ Cell Production System with the SC-I kit in April 1999. At approximately this same time, data was released at international meetings that resulted in the majority of the patients who would otherwise have been candidates for the SC-I product, to no longer require the use of the product. This loss of market for the SC-I caused us to reorganize our operations and suspend all marketing activities in October 1999, pending the receipt of additional financing and reorganization. While we’ve initiated marketing activities for the CE Marked SC-I, DC-I and the DCV-I products, we do not expect to generate positive cash flows from our consolidated operations for at least the next several years and then only if more significant product sales commence. Until that time, we expect that our revenue sources will be limited to grant revenue and research funding, milestone payments and licensing fees from potential future corporate collaborators. To date, we have financed our operations through public and private sales of our equity securities. As a development-stage company, we have never been profitable and do not anticipate having net

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income unless and until significant product sales commence, which is unlikely to occur until we obtain significant additional funding. Through September 30, 2002, we have accumulated losses of approximately \$95 million. There can be no assurance that we will be able to achieve profitability on a sustained basis, if at all, obtain the required funding, or complete a corporate partnering or acquisition transaction.

### **Critical Accounting Policies**

There are several accounting policies that we believe are significant to the presentation of our consolidated financial statements. The most significant accounting policies include those related to inventory and revenue recognition.

*Inventory.* We value our inventory that consists primarily of finished components of our lead product, the AastromReplicell™ Cell Production System, at the lower of cost (specific identification using first in, first out) or market. Furthermore, we regularly review inventory quantities on hand and record a provision to write down obsolete and excess inventory to its estimated net realizable value. Based on the aging of inventory at each period end, we utilize a systematic approach to determine our reserve for obsolete and excess inventory. Under this systematic approach, inventory that is less than twelve months old, based on the receipt date, will be carried at full value. Inventory quantities in excess of twelve months old are reserved over a six-month period, until the items are either sold or fully reserved. We feel this approach is appropriate given our limited product sales history and the risk associated with our ability to recover the inventory as we are still in the process of establishing our product market. Future technological changes, new product development and actual sales results could result in additional obsolete and excess inventory on hand. This could have a significant impact on the value of our inventory and our reported operating results.

*Revenue recognition.* We generate revenue from grants and research agreements, collaborative agreements and product sales. Revenue from grants and research agreements is recognized on a cost reimbursement basis consistent with the performance requirements of the related agreements. Revenue from collaborative agreements is recognized when the scientific or clinical results stipulated in the agreement have been met and there are no other ongoing obligations on our part. Revenue from product sales is recognized when title to the product transfers and there are no remaining obligations that will affect the customer's final acceptance of the sale, generally after installation and training. If there are remaining obligations, including training or installation, revenue is recognized upon completion of these obligations. Revenue from licensing fees under licensing agreements is recognized as revenue when there are no future performance obligations remaining with respect to such fees. Payments received before all obligations are fulfilled are classified as deferred revenue.

*Accounts receivable.* We make estimates evaluating collectibility of accounts receivable. We continuously monitor collections and payments from our customers and maintain an allowance for estimated credit losses based on any specific customer collection issues we have identified. While such credit issues have not been significant, there is no assurance that we will continue to experience the same credit losses in the future.

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The summary of significant accounting policies should be read in conjunction with our consolidated financial statements and related notes and this discussion of our results of operations.

### **Results of Operations**

Revenues for the quarter ended September 30, 2002 were \$93,000, which consisted of grant revenues and product sales and rentals, compared to revenues of \$151,000 for the same period in 2001. Grant revenues have decreased from the prior year as a result of reduced grant program activity. With the award of a collaborative grant by the Defense Advanced Research Projects Agency, for \$886,000 over an eighteen-month period that began September 2002, we are anticipating that grant revenues will increase throughout the fiscal year. We continue to pursue grant-funded programs as well as European sales and marketing opportunities.

Costs and expenses for the quarter ended September 30, 2002 increased to \$2,586,000, compared to \$2,166,000 for the same period in 2001. Increases in costs and expenses include an increase in research and development expense to \$1,385,000 for the quarter ended September 30, 2002, from \$1,207,000 for the same period in 2001, and an increase in selling, general and administrative expenses to \$1,113,000 from \$919,000. These increased costs and expenses are the result of expanding our program development activities and increased marketing opportunities in the areas of dendritic cell-based vaccines in the European market and in preparation of our pending bone grafting trials. Selling, general and administrative expense for the quarter ended September 30, 2002 includes a non-cash charge of \$159,000 relating to certain warrants issued in August 2002. These warrants were issued in a private transaction to an accredited investor for investment banking services and entitle the holder to purchase 2,000,000 shares of our common stock. Cost of product sales and rentals for the quarter ended September 30, 2002 and 2001 include charges of \$88,000 and \$40,000, respectively, relating to the provision for obsolete and excess AastromReplicell<sup>TM</sup> inventory.

Interest income was \$41,000 for the quarter ended September 30, 2002 compared to \$122,000 for the same period in 2001. The fluctuations in interest income are due primarily to corresponding changes in the level of cash, cash equivalents and short-term investments during the periods and decreases in yields from our investments.

Aastrom's net loss was \$2,452,000, or \$.05 per common share for the quarter ended September 30, 2002 compared to \$1,893,000, or \$.05 per common share for the same period in 2001. This increase in net loss is primarily the result of increased costs and expenses offset on a per share basis by an increase in the weighted average number of common shares outstanding resulting from additional equity financing.

## Liquidity and Capital Resources

We have financed our operations since inception primarily through public and private sales of equity securities, which, from inception through September 30, 2002, have totaled approximately \$106 million and, to a lesser degree, through grant funding, payments received under research agreements and collaborations and interest earned on cash, cash equivalents, and short-term investments. These financing sources have historically allowed us to maintain adequate levels of cash and other liquid investments.

Our combined cash, cash equivalents and short-term investments totaled \$7,930,000 at September 30, 2002, a decrease of \$1,675,000 from June 30, 2002. The primary uses of cash, cash equivalents and short-term investments during the quarter ended September 30, 2002 included \$2,544,000 to finance our operations and working capital requirements. The primary source of cash, cash equivalents and short-term investments was from the equity financing transactions, of which \$869,000 was raised during the quarter. This equity financing was transacted under our November 16, 2001 shelf registration and the Employee Stock Purchase Plan.

Our future cash requirements will depend on many factors, including continued scientific progress in our research and development programs, the scope and results of clinical trials, the time and costs involved in obtaining regulatory approvals, the costs involved in filing, prosecuting and enforcing patents, competing technological and market developments and the cost of product commercialization. We do not expect to generate a positive cash flow from operations for at least the next several years due to the expected spending for research and development programs and the cost of commercializing our product candidates. We intend to seek additional funding through research and development, or distribution and marketing, agreements with suitable corporate collaborators, grants and through public or private financing transactions. Successful future operations are subject to several technical and business risks, including our continued ability to obtain future funding, satisfactory product development, obtaining regulatory approval and market acceptance for our products. We expect that our available cash will be sufficient to finance currently planned activities into the first quarter of fiscal year 2004. We are currently pursuing additional sources of financing. If we cannot obtain additional funding prior to the end of the third quarter of fiscal year 2003, we will make substantial reductions in the scope and size of our operations, and may curtail activities currently planned to be resumed, in order to conserve cash until such funding is obtained. These estimates are forward-looking statements based on certain assumptions which could be negatively impacted by the matters discussed under this heading and under the caption "Business Risks" in our 2002 Annual Report on Form 10-K. In order to grow and expand our business, and to introduce our product candidates into the marketplace, we will need to raise additional funds. We will also need additional funds or a collaborative partner, or both, to finance the research and development activities of our product candidates for the expansion of additional cell types. We expect that our primary sources of capital for the foreseeable future will be through collaborative arrangements and through the public or private sale of our debt or equity securities. There can be no assurance that such collaborative arrangements, or any public or private financing, will be available on acceptable terms, if at all, or can be sustained.

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Several factors will affect our ability to raise additional funding, including, but not limited to, market volatility of our common stock and economic conditions affecting the public markets generally or some portion or all of the technology sector. If adequate funds are not available, we may be required to delay, reduce the scope of, or eliminate one or more of our research and development programs, which may have a material adverse affect on our business. See “Business Risks” and “Notes to Consolidated Financial Statements” in our 2002 Annual Report on Form 10-K and “Notes to Consolidated Financial Statements” included herein.

## **Certain Business Considerations**

*Our past losses and expected future losses cast doubt on our ability to operate profitably.*

We were incorporated in 1989 and have experienced substantial operating losses since inception. As of September 30, 2002, we have incurred net losses totaling approximately \$95 million. These losses have resulted principally from costs incurred in the research and development of our cell culture technologies and the AastromReplicell™ System, general and administrative expenses, and the prosecution of patent applications. We expect to incur significant operating losses until product sales increase, primarily owing to our research and development programs, including pre-clinical studies and clinical trials, and the establishment of marketing and distribution capabilities necessary to support commercialization efforts for our products. We cannot predict with any certainty the amount of future losses. Our ability to achieve profitability will depend, among other things, on successfully completing the development of our product candidates, obtaining regulatory approvals, establishing manufacturing, sales and marketing arrangements with third parties, and raising sufficient funds to finance our activities. We may not be able to achieve or sustain profitability.

*Our inability to complete our product development activities successfully would severely limit our ability to operate or finance operations.*

Commercialization in the United States of our lead product candidate, the AastromReplicell™ Cell Production System, will require additional research and development as well as substantial clinical trials. While we have commenced initial marketing on a limited basis of the AastromReplicell™ System in Europe, we believe that the United States will be the principal market for our products. We may not be able to successfully complete development of the AastromReplicell™ System or our other product candidates, or successfully market our technologies or product candidates. We, and any of our potential collaborators, may encounter problems and delays relating to research and development, regulatory approval and intellectual property rights of our technologies and product candidates. Our research and development programs may not be successful, and our cell culture technologies and product candidates may not facilitate the production of cells outside the human body with the expected result. Our technologies and product candidates may not prove to be safe and efficacious in clinical trials, and we may not obtain the intended regulatory approvals for our technologies or product candidates and the cells produced in such products. If any of these events occur, we may not have adequate resources to continue operations for the period required to resolve the issue delaying commercialization and we may not be able to raise capital to finance our continued operation during the period required for resolution of that issue.

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*We may not be able to raise the required capital to conduct our operations and develop our products.*

We will require substantial capital resources in order to conduct our operations and develop our products. In October 1999, we were forced to reduce operations based on our declining level of capital resources and our limited financing alternatives available at that time. The previous reduction in our operating activities has delayed our product development programs. We expect that our available cash and expected interest income will be sufficient to finance currently planned activities through the first quarter of fiscal year 2004. We are currently pursuing additional sources of financing. If we cannot obtain additional funding prior to the end of third quarter of fiscal year 2003, we will make substantial reductions in the scope and size of our operations, and may curtail activities currently planned to be resumed, in order to conserve cash until such funding is obtained. In order to grow and expand our business, and to introduce our new product candidates in to the marketplace, we will need to raise additional funds. We will also need additional funds or a collaborative partner, or both, to finance the research and development activities of our product candidates for the expansion of additional cell types.

Our future capital requirements will depend upon many factors, including:

- continued scientific progress in our research and development programs;
- costs and timing of conducting clinical trials and seeking regulatory approvals and patent prosecutions;
- competing technological and market developments;
- our ability to establish additional collaborative relationships; and
- the effect of commercialization activities and facility expansions if and as required.

Because of our long-term funding requirements, we are likely to access the public or private equity markets if and whenever conditions are favorable, even if we do not have an immediate need for additional capital at that time. Further, we may enter into financing transactions at rates, which are at a substantial discount to market. This additional funding may not be available to us on reasonable terms, or at all. If adequate funds are not available, we may be required to further delay or terminate research and development programs, curtail capital expenditures, and reduce business development and other operating activities.

*The issuance of additional common stock for funding has the potential for substantial dilution.*

As noted above, we will need additional equity funding to provide us with the capital to reach our objectives. At current market prices, such an equity issuance would cause a substantially larger number of shares to be outstanding and would dilute the ownership interest of existing stockholders. Pursuant to previously approved shareholder resolutions, the Board of Directors has the authority to increase the maximum number of authorized shares from 100 million to 150 million.

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*The warrants have the potential for substantial dilution.*

As of September 30, 2002 we had warrants outstanding to purchase 2,614,386 shares of common stock at \$1.44 per share and 2,000,000 shares of common stock at \$0.75 per share. As of that date, we also had outstanding options to purchase 3,997,072 shares at a weighted average price of \$1.43 per share. Holders of common stock could therefore experience dilution of their investment upon exercise of these warrants and options.

*Our stock price has been volatile and future sales of substantial numbers of our shares could have an adverse affect on the market price of our shares.*

The market price of shares of our common stock has been volatile ranging in closing price between \$0.36 and \$2.40, for fiscal year 2002. The price of our common stock may continue to fluctuate in response to a number of events and factors, such as:

- clinical trial results;
- the amount of our cash resources and our ability to obtain additional funding;
- announcements of research activities, business developments, technological innovations or new products by us or our competitors;
- changes in government regulation;
- disputes concerning patents or proprietary rights;
- changes in our revenues or expense levels;
- public concern regarding the safety, efficacy or other aspects of the products or methodologies we are developing; and
- changes in potential recommendations by securities analysts.

Any of these events may cause the price of our shares to fall, which may adversely affect our business and financing opportunities. In addition, the stock market in general and the market prices for biotechnology companies in particular have experienced significant volatility that often has been unrelated to the operating performance or financial conditions of such companies. These broad market and industry fluctuations may adversely affect the trading price of our stock, regardless of our operating performance or prospects. For example, within the last fiscal year, our stock price has experienced a day where it closed at approximately 26% over the previous day's closing price and another day when it dropped by over 19% from the previous day's closing price.

*Our stock may be delisted from Nasdaq that could affect its market price and liquidity.*

We are required to meet certain financial tests (including, but not limited to, a minimum bid price of our common stock of \$1.00) to maintain the listing of our common stock on the Nasdaq Stock Market. As a result of recent price fluctuations, our common stock price has traded below the \$1.00 minimum level and we were notified that our common stock would be delisted if we did not regain compliance with this listing requirement prior to February 24, 2003. If we do not remain listed on Nasdaq, the market price and liquidity of our common

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stock could be impaired. Further, the National Association of Securities Dealers has recently adopted a change in minimum listing requirements to include a new \$2.5 million of minimum net equity requirement for the SmallCap Market, which we currently meet. This new standard will replace the minimum tangible net worth requirement and becomes effective for us in November 2002. The result of such a change, or further changes, may be that it could be more difficult for us to maintain compliance with the listing standards, the result of which would be that our stock may be delisted.

*We must successfully complete our clinical trials to be able to market our products.*

To be able to market products in the United States, we must demonstrate, through extensive preclinical studies and clinical trials, the safety and efficacy of our processes and product candidates, together with the cells produced by such processes in such products, for application in the treatment of humans. We are currently conducting clinical trials to demonstrate the safety and biological activity of patient-derived cells produced in the AastromReplicell™ System. Depending on the availability of resources, we intend to commence at least one additional clinical trial to demonstrate the safety and biological activity of umbilical cord blood cells produced in the AastromReplicell™ System. If our clinical trials are not successful, our products may not be marketable.

Our ability to complete our clinical trials in a timely manner depends on many factors, including the rate of patient enrollment. Patient enrollment can vary with the size of the patient population, the proximity of suitable patients to clinical sites, perceptions of the utility of stem cell therapy for the treatment of certain diseases and the eligibility criteria for the study. We have experienced delays in patient accrual in our previous and current clinical trials. If we experience future delays in patient accrual, we could experience increased costs and delays associated with clinical trials, which would impair our product development programs and our ability to market our products. Furthermore, the FDA monitors the progress of clinical trials and it may suspend or terminate clinical trials at any time due to patient safety or other considerations.

*Failure to obtain and maintain required regulatory approvals would severely limit our ability to sell our products.*

We must obtain the approval of the FDA before commercial sales of our product candidates may commence in the United States, which we believe will be the principal market for our products. We may also be required to obtain additional approvals from foreign regulatory authorities to continue or increase our sales activities in those jurisdictions. If we cannot demonstrate the safety, reliability and efficacy of our product candidates, or of the cells produced in such products, we may not be able to obtain required regulatory approvals. Many of the patients enrolled in the clinical trials will have previously undergone extensive treatment which will have substantially weakened the patients and may have irreparably damaged the ability of their blood and immune system to recover. Some patients undergoing the transplant recovery process have died, from causes that were, according to the physicians involved, unrelated to the AastromReplicell™ System procedure, and it is possible that other patients

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may die or suffer severe complications during the course of either the current or future clinical trials. In addition, patients receiving cells produced with our technologies and product candidates may not demonstrate long-term engraftment in a manner comparable to cells obtained from current stem cell therapy procedures. If we cannot demonstrate the safety or efficacy of our technologies and product candidates, including long-term sustained engraftment, or if one or more patients die or suffer severe complications, the FDA or other regulatory authorities could delay or withhold regulatory approval of our product candidates.

Finally, even if we obtain regulatory approval of a product, that approval may be subject to limitations on the indicated uses for which it may be marketed. Even after granting regulatory approval, the FDA, other regulatory agencies, and governments in other countries continue to review and inspect marketed products, manufacturers and manufacturing facilities. Later discovery of previously unknown problems with a product, manufacturer or facility may result in restrictions on the product or manufacturer, including a withdrawal of the product from the market. Further, governmental regulatory agencies may establish additional regulations which could prevent or delay regulatory approval of our products.

*Even if we obtain regulatory approvals to sell our products, lack of commercial acceptance would impair our business.*

We are seeking to obtain regulatory approval to market the AastromReplicell™ System as an alternative to, or as an improvement for, the bone marrow harvest and peripheral blood progenitor cell stem cell collection methods. These stem cell collection methods have been widely practiced for a number of years, and our technologies or product candidates may not be accepted by the marketplace as readily as these or other competing processes and methodologies. Additionally, our technologies or product candidates may not be employed in all potential applications being investigated, and any reduction in applications would limit the market acceptance of our technologies and product candidates and our potential revenues. As a result, even if we obtain all required regulatory approvals, we cannot be certain that our products and processes will be adopted at a level that would allow us to operate profitably.

*Failure of third parties to manufacture component parts or provide limited source supplies would impair our new product development and our sales activities.*

We rely solely on third parties such as Plexus, Moll, Biowhittaker and Amgen to manufacture our product candidates, their component parts and growth factors and other materials used in the cell expansion process. We would not be able to obtain alternate sources of supply for many of these items on a short-term basis. Plexus has elected to exercise its right to terminate our Manufacturing Supply Agreement effective in February 2004. As a result, we are negotiating with another supplier for continued supply on commercially reasonable terms. However, we may not reach agreement with this new supplier and the new agreement may be on less favorable terms. If any of our key manufacturers or suppliers fail to perform their respective obligations or if our supply of growth factors, components or other materials is limited or interrupted, we would not be able to conduct clinical trials or market our product candidates on a timely and cost-competitive basis, if at all.

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On September 10, 2002 a major creditor of Moll filed an involuntary petition for Bankruptcy against Moll. On September 19, 2002 Moll announced that it had converted the case to a voluntary Chapter 11 reorganization case and had received preliminary approval for a \$50 million debtor-in-possession financing. These factors may affect our supply of components. However, to date, there has been no impact on our supply of components from Moll.

Furthermore, some of the compounds used by us in our current bone marrow or cord blood cell expansion processes involve the use of animal-derived products. Suppliers or regulatory authorities may limit or restrict the availability of such compounds for clinical and commercial use. Any restrictions on these compounds would impose a potential competitive disadvantage for our products. Our inability to develop or obtain alternative compounds would harm our product development and commercialization efforts.

Finally, we may not be able to continue our present arrangements with our suppliers, supplement existing relationships, establish new relationships or be able to identify and obtain the ancillary materials that are necessary to develop our product candidates in the future. Our dependence upon third parties for the supply and manufacture of these items could adversely affect our ability to develop and deliver commercially feasible products on a timely and competitive basis.

*Given our limited internal sales and marketing capabilities, we need to develop collaborative relationships to sell, market and distribute our products.*

While we have commenced initial marketing on a limited basis of the AastromReplicell™ System and SC-I, CB-I, DC-I and DCV-I therapy kits in Europe, we have only limited internal sales, marketing and distribution capabilities. We intend to market our products through collaborative relationships with companies with established sales, marketing and distribution capabilities. Our inability to develop and maintain those relationships would limit our ability to market, sell and distribute our products. Our inability to enter into successful, long-term relationships could require us to develop alternate arrangements at a time when we need sales, marketing or distribution capabilities to meet existing demand.

*Any changes in the governmental regulatory classifications of our products could prevent, limit or delay our ability to market or develop our products.*

The FDA establishes regulatory requirements based on the classification of a product. The AastromReplicell™ System may be regulated as a Class III medical device, or the FDA may ultimately choose to regulate the AastromReplicell™ System under another category. Because our product development programs are designed to satisfy the standards applicable to Class III medical devices, a change in the regulatory classification would affect our ability to obtain FDA approval of our products. The AastromReplicell™ System is capable of producing different cell mixtures, and at least some of these cell mixtures will, under current regulations be regulated as biologic products, which require a completely different strategy.

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*If we do not keep pace with our competitors and with technological and market changes, our products may become obsolete and our business may suffer.*

The market for our products is very competitive, is subject to rapid technological changes and varies for different individual products. For each of our potential products, we believe that there are potentially many competitive approaches being pursued, including some by private companies for which information is difficult to obtain.

Many of our competitors have significantly greater resources, more product candidates and have developed product candidates and processes that directly compete with our products. Our competitors may have developed, or could in the future develop, new technologies that compete with our products or even render our products obsolete. As an example, in the past, published studies have suggested that stem cell therapy may have limited clinical benefit in the treatment of breast cancer, which was a significant portion of the overall stem cell transplant market. This has resulted in a substantial decline in the market for the AastromReplicell™ System with our SC-I kit. Our products are designed to improve and automate the processes for producing cells used in therapeutic procedures. Even if we are able to demonstrate improved or equivalent results, researchers and practitioners may not use our products and we will suffer a competitive disadvantage. As a result, we may be unable to recover the net book value of our inventory. Finally, to the extent that others develop new technologies that address the targeted application for our products, our business will suffer.

*If we cannot attract and retain key personnel, then our business will suffer.*

Our success depends in large part upon our ability to attract and retain highly qualified scientific and management personnel. We face competition for such personnel from other companies, research and academic institutions and other entities. Further, in an effort to conserve financial resources, we have implemented reductions in our work force on two separate occasions. As a result of these and other factors, we may not be successful in hiring or retaining key personnel. The Company has a key man life insurance policy for R. Douglas Armstrong, the Chairman, Chief Executive Officer and President of Aastrom. Our inability to replace any other lost key employee could harm our operations.

*If our patents and proprietary rights do not provide substantial protection, then our business and competitive position will suffer.*

Our success depends in large part on our ability to develop or license and protect proprietary products and technologies. However, patents may not be granted on any of our pending or future patent applications. Also, the scope of any of our issued patents may not be sufficiently broad to offer meaningful protection. In addition, our issued patents or patents licensed to us could be successfully challenged, invalidated or circumvented so that our patent rights would not create an effective competitive barrier. Furthermore, we rely on three exclusive, world-wide licenses relating to the production of human cells granted to us by the University of Michigan for certain of our patent rights. If we materially breach such agreements

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or otherwise fail to materially comply with such agreements, or if such agreements expire or are otherwise terminated by us, we may lose our rights under the patents held by the University of Michigan. At the latest, these licenses will terminate when the patent underlying the license expires. The first of these underlying patents will expire on March 21, 2012. We also rely on trade secrets and unpatentable know-how that we seek to protect, in part, by confidentiality agreements with our employees, consultants, suppliers and licensees. These agreements may be breached, and we might not have adequate remedies for any breach. If this were to occur, our business and competitive position would suffer.

*Intellectual property litigation could harm our business.*

Our success will also depend in part on our ability to develop commercially viable products without infringing the proprietary rights of others. Although we have not been subject to any filed infringement claims, other patents could exist or could be filed which would prohibit or limit our ability to market our products or maintain our competitive position. In the event of an intellectual property dispute, we may be forced to litigate. Intellectual property litigation would divert management's attention from developing our products and would force us to incur substantial costs regardless of whether we are successful. An adverse outcome could subject us to significant liabilities to third parties, and force us to curtail or cease the development and sale of our products and processes.

*The government maintains certain rights in technology that we develop using government grant money and we may lose the revenues from such technology if we do not commercialize and utilize the technology pursuant to established government guidelines.*

Certain of our, and our licensors', research has been or is being funded in part by government grants. As a result of such funding, the U.S. Government has certain rights in the technology developed with the grant. These rights include a non-exclusive, paid-up, worldwide license to use the technology for any governmental purpose. In addition, the government has the right to require us to grant an exclusive license to use the developed technology to a third party if the government determines that:

- we have not taken adequate steps to commercialize such technology;
- such action is necessary to meet public health or safety needs; or
- such action is necessary to meet requirements for public use under federal regulations.

In these instances, we would not receive revenues on the products we developed. Additionally, technology that was partially funded by a federal research grant is subject to the following government rights:

- products using the technology which are sold in the United States are to be manufactured substantially in the United States, unless a waiver is obtained;

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- the government may force the granting of a license to a third party who will make and sell the needed product if we do not pursue reasonable commercialization of a needed product using the technology; and
- the U.S. Government may use the technology for its own needs.

If we fail to meet these guidelines, we would lose our exclusive rights to these products and we would lose potential revenue derived from the sale of these products.

*The market for our products will be heavily dependent on third party reimbursement policies.*

Our ability to successfully commercialize our product candidates will depend on the extent to which government healthcare programs, such as Medicare and Medicaid, as well as private health insurers, health maintenance organizations and other third party payors will pay for our products and related treatments. Reimbursement by third party payors depends on a number of factors, including the payor's determination that use of the product is safe and effective, not experimental or investigational, medically necessary, appropriate for the specific patient and cost-effective. Reimbursement in the United States or foreign countries may not be available or maintained for any of our product candidates. If we do not obtain approvals for adequate third party reimbursements, we may not be able to establish or maintain price levels sufficient to realize an appropriate return on our investment in product development. Any limits on reimbursement available from third party payors may reduce the demand for, or negatively affect the price of, our products. For example, in the past, published studies have suggested that stem cell transplantation in breast cancer that constitute a significant portion of the overall stem cell therapy market, at the time, may have limited clinical benefit. The lack of reimbursement for these procedures by insurance payors would negatively affect the marketability of our products.

*Potential product liability claims could affect our earnings and financial condition.*

We face an inherent business risk of exposure to product liability claims in the event that the use of the AastromReplicell™ System during research and development efforts, including clinical trials, or after commercialization results in adverse affects. As a result, we may incur significant product liability exposure, which could exceed existing insurance coverage. We may not be able to maintain adequate levels of insurance at reasonable cost and/or reasonable terms. Excessive insurance costs or uninsured claims would increase our operating loss and affect our financial condition.

*Our corporate documents and Michigan law contain provisions that may make it more difficult for us to be acquired.*

Our board of directors has the authority, without shareholder approval, to issue additional shares of preferred stock and to fix the rights, preferences, privileges and restrictions of these shares without any further vote or action by our shareholders. This authority, together with certain provisions of our charter documents, may have the affect of making it more difficult for a third party to acquire, or of discouraging a third party from attempting to acquire control of

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our company. This affect could occur even if our shareholders consider the change in control to be in their best interest.

### *Forward-looking statements*

This report contains certain forward-looking statements within the meaning of Section 27A of the Securities Act and Section 21E of the Securities Exchange Act. These forward-looking statements include statements regarding:

- potential strategic collaborations with others;
- future capital needs;
- product development and marketing plan;
- clinical trial plans and anticipated results;
- anticipation of future losses; and
- replacement of manufacturing sources.

These statements are subject to risks and uncertainties, including those set forth in this Business Risks section, and actual results could differ materially from those expressed or implied in these statements. All forward-looking statements included in this registration statement are made as of the date hereof. We assume no obligation to update any such forward-looking statement or reason why actual results might differ.

These business considerations, and others, are discussed in more detail and should be read in conjunction with the “Business Risks” discussed in our 2002 Annual Report of Form 10-K.

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### *Item 3. Quantitative and Qualitative Disclosures About Market Risk*

As of September 30, 2002, our cash and cash equivalents included money market securities and commercial paper. Due to the short duration of our investment portfolio, an immediate 10% change in interest rates would not have a material effect on the fair market value of our portfolio, therefore, we would not expect our operating results or cash flows to be affected to any significant degree by the effect of a sudden change in market interest rates on our securities portfolio.

Our sales to customers in foreign countries are denominated in U.S. dollars. Accordingly, we are not directly exposed to market risks from currency exchange rate fluctuations. We believe that the interest rate risk related to our accounts receivable is not significant. We manage the risk associated with these accounts through periodic reviews of the carrying value for non-collectibility and establishment of appropriate allowances in connection with our internal controls and policies. We do not enter into hedging or derivative instruments.

### *Item 4. Controls and Procedures*

- (a) Under the supervision and with the participation of our management, including our principal executive officer and principal financial officer, we conducted an evaluation of our disclosure controls and procedures, as such term is defined under Rule 13a-14(c) promulgated under the Securities and Exchange Act of 1934, as amended (the "Exchange Act"), within 90 days of the filing date of this report. Based on their evaluation, our principal executive officer and principal financial officer concluded that our disclosure controls and procedures are effective.
- (b) There have been no significant changes (including corrective actions with regard to significant deficiencies or material weaknesses) in our internal controls or in other factors that could significantly affect these controls subsequent to the date of the evaluation referenced in paragraph (a) above.

**PART II — OTHER INFORMATION**

*Item 1. Legal Proceedings*

From time to time we receive threats or may be subject to litigation matters incidental to our business. However, we are not currently a party to any material pending legal proceedings.

*Item 2. Changes in Securities and Use of Proceeds*

During August 2002 the Company issued a warrant to SBI USA, LLC for investment banking services. The warrant entitles the holder to purchase 2,000,000 share of our common stock at \$0.75 per share through August 23, 2003. The warrant was issued in a private transaction to an accredited investor who agreed to acquire the warrant for investment purposes, such that the transaction was exempt from registration pursuant to Section 4(2) of the Securities Act.

*Item 3. Defaults Upon Senior Securities*

None.

*Item 4. Submission of Matters to a Vote of Security Holders*

None.

*Item 5. Other Information*

None.

*Item 6. Exhibits and Reports on Form 8-K*

(a) Exhibits

See Exhibit Index.

(b) Reports on Form 8-K

On September 9, 2002, the Company filed an 8-K to provide public disclosure pursuant to Regulation FD of an investor presentation.

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

AASTROM BIOSCIENCES, INC.

Date: November 13, 2002

/s/ R. Douglas Armstrong

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R. Douglas Armstrong, Ph.D.  
President, Chief Executive Officer  
(Principal Executive Officer)

Date: November 13, 2002

/s/ Alan M. Wright

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Alan M. Wright  
Sr. Vice President Administrative & Financial  
Operations, Chief Financial Officer  
(Principal Financial and Accounting Officer)

## CERTIFICATIONS

I, R. Douglas Armstrong, certify that:

1. I have reviewed this quarterly report on Form 10-Q of Aastrom Biosciences, Inc.;
  2. Based on my knowledge, this quarterly report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this quarterly report;
  3. Based on my knowledge, the financial statements, and other financial information included in this quarterly report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this quarterly report;
  4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-14 and 15d-14) for the registrant and we have:
    - a. designed such disclosure controls and procedures to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this quarterly report is being prepared;
    - b. evaluated the effectiveness of the registrant's disclosure controls and procedures as of a date within 90 days prior to the filing date of this quarterly report (the "Evaluation Date"); and
    - c. presented in this quarterly report our conclusions about the effectiveness of the disclosure controls and procedures based on our evaluation as of the Evaluation Date;
  5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation, to the registrant's auditors and the audit committee of registrant's board of directors (or persons performing the equivalent function):
    - a. all significant deficiencies in the design or operation of internal controls which could adversely affect the registrant's ability to record, process, summarize and report financial data and have identified for the registrant's auditors any material weaknesses in internal controls; and
    - b. any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal controls; and
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6. The registrant's other certifying officer and I have indicated in this quarterly report whether or not there were significant changes in internal controls or in other factors that could significantly affect internal controls subsequent to the date of our most recent evaluation, including any corrective actions with regard to significant deficiencies and material weaknesses.

Date: November 13, 2002

/s/ R. Douglas Armstrong

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R. Douglas Armstrong, Ph.D.  
President, Chief Executive Officer  
(Principal Executive Officer)

I, Alan M. Wright, certify that:

1. I have reviewed this quarterly report on Form 10-Q of Aastrom Biosciences, Inc.;
2. Based on my knowledge, this quarterly report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this quarterly report;
3. Based on my knowledge, the financial statements, and other financial information included in this quarterly report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this quarterly report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-14 and 15d-14) for the registrant and we have:
  - a. designed such disclosure controls and procedures to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this quarterly report is being prepared;
  - b. evaluated the effectiveness of the registrant's disclosure controls and procedures as of a date within 90 days prior to the filing date of this quarterly report (the "Evaluation Date"); and
  - c. presented in this quarterly report our conclusions about the effectiveness of the disclosure controls and procedures based on our evaluation as of the Evaluation Date;

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5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation, to the registrant's auditors and the audit committee of registrant's board of directors (or persons performing the equivalent function):
- a. all significant deficiencies in the design or operation of internal controls which could adversely affect the registrant's ability to record, process, summarize and report financial data and have identified for the registrant's auditors any material weaknesses in internal controls; and
  - b. any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal controls; and
6. The registrant's other certifying officer and I have indicated in this quarterly report whether or not there were significant changes in internal controls or in other factors that could significantly affect internal controls subsequent to the date of our most recent evaluation, including any corrective actions with regard to significant deficiencies and material weaknesses.

Date: November 13, 2002

/s/ Alan M. Wright

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Alan M. Wright  
Sr. Vice President Administrative & Financial  
Operations, Chief Financial Officer  
(Principal Financial and Accounting Officer)

**EXHIBITS**

<u>Exhibit Number</u>	<u>Description</u>
3.1*	Restated Articles of Incorporation of the Company
3.2**	Bylaws of the Company
99.1	Certification of President and CEO
99.2	Certification of Senior Vice President Administrative and Financial Operations, CFO

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\* Incorporated by reference to the Company's Annual Report on Form 10-K for the fiscal year ended June 30, 2002.

\*\* Incorporated by reference to the Company's Registration Statement on Form S-1 (No. 333-15415), declared effective on February 3, 1997.

CERTIFICATION OF CHIEF EXECUTIVE OFFICER

I, R. Douglas Armstrong, Chief Executive Officer of Aastrom Biosciences, Inc. (the "Registrant"), do hereby certify in accordance with 18 U.S.C. 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) the Quarterly Report on Form 10-Q of the Registrant, to which this certification is attached as an exhibit (the "Report"), fully complies with the requirements of section 13(a) of the Securities Exchange Act of 1934 (15 U.S.C. 78m); and

(2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Registrant.

Dated: November 13, 2002

/s/ R. Douglas Armstrong

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R. Douglas Armstrong, Ph.D.  
President and Chief Executive Officer

CERTIFICATION OF CHIEF FINANCIAL OFFICER

I, Alan M. Wright, Chief Financial Officer of Aastrom Biosciences, Inc. (the "Registrant"), do hereby certify in accordance with 18 U.S.C. 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) the Quarterly Report on Form 10-Q of the Registrant, to which this certification is attached as an exhibit (the "Report"), fully complies with the requirements of Section 13(a) of the Securities Exchange Act of 1934 (15 U.S.C. 78m); and

(2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Registrant.

Dated: November 13, 2002

/s/ Alan M. Wright

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Alan M. Wright  
Senior Vice President Administrative &  
Financial Operations, Chief Financial  
Officer, Secretary & Treasurer