

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM D NOTICE OF SALE OF SECURITIES PURSUANT TO REGULATION D, SECTION 4(6), AND/OR UNIFORM LIMITED OFFERING EXEMPTION

OMB APPROVAL RECEIVED stamp with barcode and number 05001318, DATE RECEIVED field.

1179079

Name of Offering, Filing Under (Rule 504, 505, 506, Section 4(6), ULOE), Type of Filing (New Filing, Amendment).

A. BASIC IDENTIFICATION DATA

1. Enter the information requested about the issuer. Name of Issuer: ALSIUS CORPORATION. Address of Executive Offices: 15570 Laguna Canyon Road, Suite 150, Irvine, CA 92618. Telephone Number: (949) 453-0150. Brief Description of Business: Sales and Marketing of Intravascular Temperature Management Technology.

RECEIVED stamp: JAN 13 2005. PROCESSED stamp: JAN 14 2005. THOMSON FINANCIAL stamp.

Type of Business Organization (corporation, business trust, limited partnership). Actual or Estimated Date of Incorporation or Organization: Month 1, 2; Year 9, 1. Jurisdiction of Incorporation or Organization: C, A.

GENERAL INSTRUCTIONS

Federal: Who Must File, When To File, Where to File, Copies Required, Information Required, Filing Fee. State: This notice shall be used to indicate reliance on the Uniform Limited Offering Exemption (ULOE) for sales of securities in those states that have adopted ULOE and that have adopted this form.

ATTENTION

Failure to file notice in the appropriate states will not result in a loss of the federal exemption. Conversely, failure to file the appropriate federal notice will not result in a loss of an available state exemption unless such exemption is predicated on the filing of a federal notice.

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number

A. BASIC IDENTIFICATION DATA

2. Enter the information requested for the following:

- Each promoter of the issuer, if the issuer has been organized within the past five years;
- Each beneficial owner having the power to vote or dispose, or direct the vote or disposition of, 10% or more of a class of equity securities of the issuer;
- Each executive officer and director of corporate issuers and of corporate general and managing partners of partnership issuers; and
- Each general and managing partner of partnership issuers.

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing PartnerFull Name (Last name first, if individual): **WINSLOW, CAROL**Business or Residence Address (Number and Street, City, State, Zip Code): **15770 Laguna Canyon Road, Suite 150, Irvine, CA 92618**Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing PartnerFull Name (Last name first, if individual): **GREEN, WILLIAM**Business or Residence Address (Number and Street, City, State, Zip Code): **15770 Laguna Canyon Road, Suite 150, Irvine, CA 92618**Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing PartnerFull Name (Last name first, if individual): **HUTTON, WENDE**Business or Residence Address (Number and Street, City, State, Zip Code): **15770 Laguna Canyon Road, Suite 150, Irvine, CA 92618**Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing PartnerFull Name (Last name first, if individual): **LASERSOHN, JACK**Business or Residence Address (Number and Street, City, State, Zip Code): **15770 Laguna Canyon Road, Suite 150, Irvine, CA 92618**Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing PartnerFull Name (Last name first, if individual): **WHEELER, KURT**Business or Residence Address (Number and Street, City, State, Zip Code): **15770 Laguna Canyon Road, Suite 150, Irvine, CA 92618**Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing PartnerFull Name (Last name first, if individual): **WORTHEN, WILLIAM**Business or Residence Address (Number and Street, City, State, Zip Code): **15770 Laguna Canyon Road, Suite 150, Irvine, CA 92618**Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing PartnerFull Name (Last name first, if individual): **MPM ASSET MANAGEMENT**Business or Residence Address (Number and Street, City, State, Zip Code): **111 Huntington Avenue, 31st Floor, Boston, MA 02199**Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing PartnerFull Name (Last name first, if individual): **ev3, INC.**Business or Residence Address (Number and Street, City, State, Zip Code): **1861 Buerkle Road, White Bear Lake, MN 55110**

A. BASIC IDENTIFICATION DATA

2. Enter the information requested for the following:

- Each promoter of the issuer, if the issuer has been organized within the past five years;
- Each beneficial owner having the power to vote or dispose, or direct the vote or disposition of, 10% or more of a class of equity securities of the issuer;
- Each executive officer and director of corporate issuers and of corporate general and managing partners of partnership issuers; and
- Each general and managing partner of partnership issuers.

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual): **NEW ENTERPRISE ASSOCIATES**

Business or Residence Address (Number and Street, City, State, Zip Code): **2490 Sand Hill Road, Menlo Park, CA 94025**

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual): **CANAAN EQUITY**

Business or Residence Address (Number and Street, City, State, Zip Code): **105 Rowayton Avenue, Rowayton, CT 06853**

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual): **GUIDANT CORPORATION**

Business or Residence Address (Number and Street, City, State, Zip Code): **1525 O'Brien, Menlo Park, CA 94012**

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual): **MEDTRONIC, INC.**

Business or Residence Address (Number and Street, City, State, Zip Code): **710 Medtronic Parkway, Minneapolis, MN 55432**

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual): **MAYFIELD FUNDS**

Business or Residence Address (Number and Street, City, State, Zip Code): **2800 Sand Hill Road, Menlo Park, CA 94025**

(Use blank sheet, or copy and use additional copies of this sheet, as necessary)

C. OFFERING PRICE, NUMBER OF INVESTORS, EXPENSES AND USE OF PROCEEDS

1. Enter the aggregate offering price of securities included in this offering and the total amount already sold. Enter "0" if answer is "none" or "zero." If the transaction is an exchange offering, check this box and indicate in the columns below the amounts of the securities offered for exchange and already exchanged.

Type of Security	Aggregate Offering Price	Amount Already Sold
Debt	\$ _____	\$ _____
Equity Series F Preferred Stock and underlying Common Stock upon conversion	\$ 21,345,525.97	\$ 21,269,177.01
<input type="checkbox"/> Common <input checked="" type="checkbox"/> Preferred		
Convertible Securities (including warrants) Cancellation of Convertible Promissory Notes and Warrants for issuance of Series F Preferred	\$ 3,688,274.03	\$ 3,688,274.03
Partnership Interests	\$ _____	\$ _____
Other (Specify) Conversion of Series F Preferred to Common Stock	\$ (25,033,800.00)	\$ (24,957,451.04)
Total	\$ 25,033,800.00	\$ 24,957,451.04

Answer also in Appendix, Column 3, if filing under ULOE.

2. Enter the number of accredited and non-accredited investors who have purchased securities in this offering and the aggregate dollar amounts of their purchases. For offerings under Rule 504, indicate the number of persons who have purchased securities and the aggregate dollar amount of their purchases on the total lines. Enter "0" if answer is "none" or "zero."

	Number Investors	Aggregate Dollar Amount Of Purchases
Accredited Investors	37	\$ 24,957,451.04
Non-accredited Investors	-0-	\$ -0-
Total (for filings under Rule 504 only)	N/A	\$ N/A

Answer also in Appendix, Column 4, if filing under ULOE.

3. If this filing is for an offering under Rule 504 or 505, enter the information requested for all securities sold by the issuer, to date, in offerings of the types indicated, in the twelve (12) months prior to the first sale of securities in this offering. Classify securities by type listed in Part C-Question 1.

Type of Offering	Types of Security	Dollar Amount Sold
Rule 505	N/A	\$ N/A
Regulation A	N/A	\$ N/A
Rule 504	N/A	\$ N/A
Total	N/A	\$ N/A

4. a. Furnish a statement of all expenses in connection with the issuance and distribution of the securities in this offering. Exclude amounts relating solely to organization expenses of the issuer. The information may be given as subject to future contingencies. If the amount of an expenditure is not known, furnish an estimate and check the box to the left of the estimate.

Transfer Agent's Fees	<input type="checkbox"/>	\$ _____
Printing and Engraving Costs	<input type="checkbox"/>	\$ _____
Legal Fees	<input checked="" type="checkbox"/>	\$ 145,000.00
Accounting Fees	<input type="checkbox"/>	\$ _____
Engineering Fees	<input type="checkbox"/>	\$ _____
Sales Commissions (specify finders' fees separately)	<input type="checkbox"/>	\$ _____
Other Expenses (identify)	<input type="checkbox"/>	\$ _____
Total	<input checked="" type="checkbox"/>	\$ 145,000.00

C. OFFERING PRICE, NUMBER OF INVESTORS, EXPENSES AND USE OF PROCEEDS

4 b. Enter the difference between the aggregate offering price given in response to Part C– Question 1 and total expenses furnished in response to Part C–Question 4.a. This difference is the "adjusted gross proceeds to the issuer." \$ 24,812,451.04

5 Indicate below the amount of the adjusted gross proceeds to the issuer used or proposed to be used for each of the purposes shown. If the amount for any purpose is not known, furnish an estimate and check the box to the left of the estimate. The total of the payments listed must equal the adjusted gross proceeds to the issuer set forth in response to Part C – Question 4.b. above.

			Payments to Officers, Directors & Affiliates		Payments to Others
Salaries and fees.....	<input type="checkbox"/>	\$ _____	<input type="checkbox"/>		\$ _____
Purchase of real estate.....	<input type="checkbox"/>	\$ _____	<input type="checkbox"/>		\$ _____
Purchase, rental or leasing and installation of machinery and equipment	<input type="checkbox"/>	\$ _____	<input type="checkbox"/>		\$ _____
Construction or leasing of plant buildings and facilities	<input type="checkbox"/>	\$ _____	<input type="checkbox"/>		\$ _____
Acquisition of other businesses (including the value of securities involved in this offering that may be used in exchange for the assets or securities of another issuer pursuant to a merger).....	<input type="checkbox"/>	\$ _____	<input type="checkbox"/>		\$ _____
Repayment of indebtedness	<input type="checkbox"/>	\$ _____	<input checked="" type="checkbox"/>		\$ <u>3,688,274.03</u>
Working capital.....	<input type="checkbox"/>	\$ _____	<input checked="" type="checkbox"/>		\$ <u>21,124,177.01</u>
Other (specify): _____	<input type="checkbox"/>	\$ _____	<input type="checkbox"/>		\$ _____
_____	<input type="checkbox"/>	\$ _____	<input type="checkbox"/>		\$ _____
Column Totals	<input type="checkbox"/>	\$ _____	<input checked="" type="checkbox"/>		\$ <u>24,812,451.04</u>
Total Payments Listed (column totals added)			<input checked="" type="checkbox"/>	\$	<u>24,812,451.04</u>

D. FEDERAL SIGNATURE

This issuer has duly caused this notice to be signed by the undersigned duly authorized person. If this notice is filed under Rule 505, the following signature constitutes an undertaking by the issuer to furnish to the U.S. Securities and Exchange Commission, upon written request of its staff, the information furnished by the issuer to any non-accredited investor pursuant to paragraph (b)(2) of Rule 502.

Issuer (Print or Type) ALSIUS CORPORATION	Signature 	Date January 5, 2004
Name of Signer (Print or Type) Ethan D. Feffer	Title of Signer (Print or Type) Secretary	

ATTENTION

Intentional misstatements or omissions of fact constitute federal criminal violations. (See 18 U.S.C. 1001.)