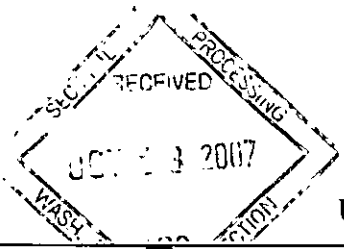


1162199 OMB APPROVAL OMB Number: 3235-0076 Expires: April 30, 2008 Estimated average burden hours per response16.00



FORM D

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

Table with SEC USE ONLY header, Prefix, Serial, and DATE RECEIVED fields.

Name of Offering (check if this is an amendment and name has changed, and indicate change.) Series E Preferred Stock Financing

Filing Under (Check box(es) that apply): Rule 504 Rule 505 Rule 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 (check if this is an amendment and name has changed, and indicate change.) Fluidigm Corporation

Address of Executive Offices (Number and Street, City, State, Zip Code) Telephone Number (Including Area Code) 7000 Shoreline Court, Suite 100, South San Francisco, CA 94080 650-266-6600

Address of Principal Business Operations (if different from Executive Offices) (Number and Street, City, State, Zip Code) Telephone Number (Including Area Code)

Brief Description of Business DNA cell sizing and sorting systems

Type of Business Organization corporation limited partnership, already formed other (please specify) business trust limited partnership, to be formed

PROCESSED OCT 29 2007 THOMSON FINANCIAL

Actual or Estimated Date of Incorporation or Organization: Month Year Actual Estimated 05 99 Actual Estimated

Jurisdiction of Incorporation or Organization: (Enter two-letter U.S. Postal Service abbreviation for State: CN for Canada; FN for other foreign jurisdiction) DE

GENERAL INSTRUCTIONS

Federal:

Who Must File: All issuers making an offering of securities in reliance on an exemption under Regulation D or Section 4(6), 17 CFR 230.501 et seq. or 15 U.S.C. 77d(6).

When To File: A notice must be filed no later than 15 days after the first sale of securities in the offering. A notice is deemed filed with the U.S. Securities and Exchange Commission (SEC) on the earlier of the date it is received by the SEC at the address given below or, if received at that address after the date on which it is due, on the date it was mailed by United States registered or certified mail to that address.

Where To File: U.S. Securities and Exchange Commission, 450 Fifth Street, N.W., Washington, D.C. 20549.

Copies Required: Five (5) copies of this notice must be filed with the SEC, one of which must be manually signed. Any copies not manually signed must be photocopies of the manually signed copy or bear typed or printed signatures.

Information Required: A new filing must contain all information requested. Amendments need only report the name of the issuer and offering, any changes thereto, the information requested in Part C, and any material changes from the information previously supplied in Parts A and B. Part E and the Appendix need not be filed with the SEC.

Filing Fee: There is no federal 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. Issuers relying on ULOE must file a separate notice with the Securities Administrator in each state where sales are to be, or have been made. If a state requires the payment of a fee as a precondition to the claim for the exemption, a fee in the proper amount shall accompany this form. This notice shall be filed in the appropriate states in accordance with state law. The Appendix to the notice constitutes a part of this notice and must be completed.

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.

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)
Worthington, Gajus V.

Business or Residence Address (Number and Street, City, State, Zip Code)
c/o Fluidigm Corporation, 7000 Shoreline Drive, Suite 100, South San Francisco, CA 94080

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

Full Name (Last name first, if individual)
Quake, PhD, Stephen R.

Business or Residence Address (Number and Street, City, State, Zip Code)
c/o Department of Bioengineering, Stanford University, James H. Clark Center, E300, 318 Campus Drive, Stanford, CA 94305

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

Full Name (Last name first, if individual)
Burrows, Bruce

Business or Residence Address (Number and Street, City, State, Zip Code)
P.O. Box 802948, Santa Clarita, CA 91380-2948

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

Full Name (Last name first, if individual)
Colella, Samuel

Business or Residence Address (Number and Street, City, State, Zip Code)
c/o Versant Ventures, 3000 Sand Hill Road, Building 4, Suite 210, 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)
Hsu, Hingge

Business or Residence Address (Number and Street, City, State, Zip Code)
101 Hudson Street, 38th Floor, Jersey City, NJ 07302

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

Full Name (Last name first, if individual)
Hunkapiller, Michael W.

Business or Residence Address (Number and Street, City, State, Zip Code)
c/o Alloy Ventures, 400 Hamilton Avenue, 4th Floor, Palo Alto, CA 94301

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

Full Name (Last name first, if individual)
Jones, Elaine V

Business or Residence Address (Number and Street, City, State, Zip Code)
c/o EuclidSR, 45 Rockefeller Plaza, Suite 3240, New York, NY 10111

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)
Nussbacher, Kenneth

Business or Residence Address (Number and Street, City, State, Zip Code)
15881 Glen Una Drive, Los Gatos, CA 95030

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

Full Name (Last name first, if individual)
Smith, William M.

Business or Residence Address (Number and Street, City, State, Zip Code)
c/o Fluidigm Corporation, 7000 Shoreline Drive, Suite 100, South San Francisco, CA 94080

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

Full Name (Last name first, if individual)
Torres, Ed

Business or Residence Address (Number and Street, City, State, Zip Code)
c/o Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN 46285

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

Full Name (Last name first, if individual)
Young, John A.

Business or Residence Address (Number and Street, City, State, Zip Code)
c/o PageMill Investors, 167 South San Antonio Road, Suite 7, Los Altos, CA 94022-3055

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

Full Name (Last name first, if individual)
Jones, Robert C.

Business or Residence Address (Number and Street, City, State, Zip Code)
c/o Fluidigm Corporation, 7000 Shoreline Drive, Suite 100, South San Francisco, CA 94080

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

Full Name (Last name first, if individual)
Lucero, Michael Y.

Business or Residence Address (Number and Street, City, State, Zip Code)
c/o Fluidigm Corporation, 7000 Shoreline Drive, Suite 100, South San Francisco, CA 94080

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

Full Name (Last name first, if individual)
Yow, Grace

Business or Residence Address (Number and Street, City, State, Zip Code)
c/o Fluidigm Corporation, 7000 Shoreline Drive, Suite 100, South San Francisco, CA 94080

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)
EuclidSR Biotechnology Partners, L.P.

Business or Residence Address (Number and Street, City, State, Zip Code)
45 Rockefeller Center, Suite 3240, New York, NY 10111

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

Full Name (Last name first, if individual)
EuclidSR Partners, L.P.

Business or Residence Address (Number and Street, City, State, Zip Code)
45 Rockefeller Center, Suite 3240, New York, NY 10111

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

Full Name (Last name first, if individual)
Lehman Brothers Healthcare Venture Capital, L.P.

Business or Residence Address (Number and Street, City, State, Zip Code)
399 Park Avenue, 9th Floor, New York, NY 10022

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

Full Name (Last name first, if individual)
Lehman Brothers P.A., LLC

Business or Residence Address (Number and Street, City, State, Zip Code)
399 Park Avenue, 9th Floor, New York, NY 10022

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

Full Name (Last name first, if individual)
Lehman Brothers Partnership Account 2000/2001, L.P.

Business or Residence Address (Number and Street, City, State, Zip Code)
399 Park Avenue, 9th Floor, New York, NY 10022

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

Full Name (Last name first, if individual)
Lehman Brothers Offshore Partnership Account 2000/2001, L.P.

Business or Residence Address (Number and Street, City, State, Zip Code)
399 Park Avenue, 9th Floor, New York, NY 10022

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

Full Name (Last name first, if individual)
Lilly Bio Ventures, Eli Lilly and Company

Business or Residence Address (Number and Street, City, State, Zip Code)
c/o Lilly Ventures, Lilly Corporate Center, Indianapolis, IN 46285

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)

Biomedical Sciences Investment Fund Pte Ltd.

Business or Residence Address (Number and Street, City, State, Zip Code)

20 Biopolis Way, #09-01 Centros, Singapore 138668

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

Full Name (Last name first, if individual)

Invus, L.P.

Business or Residence Address (Number and Street, City, State, Zip Code)

135 East 57th Street, New York, NY 10022

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

Full Name (Last name first, if individual)

Alloy Partners, L.P.

Business or Residence Address (Number and Street, City, State, Zip Code)

400 Hamilton Avenue, 4th Floor, Palo Alto, CA 94301

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

Full Name (Last name first, if individual)

Alloy Ventures 2002, L.P.

Business or Residence Address (Number and Street, City, State, Zip Code)

400 Hamilton Avenue, 4th Floor, Palo Alto, CA 94301

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

Full Name (Last name first, if individual)

Alloy Ventures 2005, L.P.

Business or Residence Address (Number and Street, City, State, Zip Code)

400 Hamilton Avenue, 4th Floor, Palo Alto, CA 94301

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

Full Name (Last name first, if individual)

AllianceBernstein Venture Fund I, L.P.

Business or Residence Address (Number and Street, City, State, Zip Code)

1345 Avenue of the Americas, New York, NY 10105

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

Full Name (Last name first, if individual)

Cross Creek Capital, L.P. (PACO c/o 80-16-200-1037662)

Business or Residence Address (Number and Street, City, State, Zip Code)

150 Social Hall Avenue, 4th Floor, Salt Lake City, UT 84111

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)
Cross Creek Capital Employees' Fund, L.P. (PACO c/o 80-16-200-1037670)

Business or Residence Address (Number and Street, City, State, Zip Code)
150 Social Hall Avenue, 4th Floor, Salt Lake City, UT 84111

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

Full Name (Last name first, if individual)
Wasatch Funds, Inc. (Clearmoon & Co)

Business or Residence Address (Number and Street, City, State, Zip Code)
150 Social Hall Avenue, 4th Floor, Salt Lake City, UT 84111

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

Full Name (Last name first, if individual)
SMALLCAP World Fund, L.P. (Clipperbay & Co)

Business or Residence Address (Number and Street, City, State, Zip Code)
135 South State College Blvd., Brea, CA 92821

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

Full Name (Last name first, if individual)
Fidelity Contrafund: Fidelity Advisor New Insights Fund

Business or Residence Address (Number and Street, City, State, Zip Code)
One Federal Street, Boston, MA 02110

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

Full Name (Last name first, if individual)
Fidelity Contrafund: Fidelity Contrafund

Business or Residence Address (Number and Street, City, State, Zip Code)
One Federal Street, Boston, MA 02110

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

Full Name (Last name first, if individual)
Variable Insurance Products Fund II: Contrafund Portfolio

Business or Residence Address (Number and Street, City, State, Zip Code)
One Federal Street, Boston, MA 02110

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

Full Name (Last name first, if individual)

Business or Residence Address (Number and Street, City, State, Zip Code)

B. INFORMATION ABOUT OFFERING

1. Has the issuer sold, or does the issuer intend to sell, to non-accredited investors in this offering? Yes No
 Answer also in Appendix, Column 2, if filing under ULOE.
2. What is the minimum investment that will be accepted from any individual? \$ 0.00
 Yes No
3. Does the offering permit joint ownership of a single unit? Yes No
4. Enter the information requested for each person who has been or will be paid or given, directly or indirectly, any commission or similar remuneration for solicitation of purchasers in connection with sales of securities in the offering. If a person to be listed is an associated person or agent of a broker or dealer registered with the SEC and/or with a state or states, list the name of the broker or dealer. If more than five (5) persons to be listed are associated persons of such a broker or dealer, you may set forth the information for that broker or dealer only.

Full Name (Last name first, if individual)
Leerink Swann & Company

Business or Residence Address (Number and Street, City, State, Zip Code)
One Federal Street, 37th Floor, Boston, MA 02110

Name of Associated Broker or Dealer

States in Which Person Listed Has Solicited or Intends to Solicit Purchasers
 (Check "All States" or check individual States) All States

AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	PR

Full Name (Last name first, if individual)
 n/a

Business or Residence Address (Number and Street, City, State, Zip Code)
 n/a

Name of Associated Broker or Dealer
 n/a

States in Which Person Listed Has Solicited or Intends to Solicit Purchasers
 (Check "All States" or check individual States) All States

AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	PR

Full Name (Last name first, if individual)
 n/a

Business or Residence Address (Number and Street, City, State, Zip Code)
 n/a

Name of Associated Broker or Dealer
 n/a

States in Which Person Listed Has Solicited or Intends to Solicit Purchasers
 (Check "All States" or check individual States) All States

AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	PR

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 the 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.

Table with 3 columns: Type of Security, Aggregate Offering Price, Amount Already Sold. Rows include Debt, Equity, Convertible Securities, Partnership Interests, Other, and Total.

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."

Table with 3 columns: Investor Type, Number Investors, Aggregate Dollar Amount of Purchases. Rows include Accredited Investors, Non-accredited Investors, and Total.

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.

Table with 3 columns: Type of Offering, Type of Security, Dollar Amount Sold. Rows include Rule 505, Regulation A, Rule 504, and Total.

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 insurer. 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.

Table with 2 columns: Expense Category, Amount. Rows include Transfer Agent's Fees, Printing and Engraving Costs, Legal Fees, Accounting Fees, Engineering Fees, Sales Commissions, Other Expenses, and Total.

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

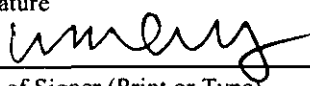
b. Enter the difference between the aggregate offering price given in response to Part C — Question 1 and total expenses furnished in response to Part C — Question 4.a. This difference is the "adjusted gross proceeds to the issuer." \$ 29,475,000.00

5. Indicate below the amount of the adjusted gross proceed 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 type="checkbox"/> \$ _____
Working capital.....	<input type="checkbox"/> \$ _____	<input checked="" type="checkbox"/> \$ <u>29,475,000.00</u>
Other (specify): _____	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
.....	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
Column Totals.....	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ <u>29,475,000.00</u>
Total Payments Listed (column totals added).....		<input checked="" type="checkbox"/> \$ <u>29,475,000.00</u>

D. FEDERAL SIGNATURE

The 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) Fluidigm Corporation	Signature 	Date October 18, 2007
Name of Signer (Print or Type) William M. Smith	Title of Signer (Print or Type) Corporate Secretary	

END

ATTENTION

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