THERMO FISHER SCIENTIFIC INC.

Form 4 May 22, 2008

FORM 4

OMB APPROVAL

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

OMB

Expires:

Check this box if no longer subject to Section 16. Form 4 or

3235-0287 Number: January 31,

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

2005 Estimated average burden hours per

Form 5 obligations

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

response... 0.5

may continue. See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

SPERLING SCOTT M

(Middle)

Symbol

THERMO FISHER SCIENTIFIC

INC. [TMO]

(Check all applicable)

3. Date of Earliest Transaction

(Month/Day/Year)

X_ Director 10% Owner Officer (give title Other (specify

C/O THOMAS H. LEE PARTNERS, 05/20/2008

(First)

L.P., 100 FEDERAL STREET,

35TH FLOOR

(Last)

(Street) 4. If Amendment, Date Original

(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

3.

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

BOSTON, MA 02110

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

4. Securities

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Indirect (I) Ownership (Instr. 4) (Instr. 4)

(A)

Reported

19,829

Transaction(s) (Instr. 3 and 4)

Common Stock

05/20/2008

Price Code V Amount (D) Α 2,143 \$0

D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of SEC 1474 information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

(9-02)

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1. Title of	2.	3. Transaction Date		4.	5.	6. Date Exerc		7. Titl		8. Price of	9. Nu
Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	(Month/Day/Year)	Execution Date, if any (Month/Day/Year)	Transacti Code (Instr. 8)	ofNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)			Amou Under Securi (Instr.	rlying	Derivative Security (Instr. 5)	Deriv Secur Bene Own Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

SPERLING SCOTT M C/O THOMAS H. LEE PARTNERS, L.P. 100 FEDERAL STREET, 35TH FLOOR BOSTON, MA 02110



Signatures

/s/ Scott M. Sperling

05/22/2008

Date

**Signature of Reporting Person

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. 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 number.

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