THERMO FISHER SCIENTIFIC INC.

Form 4

November 27, 2007

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

30(h) of the Investment Company Act of 1940

OMB Number:

3235-0287

Expires:

January 31, 2005

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OMB APPROVAL

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Check this box

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

See Instruction

1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * **DEKKERS MARIJN E**

(Middle)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Symbol

THERMO FISHER SCIENTIFIC INC. [TMO]

2. Issuer Name and Ticker or Trading

10% Owner

3. Date of Earliest Transaction

(Month/Day/Year) 11/26/2007

X_ Officer (give title below)

Other (specify Chief Executive Officer

81 WYMAN STREET, P.O. BOX

(First)

(Street)

9046

4. If Amendment, Date Original

Applicable Line)

X Director

Filed(Month/Day/Year)

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

6. Individual or Joint/Group Filing(Check

WALTHAM, MA 024549046

(City)	(State)	(Zip) Tab	le I - Non-	Derivative S	ecurit	ies Acqui	ired, Disposed of	, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired (A) Transactior Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)				5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common Stock	11/26/2007		M	132,600	A	\$ 19.67	250,723	D	
Common Stock	11/26/2007		S <u>(1)</u>	10,000	D	\$ 56.67	240,723	D	
Common Stock	11/26/2007		S <u>(1)</u>	900	D	\$ 56.74	239,823	D	
Common Stock	11/26/2007		S <u>(1)</u>	300	D	\$ 56.75	239,523	D	
Common Stock	11/26/2007		S <u>(1)</u>	800	D	\$ 56.76	238,723	D	

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Common Stock	11/26/2007	S <u>(1)</u>	100	D	\$ 56.77	238,623	D
Common Stock	11/26/2007	S <u>(1)</u>	100	D	\$ 56.78	238,523	D
Common Stock	11/26/2007	S <u>(1)</u>	5,000	D	\$ 56.8	233,523	D
Common Stock	11/26/2007	S <u>(1)</u>	300	D	\$ 56.9	233,223	D
Common Stock	11/26/2007	S <u>(1)</u>	400	D	\$ 56.91	232,823	D
Common Stock	11/26/2007	S <u>(1)</u>	200	D	\$ 56.92	232,623	D
Common Stock	11/26/2007	S <u>(1)</u>	100	D	\$ 56.93	232,523	D
Common Stock	11/26/2007	S <u>(1)</u>	1,500	D	\$ 56.94	231,023	D
Common Stock	11/26/2007	S <u>(1)</u>	100	D	\$ 56.95	230,923	D
Common Stock	11/26/2007	S <u>(1)</u>	6,000	D	\$ 56.96	224,923	D
Common Stock	11/26/2007	S <u>(1)</u>	7,800	D	\$ 56.97	217,123	D
Common Stock	11/26/2007	S <u>(1)</u>	11,800	D	\$ 56.98	205,323	D
Common Stock	11/26/2007	S(1)	30,200	D	\$ 56.99	175,123	D
Common Stock	11/26/2007	S(1)	26,800	D	\$ 57	148,323	D
Common Stock	11/26/2007	S <u>(1)</u>	5,332	D	\$ 57.01	142,991	D
Common Stock	11/26/2007	S <u>(1)</u>	8,668	D	\$ 57.02	134,323	D
Common Stock	11/26/2007	S <u>(1)</u>	1,800	D	\$ 57.03	132,523	D
Common Stock	11/26/2007	S <u>(1)</u>	2,100	D	\$ 57.04	130,423	D
Common Stock	11/26/2007	S <u>(1)</u>	1,300	D	\$ 57.05	129,123	D
Common Stock	11/26/2007	S <u>(1)</u>	1,000	D	\$ 57.06	128,123	D
	11/26/2007	S <u>(1)</u>	2,700	D		125,423	D

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Common Stock					\$ 57.07		
Common Stock	11/26/2007	S <u>(1)</u>	800	D	\$ 57.08	124,623	D
Common Stock	11/26/2007	S <u>(1)</u>	1,700	D	\$ 57.09	122,923	D
Common Stock	11/26/2007	S <u>(1)</u>	1,400	D	\$ 57.1	121,523	D
Common Stock	11/26/2007	S <u>(1)</u>	500	D	\$ 57.11	121,023	D

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

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SEC 1474

(9-02)

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number of ionDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ivative Expiration Date urities (Month/Day/Year) uired (A) or bosed of (D)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 19.67	11/26/2007		M		132,600	(2)	11/21/2012	Common Stock	132,600

Reporting Owners

Reporting Owner Name / Address	Relationships						
•	Director	10% Owner	Officer	Other			
DEKKERS MARIJN E 81 WYMAN STREET P.O. BOX 9046 WALTHAM, MA 024549046	X		Chief Executive Officer				

Reporting Owners 3

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Date

Signatures

By: Barbara J. Lucas, Attorney-in-Fact for Marijn E.

Dekkers

11/27/2007

**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).
- (1) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on August 20, 2007, and amended on November 6, 2007.
- (2) The option vests in three equal annual installments beginning on November 21, 2005.

Remarks:

Form 1 of 2

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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