THERMO FISHER SCIENTIFIC INC.

Form 4

March 16, 2007

FORM 4

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

response...

Check this box if no longer subject to Section 16. Form 4 or Form 5

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.

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * HOOGASIAN SETH H	2. Issuer Name and Ticker or Trading Symbol THERMO FISHER SCIENTIFIC INC. [TMO]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last) (First) (Middle) 81 WYMAN STREET, P.O. BOX 9046	3. Date of Earliest Transaction (Month/Day/Year) 03/15/2007	Director 10% Owner Selfont (give title Other (specify below) Sr. VP, Gen. Counsel & Sec.			
(Street) WALTHAM, MA 024549046	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			

(City)	(State)	(Zip) Tabl	e I - Non-I	Derivative S	Securi	ities Acqu	ired, Disposed of	f, 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. Transactio Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or		5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
C			Code V	Amount	(D)	Price	(Instr. 3 and 4)		
Common Stock	03/15/2007		M	316	A	\$ 11.1	38,598	D	
Common Stock	03/15/2007		M	261	A	\$ 12.23	38,859	D	
Common Stock	03/15/2007		M	15,000	A	\$ 20.27	53,859	D	
Common Stock	03/15/2007		M	539	A	\$ 26.59	54,398	D	
Common Stock	03/15/2007		M	432	A	\$ 27.78	54,830	D	

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Common Stock	03/15/2007	S <u>(1)</u>	900	D	\$ 44.79	53,930	D
Common Stock	03/15/2007	S(1)	700	D	\$ 44.8	53,230	D
Common Stock	03/15/2007	S(1)	1,000	D	\$ 44.82	52,230	D
Common Stock	03/15/2007	S(1)	400	D	\$ 44.83	51,830	D
Common Stock	03/15/2007	S(1)	1,900	D	\$ 44.84	49,930	D
Common Stock	03/15/2007	S(1)	200	D	\$ 44.86	49,730	D
Common Stock	03/15/2007	S(1)	600	D	\$ 44.87	49,130	D
Common Stock	03/15/2007	S(1)	400	D	\$ 44.88	48,730	D
Common Stock	03/15/2007	S(1)	1,300	D	\$ 44.89	47,430	D
Common Stock	03/15/2007	S(1)	400	D	\$ 44.9	47,030	D
Common Stock	03/15/2007	S(1)	1,100	D	\$ 44.91	45,930	D
Common Stock	03/15/2007	S(1)	1,100	D	\$ 44.92	44,830	D
Common Stock	03/15/2007	S(1)	200	D	\$ 44.93	44,630	D
Common Stock	03/15/2007	S(1)	200	D	\$ 44.94	44,430	D
Common Stock	03/15/2007	S(1)	300	D	\$ 44.95	44,130	D
Common Stock	03/15/2007	S(1)	200	D	\$ 44.97	43,930	D
Common Stock	03/15/2007	S(1)	1,300	D	\$ 44.99	42,630	D
Common Stock	03/15/2007	S(1)	1,800	D	\$ 45	40,830	D
Common Stock	03/15/2007	S(1)	300	D	\$ 45.01	40,530	D
Common Stock	03/15/2007	S(1)	200	D	\$ 45.03	40,330	D
	03/15/2007	S <u>(1)</u>	400	D		39,930	D

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Common Stock					\$ 45.04			
Common Stock	03/15/2007	S(1)	1,648	D	\$ 45.2 38	3,282	D	
Common Stock					41	11	I	By 401(k)

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. Transacti Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (I	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 20.27	03/15/2007		M	15,	,000	(2)	03/15/2009	Common Stock	15,000
Stock Option (Right to Buy)	\$ 26.59	03/15/2007		M	53	39	05/23/1997	05/23/2009	Common Stock	539
Stock Option (Right to Buy)	\$ 27.78	03/15/2007		M	4:	-32	05/23/1997	05/23/2009	Common Stock	432
Stock Option (Right to Buy)	\$ 11.1	03/15/2007		M	3	16	06/10/1997	06/10/2009	Common Stock	316
Stock Option (Right to Buy)	\$ 12.23	03/15/2007		M	20	61	10/01/1997	10/01/2009	Common Stock	261

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

HOOGASIAN SETH H 81 WYMAN STREET P.O. BOX 9046 WALTHAM, MA 024549046

Sr. VP, Gen. Counsel & Sec.

Signatures

By: Barbara J. Lucas, Attorney-in-Fact for Seth H. Hoogasian

03/16/2007

**Signature of Reporting Person

Date

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 November 13, 2006.
- (2) Immediately

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