THERMO FISHER SCIENTIFIC INC.

Form 4

November 08, 2007

FORM 4 LINE

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

OMB Number: 3235-0287

OMB APPROVAL

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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Form 4 or Form 5 obligations may continue. See Instruction

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

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * DEKKERS MARIJN E	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) 11/06/2007	X Director 10% Owner X Officer (give title Other (specify below) Chief Executive Officer		
(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	le I - Non-I	Derivative S	ecuriti	ies Acqui	red, 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. Transactic Code (Instr. 8)	4. Securitie omr Disposed (Instr. 3, 4 a	d of (D))	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	11/06/2007		M	146,000	A		270,692	D	
Stock						¢			

Common Stock	11/06/2007	M	146,000	A	\$ 27.4	270,692	D
Common Stock	11/06/2007	S	68,360	D	\$ 57.25	202,332	D
Common Stock	11/06/2007	S	13,850	D	\$ 57.26	188,482	D
Common Stock	11/06/2007	S	3,800	D	\$ 57.27	184,682	D
Common Stock	11/06/2007	S	6,300		\$ 57.28		D

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Common Stock	11/06/2007	S	4,900	D	\$ 57.29	173,482	D
Common Stock	11/06/2007	S	4,200	D	\$ 57.3	169,282	D
Common Stock	11/06/2007	S	200	D	\$ 57.31	169,082	D
Common Stock	11/06/2007	S	500	D	\$ 57.32	168,582	D
Common Stock	11/06/2007	S	200	D	\$ 57.33	168,382	D
Common Stock	11/06/2007	S	800	D	\$ 57.34	167,582	D
Common Stock	11/06/2007	S	800	D	\$ 57.35	166,782	D
Common Stock	11/06/2007	S	1,000	D	\$ 57.36	165,782	D
Common Stock	11/06/2007	S	1,900	D	\$ 57.37	163,882	D
Common Stock	11/06/2007	S	1,700	D	\$ 57.38	162,182	D
Common Stock	11/06/2007	S	3,500	D	\$ 57.39	158,682	D
Common Stock	11/06/2007	S	1,200	D	\$ 57.4	157,482	D
Common Stock	11/06/2007	S	1,200	D	\$ 57.41	156,282	D
Common Stock	11/06/2007	S	600	D	\$ 57.43	155,682	D
Common Stock	11/06/2007	S	800	D	\$ 57.44	154,882	D
Common Stock	11/06/2007	S	400	D	\$ 57.45	154,482	D
Common Stock	11/06/2007	S	200	D	\$ 57.46	154,282	D
Common Stock	11/06/2007	S	1,000	D	\$ 57.47	153,282	D
Common Stock	11/06/2007	S	1,400	D	\$ 57.48	151,882	D
Common Stock	11/06/2007	S	800	D	\$ 57.49	151,082	D
	11/06/2007	S	14,200	D	\$ 57.5	136,882	D

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Common Stock							
Common Stock	11/06/2007	S	3,400	D	\$ 57.51	133,482	D
Common Stock	11/06/2007	S	700	D	\$ 57.52	132,782	D
Common Stock	11/06/2007	S	3,190	D	\$ 57.53	129,592	D
Common Stock	11/06/2007	S	2,600	D	\$ 57.54	126,992	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)	orDeriv Secur Acqu Dispo		6. Date Exerc Expiration D (Month/Day/	ate	7. Title and A Underlying S (Instr. 3 and	Securities
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 27.4	11/06/2007		M		146,000	<u>(1)</u>	02/25/2012	Common Stock	146,000

Reporting Owners

Reporting Owner Name / Address	Relationships							
1 8	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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Signatures

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

Dekkers

11/08/2007

**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 option vests in three equal annual installments beginning on February 25, 2006.

Remarks:

Form 1 of 2

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