MANZI JIM P Form 4 August 23, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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OMB APPROVAL

if no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

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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)

See Instruction

1. Name and Address of Reporting Person * MANZI JIM P	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) 08/22/2007	X Director 10% Owner Officer (give title below) Other (specify below)		
(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) Table	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed o	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. Transactic Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5)		n(A) or Disposed of (D) Se (Instr. 3, 4 and 5) Be Ov Fo		eaction(A) or Disposed of (D) (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)					
Common Stock	08/22/2007		S	500	D	\$ 50.4	34,725	D				
Common Stock	08/22/2007		S	500	D	\$ 50.41	34,225	D				
Common Stock	08/22/2007		S	400	D	\$ 50.42	33,825	D				
Common Stock	08/22/2007		S	200	D	\$ 50.43	33,625	D				
Common Stock	08/22/2007		S	200	D	\$ 50.44	33,425	D				

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Common Stock	08/22/2007	S	700	D	\$ 50.45	32,725	D
Common Stock	08/22/2007	S	700	D	\$ 50.46	32,025	D
Common Stock	08/22/2007	S	400	D	\$ 50.47	31,625	D
Common Stock	08/22/2007	S	200	D	\$ 50.48	31,425	D
Common Stock	08/22/2007	S	1,000	D	\$ 50.49	30,425	D
Common Stock	08/22/2007	S	200	D	\$ 50.5	30,225	D
Common Stock	08/22/2007	S	600	D	\$ 50.54	29,625	D
Common Stock	08/22/2007	S	500	D	\$ 50.56	29,125	D
Common Stock	08/22/2007	S	100	D	\$ 50.59	29,025	D
Common Stock	08/22/2007	S	300	D	\$ 50.62	28,725	D
Common Stock	08/22/2007	S	500	D	\$ 50.64	28,225	D
Common Stock	08/22/2007	S	1,700	D	\$ 50.65	26,525	D
Common Stock	08/22/2007	S	1,000	D	\$ 50.66	25,525	D
Common Stock	08/22/2007	S	100	D	\$ 50.67	25,425	D
Common Stock	08/22/2007	S	100	D	\$ 50.71	25,325	D
Common Stock	08/22/2007	S	500	D	\$ 50.72	24,825	D
Common Stock	08/22/2007	S	300	D	\$ 50.74	24,525	D
Common Stock	08/22/2007	S	1,800	D	\$ 50.75	22,725	D
Common Stock	08/22/2007	S	200	D	\$ 50.77	22,525	D
Common Stock	08/22/2007	S	100	D	\$ 50.79	22,425	D
	08/22/2007	S	100	D	\$ 50.8	22,325	D

Common Stock							
Common Stock	08/22/2007	S	400	D	\$ 50.81	21,925	D
Common Stock	08/22/2007	S	200	D	\$ 50.82	21,725	D
Common Stock	08/22/2007	S	600	D	\$ 50.83	21,125	D
Common Stock	08/22/2007	S	200	D	\$ 50.84	20,925	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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	orNumber	Expiration D	ate	Amoun	t of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day	/Year)	Underly	ying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e`		Securiti	ies	(Instr. 5)	Bene
	Derivative			,	Securities	•		(Instr. 3	3 and 4)		Owne
	Security				Acquired				,		Follo
	2000				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						(IIIsti
					4, and 5)						
					1, 4114 5)						
								I	Amount		
						D-4-	F	C	or		
						Date	Expiration	Title 1	Number		
						Exercisable	Date	(of		
				Code V	(A) (D)			5	Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
Transfer and an area are	Director	10% Owner	Officer	Other			
MANZI JIM P 81 WYMAN STREET P.O. BOX 9046 WALTHAM, MA 024549046	X						

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Signatures

By: Barbara J. Lucas, Attorney-in-Fact for Jim P.
Manzi

08/23/2007

**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).

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.

Signatures 4