THERMO FISHER SCIENTIFIC INC.

Form 4

September 05, 2007

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

OMB APPROVAL

3235-0287

Expires:

January 31, 2005

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

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. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * **BROADBENT GUY**

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

THERMO FISHER SCIENTIFIC INC. [TMO]

(Check all applicable)

Senior Vice President

(Middle) (Last) (First)

(Street)

3. Date of Earliest Transaction (Month/Day/Year)

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

81 WYMAN STREET, P.O. BOX

9046

4. If Amendment, Date Original

Filed(Month/Day/Year)

09/04/2007

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

WALTHAM, MA 024549046

(City)	(State)	(Zip) Tabl	le I - Non-I	Derivative	Secur	ities Acqu	iired, Disposed of	f, or Beneficiall	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) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	09/04/2007		Code V S	Amount 600	(D)	Price \$ 54.41	77,455	D	
Common Stock	09/04/2007		S	1,300	D	\$ 54.42	76,155	D	
Common Stock	09/04/2007		S	1,700	D	\$ 54.43	74,455	D	
Common Stock	09/04/2007		S	616	D	\$ 54.44	73,839	D	
Common Stock	09/04/2007		S	955	D	\$ 54.45	72,884	D	

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Common Stock	09/04/2007	S	2,200	D	\$ 54.47	70,684	D
Common Stock	09/04/2007	S	7,100	D	\$ 54.49	63,584	D
Common Stock	09/04/2007	S	1,000	D	\$ 54.5	62,584	D
Common Stock	09/04/2007	S	3,300	D	\$ 54.51	59,284	D
Common Stock	09/04/2007	S	3,700	D	\$ 54.52	55,584	D
Common Stock	09/04/2007	S	500	D	\$ 54.53	55,084	D
Common Stock	09/04/2007	S	18,800	D	\$ 54.54	36,284	D
Common Stock	09/04/2007	S	2,487	D	\$ 54.55	33,797	D
Common Stock	09/04/2007	S	1,900	D	\$ 54.56	31,897	D
Common Stock	09/04/2007	S	1,742	D	\$ 54.57	30,155	D
Common Stock	09/04/2007	S	1,000	D	\$ 54.58	29,155	D
Common Stock	09/04/2007	S	1,600	D	\$ 54.59	27,555	D
Common Stock	09/04/2007	S	2,500	D	\$ 54.6	25,055	D
Common Stock	09/04/2007	S	400	D	\$ 54.61	24,655	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)

2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exercisable and	7. Title and	8. Price of	9. Nu
Conversion	(Month/Day/Year)	Execution Date, if	Transaction	orNumber	Expiration Date	Amount of	Derivative	Deriv
or Exercise		any	Code	of	(Month/Day/Year)	Underlying	Security	Secui
Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e	Securities	(Instr. 5)	Bene
Derivative				Securities	S	(Instr. 3 and 4)		Owne
Security				Acquired				Follo
_				(A) or				Repo
	or Exercise Price of Derivative	Conversion (Month/Day/Year) or Exercise Price of Derivative	or Exercise any Price of (Month/Day/Year) Derivative	Conversion (Month/Day/Year) Execution Date, if Transaction or Exercise any Code Price of (Month/Day/Year) (Instr. 8) Derivative	Conversion (Month/Day/Year) Execution Date, if TransactionNumber or Exercise any Code of Price of (Month/Day/Year) (Instr. 8) Derivative Security Security	Conversion (Month/Day/Year) Execution Date, if TransactionNumber Expiration Date or Exercise any Code of (Month/Day/Year) Price of (Month/Day/Year) (Instr. 8) Derivative Derivative Security Securities Acquired	Conversion (Month/Day/Year) Execution Date, if or Exercise any Code of (Month/Day/Year) Underlying Price of (Month/Day/Year) (Instr. 8) Derivative Securities Security Securities Expiration Date Amount of (Month/Day/Year) Underlying Securities Securities (Instr. 3 and 4)	Conversion (Month/Day/Year) Execution Date, if Code of Code of (Month/Day/Year) Execution Date, if TransactionNumber Expiration Date Amount of Derivative Security Price of (Month/Day/Year) (Instr. 8) Derivative Securities (Instr. 5) Derivative Security Acquired

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Disposed of (D) (Instr. 3, 4, and 5)

Code V (A) (D) Date

Exercisable

Expiration Title Amount Date

or

Trans

(Insti

Number of Shares

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

BROADBENT GUY 81 WYMAN STREET P.O. BOX 9046 WALTHAM, MA 024549046

Senior Vice President

Signatures

By: Barbara J. Lucas, Attorney-in-Fact for Guy Broadbent

09/05/2007

**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 2 of 2

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