THERMO FISHER SCIENTIFIC INC.

Form 4

February 27, 2008

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

OMB APPROVAL

3235-0287

Expires:

January 31, 2005

0.5

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may continue.

See Instruction

Check this box

if no longer

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).

(City)

(Print or Type Responses)

1. Name and Address of Reporting Person * WILVER PETER M	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer		
	THERMO FISHER SCIENTIFIC INC. [TMO]	(Check all applicable)		
(Last) (First) (Middle)	3. Date of Earliest Transaction (Month/Day/Year)	Director 10% OwnerX_ Officer (give title Other (specify		
81 WYMAN STREET, P.O. BOX 9046	02/26/2008	below) Sr. VP & CFO		
(Street)	4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting		
WALTHAM, MA 024549046		Form filed by More than One Reporting Person		

(,)	(= ::::)	Tabl	e I - Non-L	Derivative S	Securi	ties Acqu	iirea, Disposea of	, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	any Co			4. Securit on(A) or Dis (Instr. 3, 4	sposed	of (D)	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)
			Code V	Amount	(D)	Price	(Instr. 3 and 4)		
Common Stock	02/26/2008		M	44,756	A	\$ 30.59	69,139	D	
Common Stock	02/26/2008		S <u>(1)</u>	44,756	D	\$ 58	24,383	D	

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

(Zip)

(State)

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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. Transactio Code (Instr. 8)	sactionDerivative Securities		Expiration Date (Month/Day/Year) A) d of		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)	\$ 30.59	02/26/2008		M		44,756	(2)	06/02/2011	Common Stock	44,756	

Reporting Owners

Reporting Owner Name / Address	Relationships						
1 0	Director	10% Owner	Officer	Other			
WILVER PETER M							
81 WYMAN STREET			Sr. VP & CFO				

P.O. BOX 9046 WALTHAM, MA 024549046

Signatures

By: Barbara J. Lucas, Attorney-in-Fact for Peter M. Wilver 02/27/2008

**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 29, 2007, and amended on February 13, 2008.
- (2) The option originally was to have vested in three equal annual installments beginning on June 2, 2005, but became fully exercisable on November 9, 2006, as a result of the Issuer's merger with Fisher Scientific International Inc.

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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