CASPER MARC N Form 4 March 06, 2012

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

January 31, Expires: 2005

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

response... 0.5

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 * CASPER MARC N			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) 81 WYMAN	(First) STREET	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 03/02/2012	_X_ Director 10% Owner _X_ Officer (give title Other (specify below) Chief Executive Officer		
	(Street) 4. If Amendment, Date Filed(Month/Day/Year)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Chec Applicable Line)		
WALTHAM,	MA 02451			_X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Tab	le I - Non-l	Derivative S	ecurit	ies Acqui	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr. 8)	4. Securitie onor Disposed (Instr. 3, 4	d of (E and 5) (A) or	0)	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			Code V	Amount	(D)	Price	· ·		
Stock	03/02/2012		A	145,900	A	\$ 0	425,334.53	D	
Common Stock	03/05/2012		M	100,000	A	\$ 34.86	525,334.53	D	
Common Stock	03/05/2012		S <u>(1)</u>	100,000	D	\$ 56.51 (2)	425,334.53	D	

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

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displays a currently valid OMB control number.

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. Transaction Code (Instr. 8)	5. Number of ionDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		e Expiration Date (Month/Day/Year) (A) or of (D)		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)	\$ 34.86	03/05/2012		M		100,000	<u>(3)</u>	02/27/2013	Common Stock	100,000

Reporting Owners

Reporting Owner Name / Address	Relationship
Reporting Owner Name / Address	

Director 10% Owner Officer Other

CASPER MARC N

81 WYMAN STREET X Chief Executive Officer

WALTHAM, MA 02451

Signatures

/s/ Barbara J. Lucas, Attorney-in-Fact for Marc N.
Casper 03/06/2012

**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 February 3, 2012.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$56.28 to \$57.10, inclusive. The reporting person undertakes to provide to Thermo Fisher Scientific Inc. ("TMO"), any security holder of TMO or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- (3) The option originally was to have vested in three equal annual installments beginning on February 27, 2007, 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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