Thomson Andrew J Form 3 February 29, 2012

FORM 3

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

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement THERMO FISHER SCIENTIFIC INC. [TMO] Thomson Andrew J (Month/Day/Year) 02/28/2012 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 81 WYMAN STREET (Check all applicable) (Street) 6. Individual or Joint/Group Filing(Check Applicable Line) 10% Owner Director _X_ Form filed by One Reporting _X__ Officer Other Person WALTHAM, MAÂ 02451 (give title below) (specify below) Form filed by More than One Senior Vice President Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 2. Amount of Securities 4. Nature of Indirect Beneficial 1. Title of Security Beneficially Owned Ownership Ownership (Instr. 4) (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5) D Â Common Stock 7,336 Reminder: Report on a separate line for each class of securities beneficially SEC 1473 (7-02) owned directly or indirectly. Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

currently valid OMB control number.

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security		4. Conversion or Exercise	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership	
		(In:		Price of		Derivative	(Instr. 5)	
	Date Exercisable I	Expiration Date	Title	Amount or Number of	Derivative Security	Security: Direct (D) or Indirect		

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				Shares		(I) (Instr. 5)	
Stock Option (Right to Buy)	(1)	02/06/2016	Common Stock	25,000	\$ 40	D	Â
Stock Option (Right to Buy)	(2)	11/20/2016	Common Stock	12,700	\$ 46.56	D	Â
Stock Option (Right to Buy)	(3)	02/23/2018	Common Stock	16,900	\$ 54.97	D	Â
Stock Option (Right to Buy)	03/05/2011(4)	03/05/2017	Common Stock	8,600	\$ 49.49	D	Â
Stock Option (Right to Buy)	03/05/2012(5)	03/05/2017	Common Stock	3,650	\$ 49.49	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships						
1 8	Director 10% Owner		Officer	Othe			
Thomson Andrew J 81 WYMAN STREET WALTHAM Â MAÂ 02451	Â	Â	Senior Vice President	Â			

Signatures

Barbara J. Lucas, Attorney-in-Fact for Andrew J.
Thomson

02/29/2012

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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 vested in three equal installments on February 6, 2010, 2011 and 2012.
- (2) The option is exercisable in three equal annual installments. The first and second installments became exercisable on November 20, 2010 and 2011, and the third installment will be exercisable on November 20, 2012.
- (3) The option is exercisable in four equal annual installments. The first installment became exercisable on February 23, 2012, and the next three installments become exercisable on February 23, 2013, 2014 and 2015.
- (4) The option is exercisable in four equal annual installments. The first installment became exercisable on March 5, 2011, and the next three installments become exercisable on March 5, 2012, 2013, and 2014.
- (5) The option vests in four equal annual installments beginning on March 5, 2012.

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Remarks:

Exhibit List Â Â Êxhibit 24 - Confirming Statement

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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