

Thomson Andrew J
Form 3
February 29, 2012

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0104
Expires: January 31, 2005
Estimated average burden hours per response... 0.5

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)

<p>1. Name and Address of Reporting Person *</p> <p>Thomson Andrew J</p> <p>(Last) (First) (Middle)</p> <p>81 WYMAN STREET</p> <p>(Street)</p> <p>WALTHAM, MA 02451</p> <p>(City) (State) (Zip)</p>	<p>2. Date of Event Requiring Statement</p> <p>(Month/Day/Year)</p> <p>02/28/2012</p>	<p>3. Issuer Name and Ticker or Trading Symbol</p> <p>THERMO FISHER SCIENTIFIC INC. [TMO]</p>	<p>4. Relationship of Reporting Person(s) to Issuer</p> <p>(Check all applicable)</p> <p><input type="checkbox"/> Director <input type="checkbox"/> 10% Owner</p> <p><input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other</p> <p>(give title below) (specify below)</p> <p>Senior Vice President</p>	<p>5. If Amendment, Date Original Filed(Month/Day/Year)</p>	<p>6. Individual or Joint/Group Filing(Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person</p> <p><input type="checkbox"/> Form filed by More than One Reporting Person</p>
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Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	7,336	D	^

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

SEC 1473 (7-02)

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

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 (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of	

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				Shares		(I) (Instr. 5)	
Stock Option (Right to Buy)	Â (1)	02/06/2016	Common Stock	25,000	\$ 40	D	Â
Stock Option (Right to Buy)	Â (2)	11/20/2016	Common Stock	12,700	\$ 46.56	D	Â
Stock Option (Right to Buy)	Â (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			
	Director	10% Owner	Officer	Other
Thomson Andrew J 81 WYMAN STREET WALTHAM, MA 02451	Â	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 - Exhibit 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.