

THERMO FISHER SCIENTIFIC INC.
 Form 4
 February 18, 2014

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287
 Expires: January 31, 2015
 Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN 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 Person *
 Thomson Andrew J

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) (First) (Middle)
 81 WYMAN STREET
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 02/14/2014

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 Senior Vice President

WALTHAM, MA 02451

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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 Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	02/14/2014		M		6,450	A	\$ 49.49
					52,609		
Common Stock	02/14/2014		M		8,450	A	\$ 54.97
					61,059		
Common Stock	02/14/2014		M		1,825	A	\$ 49.49
					62,884		
Common Stock	02/14/2014		S		16,725	D	\$ 123.14
							(1)

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)

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 Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	Amount or Number of Shares			
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	
Stock Option (Right to Buy)	\$ 49.49	02/14/2014		M		6,450		03/05/2011 ⁽²⁾	03/05/2017	Common Stock	6,450
Stock Option (Right to Buy)	\$ 54.97	02/14/2014		M		8,450		⁽³⁾	02/23/2018	Common Stock	8,450
Stock Option (Right to Buy)	\$ 49.49	02/14/2014		M		1,825		03/05/2012 ⁽⁴⁾	03/05/2017	Common Stock	1,825

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Thomson Andrew J 81 WYMAN STREET WALTHAM, MA 02451			Senior Vice President	

Signatures

Barbara J. Lucas, Attorney-in-Fact for Andrew J. Thomson
02/18/2014

__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).

- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$122.96 to \$123.27, 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.
- (1) The option is exercisable in four equal annual installments. The first, second and third installments became exercisable on March 5, 2011, 2012 and 2013, and the next installment becomes exercisable on March 5, 2014.
 - (3) The option is exercisable in four equal annual installments. The first and second installments became exercisable on February 23, 2012, and 2013, and the next two installments become exercisable on February 23, 2014 and 2015.
 - (4) The option is exercisable in four equal annual installments. The first and second installments became exercisable on March 5, 2012 and 2013, and the next two installments become exercisable on March 5, 2014 and 2015.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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