THERMO FISHER SCIENTIFIC INC.

Form 4

October 02, 2007

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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January 31, 2005

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OMB APPROVAL

subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

if no longer

Check this box

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 * Bell Michael Adam

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to

Symbol

THERMO FISHER SCIENTIFIC

(Check all applicable)

INC. [TMO]

(Month/Day/Year)

09/29/2007

(Last)

(City)

1. Title of

Security

(Instr. 3)

(First) (Middle) 3. Date of Earliest Transaction

X_ Director Officer (give title

10% Owner Other (specify

81 WYMAN STREET, P.O. BOX

(Street)

9046

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

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

Issuer

below)

WALTHAM, MA 024549046

(State) (Zip) 2. Transaction Date 2A. Deemed

(Month/Day/Year) Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (I) (Instr. 4) (Instr. 4)

Reported (A) Transaction(s) or (Instr. 3 and 4)

Code V Amount (D) Price

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form 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)

3. Transaction Date 3A. Deemed 6. Date Exercisable and 7. Title and Amount of 8. Pr 1. Title of 5. Number of (Month/Day/Year) Execution Date, if TransactionDerivative **Expiration Date Underlying Securities** Conversion

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| Security (Instr. 3) | or Exercise Price of Derivative Security | | any (Month/Day/Year) | Code Securities (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | A) | (Month/Day/Year) | | (Instr. 3 and 4) | |
|---------------------------|--|------------|-------------------------|---|--------|------------------------|--------------------|-----------------|-------------------------------------|--|
| | | | | Code V | (A) (| D) Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |
| Phantom Stock Units | <u>(1)</u> | 09/29/2007 | | A | 151.59 | (2) | (2) | Common Stock | 151.59 | |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Bell Michael Adam 81 WYMAN STREET P.O. BOX 9046 WALTHAM, MA 024549046

Signatures

By: Barbara J. Lucas, Attorney-in-Fact for Michael Adam Bell

10/02/2007

**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) Convertible into Common Stock on a 1-for-1 basis.

Represents stock units credited to the Reporting Person's account as of September 29, 2007, at a price of \$57.72 per unit pursuant to the Issuer's Deferred Compensation Plan for Directors (the 'Plan'). Director's fees and retainers are deferred quarterly under the Plan as Common Stock units based on the closing price of the stock as of the quarter end. The shares are distributable as stock upon cessation of director service (for any reason) or a change of control.

Remarks:

Exhibit List Exhibit 24 - Confirming Statement (Note: Exhibit 24, which previously was filed with the Reporting Peron's 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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