

Walder Fredric T
Form 4
August 24, 2007

FORM 4

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

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

OMB APPROVAL

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(Print or Type Responses)

1. Name and Address of Reporting Person *
Walder Fredric T

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, P.O. BOX
9046

3. Date of Earliest Transaction
(Month/Day/Year)
08/22/2007

____ Director ____ 10% Owner
__X__ Officer (give title below) ____ Other (specify below)
Sr. VP, Customer Excellence

(Street)
WALTHAM, MA 024549046

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

6. Individual or Joint/Group Filing(Check
Applicable Line)
__X__ 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price		
Common Stock	08/22/2007		M		5,471	A	\$ 11.89	19,701	D
Common Stock	08/22/2007		M		17,444	A	\$ 22.47	37,145	D
Common Stock	08/22/2007		M		11,346	A	\$ 10.86	48,491	D
Common Stock	08/22/2007		M		25,000	A	\$ 20.27	73,491	D
Common Stock	08/22/2007		M		50,000	A	\$ 19.67	123,491	D

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Common Stock	08/22/2007	S	100	D	\$ 50.95	123,391	D	
Common Stock	08/22/2007	S	200	D	\$ 50.98	123,191	D	
Common Stock	08/22/2007	S	1,200	D	\$ 50.99	121,991	D	
Common Stock	08/22/2007	S	44,944	D	\$ 51	77,047	D	
Common Stock	08/22/2007	S	45,846	D	\$ 51.01	31,201	D	
Common Stock	08/22/2007	S	4,300	D	\$ 51.02	26,901	D	
Common Stock	08/22/2007	S	2,000	D	\$ 51.03	24,901	D	
Common Stock	08/22/2007	S	100	D	\$ 51.04	24,801	D	
Common Stock	08/22/2007	S	4,600	D	\$ 51.05	20,201	D	
Common Stock	08/22/2007	S	5,971	D	\$ 51.06	14,230	D	
Common Stock						320	I	By 401(k) by Spouse
Common Stock						368	I	By Spouse

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

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(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)	8. Amount or Number of Shares
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title

Stock Option (Right to Buy)	\$ 11.89	08/22/2007	M	5,471	<u>(1)</u>	02/08/2008	Common Stock	5,471
Stock Option (Right to Buy)	\$ 22.47	08/22/2007	M	17,444	<u>(1)</u>	03/14/2008	Common Stock	17,444
Stock Option (Right to Buy)	\$ 10.86	08/22/2007	M	11,346	<u>(1)</u>	04/11/2008	Common Stock	11,346
Stock Option (Right to Buy)	\$ 20.27	08/22/2007	M	25,000	<u>(1)</u>	03/15/2009	Common Stock	25,000
Stock Option (Right to Buy)	\$ 19.67	08/22/2007	M	50,000	<u>(1)</u>	11/21/2012	Common Stock	50,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Walder Fredric T 81 WYMAN STREET P.O. BOX 9046 WALTHAM, MA 024549046			Sr. VP, Customer Excellence	

Signatures

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

08/24/2007

__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) Immediately

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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