

VERTEX PHARMACEUTICALS INC / MA
 Form 4
 July 16, 2010

FORM 4

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

OMB APPROVAL

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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 *
 MUELLER PETER

2. Issuer Name and Ticker or Trading Symbol
 VERTEX PHARMACEUTICALS INC / MA [VRTX]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)
 Director 10% Owner
 Officer (give title below) Other (specify below)
 EVP, Global R&D, CSO

(Last) (First) (Middle)
 C/O VERTEX PHARMACEUTICALS INCORPORATED, 130 WAVERLY STREET

3. Date of Earliest Transaction (Month/Day/Year)
 07/14/2010

(Street)
 CAMBRIDGE, MA 02139

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)
				(A) or (D)	Price		
Common Stock	07/15/2010		M	V	\$ 10.41	120,834	D
Common Stock	07/15/2010		S ⁽¹⁾	V	\$ 34.24	119,234	D
Common Stock					(2) (3)	4,150	I 401(k)

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 Security (Instr. 3 and 4)	8. Amount or Number of Shares
Stock Option	\$ 10.41	07/15/2010		M	1,600	(4) 02/02/2015	Common Stock	1,
Stock Option	\$ 33.82	07/14/2010		A	36,250	10/14/2010(5) 07/13/2020	Common Stock	36,

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MUELLER PETER C/O VERTEX PHARMACEUTICALS INCORPORATED 130 WAVERLY STREET CAMBRIDGE, MA 02139			EVP, Global R&D, CSO	

Signatures

Valerie L. Andrews, 07/16/2010
Attorney-In-Fact

**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) Transaction made pursuant to Dr. Mueller's company approved trading plan under Rule 10b5-1.
- (2) Open market sales reported on this line occurred at a weighted average price of \$34.24 (range \$34.04 to \$34.50).
- (3) Dr. Mueller undertakes to provide (upon request by the SEC staff, the issuer or a security holder of the issuer) full information regarding the number of shares sold at each separate price.
- (4) Fully vested.
- (5) Right to buy under 2006 Stock and Option Plan, vesting in 16 quarterly installments from 07/14/2010.

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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