

VERTEX PHARMACEUTICALS INC / MA
 Form 4
 October 16, 2008

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
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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)

(Last) (First) (Middle)

3. Date of Earliest Transaction
 (Month/Day/Year)
 10/15/2008

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 EVP Drug Innov.& Realiz, CSO

C/O VERTEX
 PHARMACEUTICALS
 INCORPORATED, 130 WAVERLY
 STREET

(Street)

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

CAMBRIDGE, MA 02139

(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	10/15/2008		M	2,400 A \$ 9.07	88,790	D	
Common Stock	10/15/2008		S ⁽¹⁾	720 D 25.73	88,070	D	
				(2) (5)			
Common Stock	10/15/2008		S ⁽¹⁾	1,200 D 26.84	86,870	D	
				(3) (5)			

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 \$25.73 (range \$25.35 to \$26.18).
- (3) Open market sales reported on this line occurred at a weighted average price of \$26.84 (range \$26.44 to \$27.36).
- (4) Open market sales reported on this line occurred at a weighted average price of \$27.74 (range \$27.61 to \$27.87).
- (5) 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.
- (6) Fully vested.

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.