SEC	Form	4
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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

			washington, D.C.	20549			0	MB APPRC	VAL
Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).	rm 4 or Form 5 ´ y continue. See								3235-0287 en 0.5
1. Name and Address of Reporting Person MUELLER PETER				ng Symbol UTICALS INC /		ationship of Re all applicable Director Officer (give below)	e)	Person(s) to Is 10% C Other below))wner (specify
C/O VERTEX PHARMACEUTICA INCORPORATED	(Middle) ALS	3. Date of Earlie 02/03/2010	st Transaction (Mo	nth/Day/Year)	1	EVP, O	Global	R&D, CSO	
130 WAVERLY STREET		4. If Amendmen	t, Date of Original F	iled (Month/Day/Year)	6. Indiv Line)	vidual or Joint	Group I	Filing (Check A	pplicable
(Street) CAMBRIDGE MA	02139				X			Reporting Pers than One Rep	
(City) (State)	(Zip)								
Tab	le I - Non-Deriv	ative Securiti	es Acquired, I	Disposed of, or Benef	ficially	Owned			
1. Title of Security (Instr. 3)	2. Transacti Date	ion 2A. Deeme		4. Securities Acquired (A) of Disposed Of (D) (Instr. 3. 4		5. Amount of Securities		6. Ownership Form: Direct	7. Nature of Indirect

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Transaction Code (Instr.		4. Securities Disposed Of			5. Amount of Securities Beneficially Owned Following Reported	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	Transaction(s) (Instr. 3 and 4)		(1150.4)
Common Stock	02/03/2010		S ⁽¹⁾		3,844	D	\$40.07 ⁽²⁾⁽³⁾	111,004	D	
Common Stock								3,882	Ι	401(k)

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. Transa Code (8)		of Expi		6. Date Exerc Expiration Da (Month/Day/Y	ate	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:

1. Transaction made pursuant to Dr. Mueller's company approved trading plan establishded under Rule 10b5-1.

2. Open market sales reported on this line occurred at a weighted average price of \$40.07 (range \$40.02 to \$40.23).

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. **Remarks:**

> Valerie L. Andrews, Attorney-02/04/2010

In-Fact

** Signature of Reporting Person Date

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

 * 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).

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.