Altus Pharmaceuticals Inc.

Form 4

September 19, 2007

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

2005

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January 31, Expires:

OMB APPROVAL

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may continue.

See Instruction

Check this box

if no longer

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 * Lieber Jonathan I

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

(Last)

(Middle)

(Zip)

Altus Pharmaceuticals Inc. [ALTU]

(Check all applicable)

C/O ALTUS

(First)

PHARMACEUTICALS INC., 125 SIDNEY STREET

3. Date of Earliest Transaction

(Month/Day/Year) 09/17/2007

Director 10% Owner X_ Officer (give title Other (specify

VP, CFO and Treasurer

(Street)

(State)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

below)

Filed(Month/Day/Year)

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

CAMBRIDGE, MA 02139

(City)

(,)	()	Table 1 - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned										
1.Title of Security	2. Transaction Date (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D)			5. Amount of Securities	6. Ownership Form: Direct						
(Instr. 3)		any	Code	(Instr. 3, 4 and 5)			Beneficially	(D) or	Beneficial			
		(Month/Day/Year)	(Instr. 8)				Owned	Indirect (I)	Ownership			
							Following	(Instr. 4)	(Instr. 4)			
					(A) or		Reported Transaction(s) (Instr. 3 and 4)					
			Code V	Amount	(D)	Price	(IIIsu. 5 and 4)					
Common Stock	09/17/2007		M	1,800	A	\$ 3.92	1,800	D				
Common Stock	09/17/2007		S <u>(1)</u>	1,800	D	\$ 10.27	0	D				

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

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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 proof 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)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Common Stock Option (Righ to buy)	\$ 3.92	09/17/2007		M	1,800	07/15/2002(2)	07/14/2012	Common Stock	1,800

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Lieber Jonathan I C/O ALTUS PHARMACEUTICALS INC. 125 SIDNEY STREET CAMBRIDGE, MA 02139

VP, CFO and Treasurer

Signatures

/s/ Jonathan I. 09/19/2007 Lieber

**Signature of Date
Reporting Person

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) The sale reported in this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by Mr. Lieber on September 12, 2006.
- (2) All of such options have a term of ten years vesting over four years, with 1/16 of the options vesting every three months.

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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