Altus Pharmaceuticals Inc. Form SC 13G October 18, 2006

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934

Altus Pharmaceuticals Inc. (Name of Issuer)

Common Stock (Title of Class of Securities)

02216N105 (CUSIP Number)

October 11, 2006 (Date of event which requires filing of this statement)

Check the appropriate box to designate the rule pursuant to which this Schedule 13G is filed:

- [] Rule 13d-1(b)
- [X] Rule 13d-1(c)
- [] Rule 13d-1(d)

(Page 1 of 13 Pages)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for purposes of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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...

(1) NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NO.
OF ABOVE PERSONS (ENTITIES ONLY)

Adage Capital Partners, L.P.

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP **

(a) []

			(b)	[X]
(3)	SEC USE	ONLY		
(4)	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware			
NUMBER OF	(5)	SOLE VOTING POWER		
SHARES		-0-		
BENEFICIALLY	(6)	SHARED VOTING POWER Warrant to purchase 1,962,494 shares of Common	ı Sto	ck
OWNED BY		112,506 shares of Common Stock		
EACH	(7)	SOLE DISPOSITIVE POWER -0-		
REPORTING PERSON WITH	(8)	SHARED DISPOSITIVE POWER Warrant to purchase 1,962,494 shares of Commor	n Stc	ock
		112,506 shares of Common Stock		
(9)	BY EACH Warrant	TE AMOUNT BENEFICIALLY OWNED REPORTING PERSON to purchase 1,962,494 shares of Common Stock		
	112 , 506	shares of Common Stock		
(10)		OX IF THE AGGREGATE AMOUNT (9) EXCLUDES CERTAIN SHARES **		[]
(11)		OF CLASS REPRESENTED NT IN ROW (9) 8.4%		
(12)	TYPE OF	REPORTING PERSON ** PN		
		** SEE INSTRUCTIONS BEFORE FILLING OUT!		
CUSIP No. 02	216N105	13G Page 3 of	= 13	Pages
(1)	I.R.S.	F REPORTING PERSONS IDENTIFICATION NO. E PERSONS (ENTITIES ONLY) Adage Capital Partners	GP,	L.L.C.
(2)	CHECK TI	HE APPROPRIATE BOX IF A MEMBER OF A GROUP **		
				[] [X]
(3)	SEC USE	ONLY		

(4)	CITIZEN	SHIP OR PLACE OF ORG	GANIZATION	
NUMBER OF	(5)	SOLE VOTING POWER	0	
SHARES			_0_ 	
BENEFICIALL	Y (6)	SHARED VOTING POWER	R e 1,962,494 shares of Common Stock	ζ
OWNED BY		112,506 shares of 0	Common Stock	
· · · · · · · · · · · · · · · · · · ·	(7)	COLE DISPOSITIVE DO	ONED	
EACH	(/)	SOLE DISPOSITIVE PO	-0-	
REPORTING				
PERSON WITH	(8)		POWER e 1,962,494 shares of Common Stock	ς
		112,506 shares of 0	Common Stock	
(9)	BY EACH	TE AMOUNT BENEFICIAI REPORTING PERSON to purchase 1,962,4	LLY OWNED 494 shares of Common Stock	
	112,506	shares of Common St	tock	
(10)		OX IF THE AGGREGATE (9) EXCLUDES CERTAIN		[]
(11)	DERCENT	OF CLASS REPRESENTE		
(±±)		NT IN ROW (9)	8.4%	
(12)	TYPE OF	REPORTING PERSON **	*	
		** SEE INSTRUCTION	NS BEFORE FILLING OUT!	
CUSIP No. 0	2216N105	130	G Page 4 of 13 Pa	ages
(1)	I.R.S.	F REPORTING PERSONS IDENTIFICATION NO. E PERSONS (ENTITIES	ONLY) Adage Capital Advisors, L.L.C	c.
(2)	CHECK T	HE APPROPRIATE BOX 1		[] [X]
(3)	SEC USE	ONLY		
(4)	CITIZEN	SHIP OR PLACE OF ORC	GANIZATION	

NUMBER OF	(5)	SOLE VOTING POWER -0-		
SHARES				
BENEFICIALL	Y (6)	SHARED VOTING POWER Warrant to purchase 1,962,494 share	es of Common Stock	
OWNED BY		112,506 shares of Common Stock		
	(8)			
EACH	(/)	SOLE DISPOSITIVE POWER -0-		
REPORTING				
PERSON WITH	(8)	SHARED DISPOSITIVE POWER Warrant to purchase 1,962,494 share	es of Common Stock	
		112,506 shares of Common Stock		
(9)	BY EACH	TE AMOUNT BENEFICIALLY OWNED REPORTING PERSON to purchase 1,962,494 shares of Cor	nmon Stock	
	112,506	shares of Common Stock		
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ** []			
(11)		OF CLASS REPRESENTED NT IN ROW (9) 8.4%		
(12)	TYPE OF	REPORTING PERSON **		
		** SEE INSTRUCTIONS BEFORE FILLING	G OUT!	
CUSIP No. 0	2216N105	13G	Page 5 of 13 Pages	
(1)	I.R.S.	F REPORTING PERSONS IDENTIFICATION NO. E PERSONS (ENTITIES ONLY) Robe	ert Atchinson	
(2)	CHECK T	 HE APPROPRIATE BOX IF A MEMBER OF A		
(2)	CHECK I	IL ALLNOTRIATE DON IT A PERDER OF A	(a) [] (b) [X]	
(3)	SEC USE			
(4)	CITIZEN	SHIP OR PLACE OF ORGANIZATION United States		
NUMBER OF	(5)	SOLE VOTING POWER -0-		

SHARES			
SHAKES			
BENEFICIALLY	Y (6)	SHARED VOTING POWER Warrant to purchase 1,962,494 shares of Comm	on Stock
		112,506 shares of Common Stock	
OWNED BY			
EACH	(7)	SOLE DISPOSITIVE POWER -0-	
REPORTING			
PERSON WITH	(8)	SHARED DISPOSITIVE POWER Warrant to purchase 1,962,494 shares of Comm	on Stock
		112,506 shares of Common Stock	
(9)	BY EACH	TE AMOUNT BENEFICIALLY OWNED REPORTING PERSON to purchase 1,962,494 shares of Common Stock	
	112,506	shares of Common Stock	
(10)		OX IF THE AGGREGATE AMOUNT (9) EXCLUDES CERTAIN SHARES **	[]
(11)		OF CLASS REPRESENTED NT IN ROW (9) 8.4%	
(12)	TYPE OF	REPORTING PERSON **	
		** SEE INSTRUCTIONS BEFORE FILLING OUT!	
CUSIP No. 02	2216N105	13G Page 6	of 13 Pages
(1)	I.R.S.	F REPORTING PERSONS IDENTIFICATION NO. E PERSONS (ENTITIES ONLY) Phillip Gros	s
		HE APPROPRIATE BOX IF A MEMBER OF A GROUP **	(a) [] (b) [X]
	SEC USE	ONLY	
(4)	CITIZEN	SHIP OR PLACE OF ORGANIZATION United States	
	(5)	SOLE VOTING POWER -0-	
SHARES			
BENEFICIALLY	Y (6)	SHARED VOTING POWER	

Warrant to purchase 1,962,494 shares of Common Stock

017177		112,506 shares of Common Stock	
OWNED BY			
EACH	(7)	SOLE DISPOSITIVE POWER	
REPORTING			
PERSON WITH	(8)	SHARED DISPOSITIVE POWER Warrant to purchase 1,962,494 shares of Common Stock	
		112,506 shares of Common Stock	
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON Warrant to purchase 1,962,494 shares of Common Stock 112,506 shares of Common Stock		
(10)		OX IF THE AGGREGATE AMOUNT (9) EXCLUDES CERTAIN SHARES **]
(11)		OF CLASS REPRESENTED NT IN ROW (9) 8.4%	
(12)	TYPE OF	REPORTING PERSON **	
		** SEE INSTRUCTIONS BEFORE FILLING OUT!	

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Item 1(a). Name of Issuer:

The name of the issuer is Altus Pharmaceuticals Inc. (the "Company").

Item 1(b). Address of Issuer's Principal Executive Offices:

The Company's principal executive offices are located at 125 Sidney Street, Cambridge, MA PostalCode02139

Item 2(a). Name of Person Filing:

This statement is filed by:

- (i) Adage Capital Partners, L.P., a Delaware limited partnership ("ACP"), with respect to 112,506 shares of Common Stock and the Warrant to purchase 1,962,494 shares of Common Stock (the "Warrant") directly owned by it;
- (ii) Adage Capital Partners GP, L.L.C., a limited liability company organized under the laws of the State of Delaware ("ACPGP"), as general partner of ACP, with respect to the shares of Common Stock and the Warrant directly owned by ACP;
- (iii) Adage Capital Advisors, L.L.C., a limited liability company organized under the laws of the State of Delaware ("ACA"),

- as managing member of ACPGP, general partner of ACP, with respect to the shares of Common Stock and the Warrant directly owned by ACP;
- (iv) Phillip Gross ("Mr. Gross"), as managing member of ACA, managing member of ACPGP, general partner of ACP, with respect to the shares of Common Stock and the Warrant directly owned by ACP; and
- (v) Robert Atchinson ("Mr. Atchinson"), as managing member of ACA, managing member of ACPGP, general partner of ACP, with respect to the shares of Common Stock and the Warrant directly owned by ACP.

The foregoing persons are hereinafter collectively referred to as the "Reporting Persons." Any disclosures herein with respect to persons other than the Reporting Persons are made on information and belief after making inquiry to the appropriate party.

Item 2(b). Address of Principal Business Office or, if None, Residence:

The address of the business office of each of the Reporting Persons is 200 Clarendon Street, 52nd Floor, Boston, Massachusetts 02116.

Item 2(c). Citizenship:

ACP is a limited partnership organized under the laws of the State of Delaware. ACPGP and ACA are limited liability companies organized under the laws of the State of Delaware. Messrs. Gross and Atchinson are citizens of the United States.

Item 2(d). Title of Class of Securities:

Common Stock, \$0.01 par value per share (the "Common Stock")

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Item 2(e). CUSIP Number:

02216N105

Item 3. If this statement is filed pursuant to Rules 13d-1(b) or 13d-2(b) or (c), check whether the person filing is a:

- (a) [] Broker or dealer registered under Section 15 of the Act ,
- (b) [] Bank as defined in Section 3(a)(6) of the Act,
- (d) [] Investment Company registered under Section 8 of the Investment Company Act of 1940,
- (e) [] Investment Adviser in accordance with Rule 13d-1 (b) (1) (ii) (E),

- (f) [] Employee Benefit Plan or Endowment Fund in accordance with 13d-1 (b) (1) (ii) (F),
- (g) [] Parent Holding Company or control person in accordance with Rule 13d-1 (b) (1) (ii) (G),
- (h) [] Savings Association as defined in Section 3(b) of the Federal Deposit Insurance Act,
- (i) [] Church Plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940,
- (j) [] Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

If this statement is filed pursuant to 13d-1(c), check this box: [x]

Item 4. Ownership.

- A. Adage Capital Partners, L.P., Adage Capital Partners GP, L.L.C. and Adage Capital Advisors, L.L.C.
 - (a) Amount beneficially owned:
 Warrant to purchase 1,962,494 shares of Common Stock

112,506 shares of Common Stock

(b) Percent of class: 8.4%. According to information provided to the Reporting Persons by the Company, there are 22,674,735 shares of Common Stock issued and outstanding as of September 30, 2006. The percentages used herein and in the rest of Item 4 are calculated based upon such information.

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- (c)(i) Sole power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: Warrant to purchase 1,962,494 shares of Common Stock

112,506 shares of Common Stock

- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: Warrant to purchase 1,962,494 shares of Common Stock

112,506 shares of Common Stock

ACP has the power to dispose of and the power to vote the shares of Common Stock beneficially owned by it (in the case of shares of Common Stock purchased upon exercise of the Warrant or currently owned directly by ACP), which power may be exercised by its general partner, ACPGP. ACA, as managing member of ACPGP, directs ACPGP's operations. Neither ACPGP nor ACA directly owns the Warrant or any shares of Common Stock.

By reason of the provisions of Rule 13d-3 of the Securities Exchange Act of 1934 (the "Act"), ACPGP and ACA may be deemed to own beneficially the shares of Common Stock beneficially owned by ACP.

- B. Robert Atchinson and Phillip Gross
 - (a) Amount beneficially owned: Warrant to purchase 1,962,494 shares of Common Stock

112,506 shares of Common Stock

- (b) Percent of class: 8.4%
- (c)(i) Sole power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: Warrant to purchase 1,962,494 shares of Common Stock

112,506 shares of Common Stock

- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition:

Warrant to purchase 1,962,494 shares of Common Stock

112,506 shares of Common Stock

Messrs. Atchinson and Gross, as managing members of ACA, have shared power to vote the shares of Common Stock beneficially owned by ACP (in the case of shares of Common Stock purchased upon exercise of the Warrant or currently owned directly by ACP). Neither Mr. Atchinson nor Mr. Gross directly owns the Warrant or any shares of Common Stock. By reason of the

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provisions of Rule 13d-3 of the Act, each may be deemed to beneficially own the shares of Common Stock beneficially owned by ACP.

Item 5. Ownership of Five Percent or Less of a Class.

Not applicable.

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

ACPGP, the general partner of ACP, has the power to direct the affairs of ACP, including decisions respecting the disposition of the proceeds from the sale of the Warrant or any shares of Common Stock. Messrs. Atchinson and Gross are the managing members of ACA, the managing member of ACPGP, and in that capacity direct ACPGP's operations.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.

Not applicable.

Item 8. Identification and Classification of Members of the Group.

Not applicable.

Item 9. Notice of Dissolution of Group.

Not applicable.

Item 10. Certification.

Each of the Reporting Persons hereby makes the following certification:

By signing below each Reporting Person certifies that, to the best of its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

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SIGNATURES

After reasonable inquiry and to the best of our knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

DATED: October 18, 2006

ADAGE CAPITAL PARTNERS, L.P.

By: Adage Capital Partners GP, L.L.C.,

its general partner

By: Adage Capital Advisors, L.L.C.,

its managing member

/s/ Robert Atchinson

Name: Robert Atchinson

Title: Managing Member

ADAGE CAPITAL PARTNERS GP, L.L.C.

By: Adage Capital Advisors, L.L.C.,

its managing member

/s/ Robert Atchinson

Name: Robert Atchinson Title: Managing Member

ADAGE CAPITAL ADVISORS, L.L.C.

/s/ Robert Atchinson

Name: Robert Atchinson Title: Managing Member

ROBERT ATCHINSON

/s/ Robert Atchinson

ROBERT ATCHINSON, individually

PHILLIP GROSS

/s/ Phillip Gross

PHILLIP GROSS, individually

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EXHIBIT 1

JOINT ACQUISITION STATEMENT

PURSUANT TO RULE 13d-1(k)

The undersigned acknowledge and agree that the foregoing statement on Schedule 13G, is filed on behalf of each of the undersigned and that all subsequent amendments to this statement on Schedule 13G, shall be filed on behalf of each of the undersigned without the necessity of filing additional joint acquisition statements. The undersigned acknowledge that each shall be responsible for the timely filing of such amendments, and for the completeness and accuracy of the information concerning him or it contained therein, but shall not be responsible for the completeness and accuracy of the information concerning the others, except to the extent that he or it knows or has reason to believe that such information is inaccurate.

DATED: October 18, 2006

ADAGE CAPITAL PARTNERS, L.P.

By: Adage Capital Partners GP, L.L.C.,

its general partner

By: Adage Capital Advisors, L.L.C.,

its managing member

/s/ Robert Atchinson

Name: Robert Atchinson Title: Managing Member

ADAGE CAPITAL PARTNERS GP, L.L.C. By: Adage Capital Advisors, L.L.C.,

its managing member

/s/ Robert Atchinson

Name: Robert Atchinson Title: Managing Member

ADAGE CAPITAL ADVISORS, L.L.C.

/s/ Robert Atchinson

Name: Robert Atchinson Title: Managing Member

ROBERT ATCHINSON

/s/ Robert Atchinson

Name: Robert Atchinson

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PHILLIP GROSS

/s/ Phillip Gross

Name: Phillip Gross