

ADAGE CAPITAL PARTNERS GP LLC  
 Form 3  
 January 31, 2012

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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 * Adage Capital Partners, L.P. (Last) (First) (Middle)  200 CLARENDON STREET, 52ND FLOOR,  (Street)  BOSTON, MA 02116 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 01/31/2012	3. Issuer Name and Ticker or Trading Symbol PUMA BIOTECHNOLOGY, INC. [NONE]	4. Relationship of Reporting Person(s) to Issuer  (Check all applicable)  <input type="checkbox"/> Director <input type="checkbox"/> Officer (give title below)	5. If Amendment, Date Original Filed(Month/Day/Year)  <input checked="" type="checkbox"/> 10% Owner <input type="checkbox"/> Other (specify below)	6. Individual or Joint/Group Filing(Check Applicable Line) <input type="checkbox"/> Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person
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**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock, \$0.0001 par value per share	3,200,000	I	See FN (1)

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

SEC 1473 (7-02)

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**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)  Title	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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Date Exercisable	Expiration Date	Amount or Number of Shares	or Indirect (I) (Instr. 5)
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## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Adage Capital Partners, L.P. 200 CLARENDON STREET, 52ND FLOOR BOSTON, MA 02116	^	^ X	^	^
Adage Capital Advisors, L.L.C. 200 CLARENDON STREET, 52ND FLOOR BOSTON, MA 02116	^	^ X	^	^
Gross Phillip 200 CLARENDON STREET, 52ND FLOOR BOSTON, MA 02116	^	^ X	^	^
Atchinson Robert 200 CLARENDON STREET, 52ND FLOOR BOSTON, MA 02116	^	^ X	^	^
ADAGE CAPITAL PARTNERS GP LLC 200 CLARENDON STREET, 52ND FLOOR BOSTON, MA 02116	^	^	^	The Reporting Persons are no l

## Signatures

/s/ Robert Atchinson	01/31/2012
__Signature of Reporting Person	Date
/s/ Adage Capital Partners L.P.; By its general partner Adage Capital Partners GP, L.L.C.; By its managing member Adage Capital Advisors, L.L.C.; By its managing member Robert Atchinson	01/31/2012
__Signature of Reporting Person	Date
/s/ Adage Capital Partners GP, L.L.C.; By its managing member Adage Capital Advisors, L.L.C.; By its managing member Robert Atchinson	01/31/2012
__Signature of Reporting Person	Date
/s/ Adage Capital Advisors, L.L.C.; By its managing member Robert Atchinson	01/31/2012
__Signature of Reporting Person	Date
/s/ Phillip Gross	01/31/2012
__Signature of Reporting Person	Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, *see* Instruction 5(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 Shares of Common Stock to which this filing relates are held directly by Adage Capital Partners, L.P., a Delaware limited partnership (the "Fund"). Adage Capital Partners GP, L.L.C., a Delaware limited liability company ("ACPGP"), serves as the general partner of the Fund and as such has discretion over the portfolio securities beneficially owned by the Fund. Adage Capital Advisors, L.L.C., a Delaware limited liability company ("ACA"), is the managing member of ACPGP and directs ACPGP's operations. Robert Atchinson and Phillip Gross are the managing members of ACPGP and ACA and general partners of ACP. ACPGP, ACA, Robert Atchinson and Phillip Gross disclaim beneficial ownership of the reported securities except to the extent of their pecuniary interest therein.

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.