

PLURISTEM THERAPEUTICS INC
 Form 4
 January 26, 2009

FORM 4

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

OMB APPROVAL

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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 *
 Aberman Zami

2. Issuer Name and Ticker or Trading Symbol
 PLURISTEM THERAPEUTICS INC [PST]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 46 HATAPUZ ST.
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 01/21/2009

Director 10% Owner
 Officer (give title below) Other (specify below)
 CEO & Co. Chairman

TELMOND, L3 40600
 (City) (State) (Zip)

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

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 Indirect Beneficial Ownership (Instr. 4)		
				(A) or (D)	Code	V	Amount	(D)	Price

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

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security	2. Conversion or Exercise	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any	4. Transaction Code	5. Number of Derivative Securities	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount Underlying Security (Instr. 3 and 4)
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(Instr. 3)	Price of Derivative Security	(Month/Day/Year)	(Instr. 8)	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount Number Shares
Stock Option (right to buy)	\$ 0.62	01/21/2009 ⁽¹⁾	A	110,000					04/30/2009 ⁽²⁾	10/30/2018	Common Stock	110,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Aberman Zami 46 HATAPUZ ST. TELMOND, L3 40600	X		CEO & Co. Chairman	

Signatures

/s/ Zami
Aberman

02/26/2009

__Signature of
Reporting Person

Date

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).

- The 2008 annual grant of options is made in accordance with the resolution of the board of directors of the Company on October 30, 2008, which was conditioned upon the approval of an increase of the pool of shares under the 2005 Stock Option Plan by the Company's shareholders. Such increase was approved on January 21, 2009 at the annual meeting of the Company.
- (1) 2008, which was conditioned upon the approval of an increase of the pool of shares under the 2005 Stock Option Plan by the Company's shareholders. Such increase was approved on January 21, 2009 at the annual meeting of the Company.
- (2) The options vest as follows: 25% on 4/30/2009 and the remaining options vest monthly, in equal installments over 18 months until 10/30/2010.

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.