FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

ND EXCHANGE COMMISSION	OMB APPROV
D.C. 20549	

OMB APPROVAL

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per response

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

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. Name and Address of Reporting Person* Aberman Zami 0001344740			2. Issuer Name and Ticker or Trading Symbol PLURISTEM THERAPEUTICS INC [PSTI]	Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner				
(Last) 46 HATAPUZ	TAPUZ ST.		3. Date of Earliest Transaction (Month/Day/Year) 08/17/2012	X	Officer (give title below) CEO & Cha	Other (specify below)		
(Street) TELMOND (City)			4. If Amendment, Date of Original Filed (Month/Day/Year)	Individual or Joint/Group Filing (Check Applicable Lin X 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												
Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)		Transaction ode (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	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	- and 4)				
Common Stock	08/17/2012	08/20/2012	S ⁽¹⁾		33,853	D	\$5	1,315,298	D			

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)	Derivative Conversion C Security or Exercise (version Date (Month/Day/Year) a continue (Month/Day/Year) a continue (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)				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)	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		(Instr. 4)		

Explanation of Responses

1. The sales reported on this Form 4 were effected pursuant to automatic selling under Rule 10b5-1 trading plan adopted by the reporting person as amended on May 15, 2012.

Remarks:

/s/ Zami Aberman

08/21/2012

** 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.