

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF  
SECURITIESFiled pursuant to Section 16(a) of the Securities Exchange Act of 1934  
or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Esfandiari Javan</u>  (Last) (First) (Middle) 3661 HORSEBLOCK ROAD  (Street) MEDFORD NY 11763  (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 04/23/2007	3. Issuer Name and Ticker or Trading Symbol <u>CHEMBIO DIAGNOSTICS, INC. [ CEMI ]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>VP, Research &amp; Development</u>	5. If Amendment, Date of Original Filed (Month/Day/Year)  6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person

## 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 <sup>(1)</sup>	220,073	D	

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)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
Stock option right to buy	04/23/2007 <sup>(2)</sup>	04/23/2012	Common Stock	100,000	0.599	D
Stock option right to buy	03/05/2008 <sup>(2)</sup>	04/23/2012	Common Stock	100,000	0.599	D
Stock option right to buy	03/05/2009 <sup>(2)</sup>	04/23/2012	Common Stock	100,000	0.599	D
Stock option right to buy	04/17/2006	12/31/2008	Common Stock	5,000	0.75	D
Stock option right to buy	04/17/2006	03/31/2008	Common Stock	30,000	0.75	D
Stock option right to buy	05/28/2007	05/28/2011	Common Stock	25,000	0.75	D
Stock option right to buy	05/28/2006	05/28/2011	Common Stock	25,000	0.75	D
Stock option right to buy	04/17/2006	05/04/2011	Common Stock	5,000	0.75	D
Stock option right to buy	04/17/2006	05/28/2011	Common Stock	25,000	0.75	D
Stock option right to buy	04/17/2006	05/17/2010	Common Stock	25,000	0.75	D
Stock option right to buy	01/01/2007	05/17/2010	Common Stock	25,000	0.75	D
Stock option right to buy	05/05/2004	05/04/2011	Common Stock	30,000	0.75	D
Stock option right to buy	03/24/2006	03/24/2011	Common Stock	18,750	0.62	D
Stock option right to buy	01/01/2007	03/24/2011	Common Stock	18,750	0.62	D
Warrant to purchase stock	05/05/2004	05/04/2009	Common Stock	2,007	0.9	D

## Explanation of Responses:

1. Mr. Esfandiari was granted 200,000 shares of Common Stock on April 23, 2007, 100,000 of these shares vested on April 23, 2007 and 50,000 shares vest on each of March 5, 2008 and March 5, 2009.  
2. Mr. Esfandiari was granted stock options to purchase 300,000 shares of Common Stock on April 23, 2007, 100,000 of these options vested on April 23, 2007 and 100,000 stock options vest on each of March 5, 2008 and March 5, 2009.

Javan Esfandiari05/03/2007

\*\* 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 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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