Baltera Robert Jr. Form 4 December 21, 2012

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

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if no longer subject to Section 16. Form 4 or Form 5

Check this box

obligations may continue. See Instruction

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(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Baltera Robert Jr.

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to

Issuer

Symbol

ORGANOVO HOLDINGS, INC.

(Check all applicable)

[ONVO]

(Last) (First) 3. Date of Earliest Transaction

X_ Director 10% Owner Officer (give title Other (specify

6275 NANCY RIDGE DRIVE. SUITE 110

(Street)

(State)

12/21/2012

(Month/Day/Year)

below)

(Middle)

(Zip)

(Month/Day/Year)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

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

SAN DIEGO, CA 92121

(City)

1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if

3. Transaction(A) or Disposed of Code (D) (Instr. 3, 4 and 5) (Instr. 8)

4. Securities Acquired 5. Amount of Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Ownership Indirect (I) (Instr. 4) (Instr. 4)

(A)

Transaction(s) (Instr. 3 and 4)

Code V Price (D) Amount

Common Stock

(Instr. 3)

12/21/2012

M 25,000

141,506

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form

D

SEC 1474 (9-02)

displays a currently valid OMB control number.

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

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactio Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amoun Underlying Securit (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amo or Num of Sh
Warrant (Right to Buy)	\$ 1	12/21/2012		Н		25,000	02/29/2012	02/28/2017	Common Stock	25,0
Warrant (Right to Buy)	\$ 0.8	12/21/2012		P	25,000		02/29/2012	02/28/2017	Common Stock	25,0
Warrant (Right to Buy)	\$ 0.8	12/21/2012		M		25,000	02/29/2012	02/28/2017	Common Stock	25,0

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Baltera Robert Jr.							
6275 NANCY RIDGE DRIVE, SUITE 110	X						
SAN DIEGO, CA 92121							

Signatures

/s/ Barry Michaels, Attorney-in-fact

**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).

These two transactions reported in Table II above involve the amendment of an outstanding warrant to reduce the exercise price from \$1.00 a share to \$0.80 a share in connection with the Company's tender offer. The amendment is reported above as the cancellation of the prior warrant and the acquisition of a new one.

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.

Reporting Owners 2