

Baltera Robert Jr.
Form 4
December 21, 2012

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287
Expires: January 31, 2015
Estimated average burden hours per response... 0.5

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 *
Baltera Robert Jr.

2. Issuer Name and Ticker or Trading Symbol
ORGANOVO HOLDINGS, INC.
[ONVO]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
6275 NANCY RIDGE DRIVE,
SUITE 110

(Street)

3. Date of Earliest Transaction
(Month/Day/Year)
12/21/2012

Director 10% Owner
 Officer (give title below) Other (specify below)

SAN DIEGO, CA 92121

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

(City) (State) (Zip)

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 (Instr. 4)
			Code	V	Amount	(D)	Price
Common Stock	12/21/2012		M		25,000	A	\$ 0.8
					141,506	D	

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)

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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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Security (Instr. 3 and 4)	Amount or Number of Shares
				Code V (A) (D)		Date Exercisable Expiration Date	Title	
Warrant (Right to Buy)	\$ 1	12/21/2012		H	25,000	02/29/2012 02/28/2017	Common Stock	25,000
Warrant (Right to Buy)	\$ 0.8	12/21/2012		P	25,000	02/29/2012 02/28/2017	Common Stock	25,000
Warrant (Right to Buy)	\$ 0.8	12/21/2012		M	25,000	02/29/2012 02/28/2017	Common Stock	25,000

Reporting Owners

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

Signatures

/s/ Barry Michaels, 12/21/2012
 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) \$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.