Instruction 1(b).

FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

STATEMENT	ΓOE	СНА	NGE
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## S IN BENEFICIAL OWNERSHIP

**OMB APPROVAL** OMB Number: Estimated average burden hours per response: 0.5

Filed 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>Baltera Robert Jr.</u>					2. Issuer Name and Ticker or Trading Symbol ORGANOVO HOLDINGS, INC. [ ONVO ]						Relationship neck all appli X Directo	cable)	g Pers	son(s) to Iss 10% Ow			
(Last) 6275 NA	`	irst) GE DRIVE, SUI	(Middle) TE 110		3. Date of Earliest Transaction (Month/Day/Year) 08/21/2013								Officer (give title below)			Other (specify below)	
(Street) SAN DII (City)			92121 (Zip)		4. If Amendment, Date of Original Filed (Month/Day/Year)						Lin	e) X Form f Form f	ridual or Joint/Group Filing (Check Applicable  Form filed by One Reporting Person  Form filed by More than One Reporting  Person				
		Tab	le I - Non-l	Derivat	ive S	ecuritie	s Ac	quired, D	isposed	of, or Be	neficia	ly Owned	l				
Date			2. Transact Date Month/Day	Execution Date,		3. Transaction Code (Instr. 8)  4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4) 5)			red (A) or str. 3, 4 and	Benefici	es Form ally (D) ( Following (I) (I		wnership m: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
						Code	Amour	t (A) (D)	Price	Transaci (Instr. 3	ion(s)			(1113411 4)			
	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)	erivative Conversion Date Execution Date, Transcription or Exercise (Month/Day/Year) if any Co		ite, Trai			Expiration Date (Month/Day/Year)		of Securi Underlyi Derivativ	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)			
				Cod	e V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares						
Stock Option (Right to	\$5.86	08/21/2013		A		30,500		(1)	08/21/202	Common Stock	30,500	\$0	30,500	0	D		

## **Explanation of Responses:**

1. The option shares vest and become exercisable in full on the earlier of (i) August 21, 2014 or (ii) immediately prior to commencement of the Issuer's next annual stockholder meeting.

/s/ Barry Michaels, Attorney-

08/23/2013

in-fact

\*\* 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.