

ORGANOVO HOLDINGS, INC.

Form 5

May 15, 2014

FORM 5**UNITED STATES SECURITIES AND EXCHANGE COMMISSION**
Washington, D.C. 20549Check this box if
no longer subject
to Section 16.Form 4 or Form
5 obligations
may continue.See Instruction
1(b).Form 3 Holdings
Reported

Form 4

Transactions

Reported

**ANNUAL 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

OMB APPROVAL

OMB
Number: 3235-0362Expires: January 31,
2005Estimated average
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1. Name and Address of Reporting Person *

Murphy Keith

2. Issuer Name and Ticker or Trading
SymbolORGANOVO HOLDINGS, INC.
[ONVO]5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Statement of Issuer's Fiscal Year Ended
(Month/Day/Year)
03/31/2014☒ Director ☐ 10% Owner
☒ Officer (give title below) ☐ Other (specify below)

Chairman, CEO and President

6275 NANCY RIDGE DRIVE,
SUITE 110

(Street)

4. If Amendment, Date Original
Filed(Month/Day/Year)

6. Individual or Joint/Group Reporting

(check applicable line)

SAN DIEGO, CA 92121

☒ 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 at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
Common Stock	12/13/2013	Â	G ⁽¹⁾	8,000 D \$ 0	5,989,336 (2)	D	Â

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 displays a currently valid OMB control number.**SEC 2270
(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 Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Price of Derivative Security (Instr. 5)
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares
					(A) (D)				

Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
Murphy Keith 6275 NANCY RIDGE DRIVE, SUITE 110 SAN DIEGO, CA 92121	☒ X ☒ 10% Owner ☒ Chairman, CEO and President ☒ Other

Signatures

/s/ Keith Murphy 05/15/2014

 **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).

(1) This transaction involved a charitable contribution by the Reporting Person.

This number does not include 898,756 shares of common stock underlying outstanding options and 30,000 shares of common stock
(2) underlying warrants held by Mr. Murphy; post-transaction Mr. Murphy continues to beneficially own or have a right to acquire 6,918,092 shares of common stock.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.