

ORGANOVO HOLDINGS, INC.
 Form 4
 August 26, 2014

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 *
MICHAELS BARRY D

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)
08/25/2014

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

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. 3, 4 and 5)	4. Securities Acquired (A) or Disposed of (D) (Instr. 8)	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)
Common Stock	08/25/2014		F	(A) 102,760 (1)	D \$ 7.94 469,672 (2)	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 Securities (Instr. 3 and 4)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount of Number of Shares
Stock Option (Right to Buy) ⁽³⁾	\$ 7.94	08/25/2014		A	102,760	08/25/2014	08/25/2024	Common Stock	102,760

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MICHAELS BARRY D 6275 NANCY RIDGE DRIVE, SUITE 110 SAN DIEGO, CA 92121			Chief Financial Officer	

Signatures

/s/ Barry D. Michaels
08/26/2014
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).
- The shares were withheld at the election of the Reporting Person to satisfy tax withholding obligations in connection with the partial vesting of restricted stock units granted in August 2012 in accordance with the terms of the Reporting Person's Equity Incentive Award Agreement dated August 2012.
- (2) This number does not include 677,475 shares of common stock underlying outstanding options held by Mr. Michaels; post-transaction Mr. Michaels continues to beneficially own or have a right to acquire 1,147,147 shares of common stock.
 - (3) The option was automatically issued pursuant to the terms of the Reporting Person's Equity Incentive Award Agreement dated August 2012.

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.