SEC Form 3

FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL
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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 Add <u>Murphy Ke</u>		Requiring Stater	2. Date of Event Requiring Statement (Month/Day/Year) 03/13/2012 3. Issuer Name and Ticker or Trading Symbol ORGANOVO HOLDINGS, INC. [ONVO]							
(Last) 5871 OBERL SUITE 150	(First) IN DRIVE	(Middle)				ionship of Reporting Perso all applicable) Director Officer (give title below)	on(s) to Issue 10% Owne Other (spe- below)	r cify 6. Ir	nth/Day/Year)	ate of Original Filed /Group Filing (Check
(Street)						Chairman, CEO and	President	2	-	y One Reporting Person
SAN DIEGO	CA	92121							Form filed b Reporting P	y More than One erson
(City)	(State)	(Zip)	_							
Table I - Non-Derivative Securities Beneficially Owned										
1. Title of Security (Instr. 4)					2. Amount of Securities Beneficially Owned (Instr. 4)				I. Nature of Indirect Beneficial Ownership Instr. 5)	
Common Stock						6,281,092 ⁽¹⁾	D			
Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)										
1. Title of Derivative Security (Instr. 4)			2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securiti Underlying Derivative Security			4. Conversion or Exercise Price of	5. Ownership Form: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
			Date Exercisable	Expiration Date	Title		Amount or Number of Shares	Derivative Security	or Indirect (I) (Instr. 5)	
Warrants (Right to Buy)		02/08/2012	02/08/2017		Common Stock	30,000	1	D		

Explanation of Responses:

1. Includes 255,255 shares held by Equity Trust Co., Custodian FBO Keith Murphy IRA.

<u>/s/ Keith Murphy</u>

03/13/2012

** 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 5 (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.