ORGANOVO HOLDINGS, INC. Form SC TO-I/A December 17, 2012

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

AMENDMENT NO. 3 TO

SCHEDULE TO

TENDER OFFER STATEMENT UNDER SECTION 14(d)(1) OR 13(e)(1)

OF THE SECURITIES EXCHANGE ACT OF 1934

ORGANOVO HOLDINGS, INC.

(Name of Subject Company (Issuer) and Filing Person (Offeror))

WARRANTS TO PURCHASE COMMON STOCK

(Title of Class of Securities)

68620A 104

(CUSIP Number of Common Stock Underlying Warrants)

Keith Murphy

Chief Executive Officer and President

6275 Nancy Ridge Drive

San Diego, California 92121

Phone: (858) 550-9994

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications on Behalf of Filing Person)

WITH COPY TO:

Jeff Thacker, Esq.

DLA Piper LLP (US)

4365 Executive Drive, Suite 1100

San Diego, California 92121

Tel: (858) 677-1400

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CALCULATION OF FILING FEE:

Transaction valuation(1)

Amount of filing fee(1)(2) \$4.652

\$34,100,681

- (1) Estimated for purposes of calculating the amount of the filing fee only. An offer to amend and exercise warrants to purchase an aggregate of 14,510,928 shares of common stock (the **Offer to Amend and Exercise**), including: (i) outstanding warrants to purchase 1,500,000 shares of the Company's common stock issued to investors participating in the Company's bridge financing completed in November 2011; (ii) outstanding warrants to purchase 11,653,678 shares of the Company's common stock issued to investors participating in the Company's private placement financings closed on February 8, 2012, February 29, 2012 and March 16, 2012; and (iii) outstanding warrants to purchase 1,357,250 shares of the Company's common stock issued to investors in the Company's private placement transactions completed in 2011. The transaction value is calculated pursuant to Rule 0-11 using \$2.35 per share of common stock, which represents the average of the high and low sales price of the common stock on November 13, 2012.
- (2) Calculated by multiplying the transaction value by 0.0001364.
- x Check the box if any part of the fee is offset as provided by Rule 0-11(a)(2) and identify the filing with which the offsetting fee was previously paid. Identify the previous filing by registration statement number or the Form or Schedule and the date of its filing.

Amount Previously Paid: \$4,652 Form or Registration Number: 005-86817 Filing Party: Organovo Holdings, Inc. Date Filed: November 16, 2012

" Check the box if the filing relates solely to preliminary communications made before the commencement of a tender offer. Check the appropriate boxes below to designate any transactions to which the statement relates:

	third party tender offer subject to Rule 14d-1.
X	issuer tender offer subject to Rule 13e-4.
	going private transaction subject to Rule 13e-3.
" amendment to Schedule 13D under Rule 13d-2. Check the following box if the filing is a final amendment reporting the results of a tender offer: "	
The alphabetical subsections used in the Item responses below correspond to the alphabetical subsections of the applicable items of Regulation M-A promulgated under the federal securities laws.	
If applicable, check the appropriate box(es) below to designate the appropriate note provision(s):	
	Rule 13e-4(i) (Cross-Border Issuer Tender Offer)
	Rule 14d-1(d) (Cross-Border Third-Party Tender Offer)

Explanatory Note

This Amendment No. 3 (this Amendment No. 3) amends and supplements the Tender Offer Statement on Schedule TO originally filed with the Securities and Exchange Commission (the SEC) on November 16, 2012 (the Original Schedule TO), as previously amended by Amendment No. 1 filed with the SEC on November 23, 2012 (Amendment No. 1) and Amendment No. 2 filed with the SEC on December 5, 2012 (Amendment No. 2 and together with the Original Schedule TO and Amendment No. 1, the Schedule TO) relating to an offer by Organovo Holdings, Inc. (the Company) to amend warrants to purchase an aggregate of 14,510,928 shares of common stock, including: (i) outstanding warrants to purchase 1,500,000 shares of the Company s common stock issued to investors participating in the Company s bridge financing completed in November 2011; (ii) outstanding warrants to purchase 11,653,678 shares of the Company s common stock issued to investors participating in the Company s private placement financings closed on February 8, 2012, February 29, 2012 and March 16, 2012; and (iii) outstanding warrants to purchase 1,357,250 shares of the Company s common stock issued to investors in the Company s private placement transactions completed in 2011, upon the terms and subject to the conditions set forth in the Offer To Amend and Exercise Warrants to Purchase Common Stock, dated November 16 2012, and as amended and supplemented by Amendment No. 1, Amendment No. 2 and this Amendment No. 3, and filed as Exhibit (a)(1)(B) to the Schedule TO (the Offer to Amend and Exercise).

Pursuant to Rule 12b-15 under the Securities and Exchange Act of 1934, as amended, this Amendment No. 3 amends and restates only the items of the Schedule TO that are being amended and restated hereby, and unaffected items and exhibits in the Schedule TO are not included herein. This Amendment No. 3 should be read in conjunction with the Schedule TO and the related Offering Materials, as the same may be further amended or supplemented hereafter and filed with the SEC. All terms used herein have the same meaning as in the Offer to Amend and Exercise.

Item 1. SUMMARY TERM SHEET

Item 4. TERMS OF TRANSACTION

This Amendment No. 3 amends and supplements Items 1 and 4 of this Schedule TO as follows:

Extension of the Offer to Amend and Exercise

We are extending the Expiration Date of the Offer to Amend and Exercise until 5:00 p.m. Pacific Time on December 21, 2012, unless further extended. The Offer had been previously scheduled to expire at 5:00 p.m. Pacific Time on December 17, 2012. Throughout the Schedule TO, the Offer to Amend and Exercise and the other Offering Materials and Acceptance and Exercise Documents, all references to the Expiration Date of the Offer to Amend and Exercise are hereby amended to extend the Expiration Date of the Offer to Amend and Exercise until 5:00 p.m. Pacific Time on December 21, 2012.

On or about December 17, 2012, we intend to advise the holders of Original Warrants of the extension of the Offer to Amend and Exercise by mail and email communications. Copies of the letter and email to be sent to holders of Original Warrants are attached hereto as Exhibits (a)(1)(K) and (a)(1)(L), and are hereby incorporated herein by reference.

Shortened Lock-Up Period

We are shortening the Lock-Up Period so that it will now expire at 5:00 p.m. Pacific Time on January 3, 2013. The Lock-Up Period had previously been scheduled to expire on the date that is twenty (20) days after the Expiration Date. Throughout the Schedule TO, the Offer to Amend and Exercise and the other Offering Materials and Acceptance and Exercise Documents, all references to the Lock-Up Period expiring on the date that is twenty

(20) days after the Expiration Date are hereby deleted and replaced with references to the Lock-Up Period expiring at 5:00 p.m. Pacific Time on January 3, 2013.

Clarification of Withdrawal Rights

If you change your mind and do not want to participate in the Offer to Amend and Exercise, you may submit a Notice of Withdrawal to the Company at any time prior to the Expiration Date, which is now December 21, 2012. The Notice of Withdrawal must be properly completed and must be returned to the Company on or prior to the Expiration Date. In addition, you may change your mind and submit a Notice of Withdrawal to us after January 15, 2013, if your Original Warrants and other Acceptance and Exercise Documents have not been accepted by us prior to January 15, 2013. The Schedule TO, the Offer to Amend and Exercise and the other Offering Materials and Acceptance and Exercise Documents erroneously referenced such dates as January 16, 2013. Accordingly, throughout the Schedule TO, the Offer to Amend and Exercise and the other Offering Materials and Acceptance and Exercise Documents, all references to January 16, 2013 are hereby deleted and replaced with references to January 15, 2013.

Item 12. EXHIBITS.

Item 12 Exhibits to the Schedule TO is amended and restated as follows:

The following are attached as exhibits to this Schedule TO:

- (a) (1)(A) Letter to Holders of Original Warrants, as amended on December 4, 2012*
 - (1)(B) Offer to Amend and Exercise, as amended on December 4, 2012*
 - (1)(C) Form of Election to Participate and Exercise Warrant, as amended on December 4, 2012*
 - (1)(D) Form of Notice of Withdrawal, as amended on December 4, 2012*
 - (1)(E) Form of Bridge Amended Warrant, as amended on December 4, 2012*
 - (1)(F) Form of Investor Amended Warrant, as amended on December 4, 2012*
 - (1)(G) Form of Private Amended Warrant, as amended on December 4, 2012*
 - (1)(H) Supplemental Company Information, dated December 4, 2012*
 - (1)(I) Supplemental Letter to Holders of Original Warrants, dated December 4, 2012*
 - (1)(K) Letter to Holders of Original Warrants, dated December 17, 2012.
 - (1)(L) E-mail correspondence to Holders of Original Warrants, dated December 17, 2012.
 - (5)(A) Current Report on Form 8-K/A containing audited financial statements for the fiscal years ended December 31, 2011 and 2010 (as filed with the SEC on May 11, 2012 and incorporated herein by reference)*
 - (5)(B) Report on Form 10-Q for the quarter ended March 31, 2012 (as filed with the SEC on May 15, 2012 and incorporated herein by reference)*
 - (5)(C) Report on Form 10-Q for the quarter ended June 30, 2012 (as filed with the SEC on August 14, 2012 and incorporated herein by reference)*
 - (5)(D) Report on Form 10-Q for the quarter ended September 30, 2012 (as filed with the SEC on November 13, 2012 and incorporated herein by reference)*
 - (5)(E) Form of Bridge Warrant of Organovo Holdings, Inc. (incorporated by reference to Exhibit 4.1 to the Company Current Report on Form 8-K, as filed with the SEC on February 13, 2012)*

- (5)(F) Form of Investor Warrant of Organovo Holdings, Inc. (incorporated by reference to Exhibit 4.4 to the Company Current Report on Form 8-K, as filed with the SEC on February 13, 2012)*
- (5)(G) Form of Private Warrant of Organovo Holdings, Inc. (incorporated by reference to Exhibit 4.3 to the Company Current Report on Form 8-K, as filed with the SEC on February 14, 2012)*
- (5)(H) Registration Statement on Form S-1 (File No. 333-182101), which registers the resale of the shares of common stock underlying the Bridge and Investor Warrants (as declared effective and filed with the SEC on July 6, 2012 and incorporated herein by reference)*
- (5)(I) Current Report on Form 8-K containing an investor presentation regarding the Company (as filed with the SEC on November 23, 2012 and incorporated herein by reference)*

* Previously filed.

SIGNATURE

After due inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

ORGANOVO HOLDINGS, INC.

By: /s/ Keith Murphy Name: Keith Murphy

Title: Chief Executive Officer and President

(Principal Executive Officer)

Date: December 17, 2012