ORGANOVO HOLDINGS, INC.

Form 3

August 23, 2016

FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB

3235-0104

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

Number: Expires:

January 31, 2005

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OMB APPROVAL

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

SECURITIES

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 *

 KUSSMAN CRAIG

(Last)

(First)

(Middle)

Statement

(Month/Day/Year)

08/22/2016

2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol

ORGANOVO HOLDINGS, INC. [ONVO]

6275 NANCY RIDGE DRIVE,

SUITE 110

(Street)

4. Relationship of Reporting Person(s) to Issuer

5. If Amendment, Date Original

Filed(Month/Day/Year)

(Check all applicable)

Director _X__ Officer

10% Owner Other

6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting

Person

(give title below) (specify below) Chief Financial Officer

Form filed by More than One

Reporting Person

SAN DIEGO, CAÂ 92121

(City) (State) (Zip)

1. Title of Security (Instr. 4)

2. Amount of Securities Beneficially Owned

(Instr. 4)

Ownership

Table I - Non-Derivative Securities Beneficially Owned

Form: Direct (D) or Indirect (I) (Instr. 5)

4. Nature of Indirect Beneficial

Ownership (Instr. 5)

SEC 1473 (7-02)

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.

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 Securities Underlying Derivative Security

4. Conversion or Exercise Price of

Ownership Form of Derivative

6. Nature of Indirect Beneficial Ownership (Instr. 5)

(Instr. 4)

Date **Expiration Title** Exercisable Date

Amount or Number of Shares

Security: Derivative Security Direct (D)

or Indirect (I)

(Instr. 5)

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

KUSSMAN CRAIG

6275 NANCY RIDGE DRIVE, SUITE 110 Chief Financial Officer SAN DIEGO, CAÂ 92121

Signatures

/s/ Craig Kussman 08/23/2016

**Signature of Date

Reporting Person

Explanation of Responses:

No securities are beneficially owned

- * 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. 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.

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