Filed by Organovo Holdings, Inc. Pursuant to Rule 425 under the Securities Act of 1933, as amended, and deemed filed pursuant to Rule 14a-6(b) under the Securities Exchange Act of 1934, as amended

Subject Company: Tarveda Therapeutics, Inc. File No. of Related Registration Statement: 333-235683

Supplemental Disclosures

As previously disclosed, on December 13, 2019, Organovo Holdings, Inc. (the "Company" or "Organovo") entered into an Agreement and Plan of Merger and Reorganization, as amended (the "Merger Agreement"), with Tarveda Therapeutics, Inc. ("Tarveda"). Upon the terms and subject to the satisfaction or waiver of the conditions set forth in the Merger Agreement, including approval of the transaction by Organovo's stockholders and Tarveda's stockholders, Opal Merger Sub, a wholly-owned subsidiary of Organovo ("Merger Sub"), will merge with and into Tarveda, with Tarveda becoming a wholly-owned subsidiary of Organovo and the surviving corporation of the merger (the "Merger"). On February 24, 2020, Organovo filed a definitive proxy statement/prospectus/information statement (the "Definitive Proxy Statement"), as such may be supplemented from time to time, with the Securities and Exchange Commission (the "SEC") with respect to the special meeting of Organovo's stockholders scheduled to be held on March 26, 2020 (the "Organovo Special Meeting").

Supplemental Disclosures to Definitive Proxy Statement

The additional disclosures in this Current Report on Form 8-K supplement the disclosures contained in the Definitive Proxy Statement and should be read in conjunction with the Definitive Proxy Statement, which in turn should be read in its entirety. To the extent that information in this Current Report on Form 8-K differs from or updates information contained in the Definitive Proxy Statement, the information in this Current Report on Form 8-K shall supersede or supplement the information in the Definitive Proxy Statement. All page references in the information below are to pages in the Definitive Proxy Statement, and all defined and capitalized terms used below shall have the meanings ascribed to such terms in the Definitive Proxy Statement. Paragraph references used herein refer to the Definitive Proxy Statement before any additions or deletions resulting from the information set forth below. Without admitting in any way that the disclosures below are material or otherwise required by law, Organovo and Tarveda make the following supplemental disclosures:

The disclosure under the heading "The Merger – Background of the Merger – Potential Strategic Alternatives" is hereby supplemented by inserting the following disclosure as a new paragraph immediately following the end of the first paragraph on page 98 of the Definitive Proxy Statement:

Organovo's form confidentiality and standstill agreement contained a one-year standstill period and a provision, known as a "don't ask, don't waive" provision, prohibiting potential bidders from requesting, privately or publicly, that Organovo agree to waive or amend the standstill restrictions so as to allow the potential bidder to make another bid during the standstill period. If requested by potential bidders during negotiations, however, Organovo did agree to amend the terms of its form confidentiality and standstill agreement to either delete the "don't ask, don't waive" provision or to add language that caused the standstill period to automatically terminate upon the occurrence of certain events, including but not limited to, the Company's announcement that it had entered into the Merger Agreement. Four of the 51 companies who signed confidentiality and standstill agreements with Organovo requested an amendment to the "don't ask, don't waive" provision or the term of the standstill period, and Organovo agreed to amend its form of confidentiality and standstill agreement for each of these four parties. After signing the Merger Agreement, Organovo has not, and does not plan to, interpret the confidentiality and standstill agreements it signed to preclude any bidder from requesting to be relieved of its standstill obligations for the sole purpose of making a Superior Offer as the term is described in the Merger Agreement.

The disclosure under the bulleted sub-heading "The Merger – Background of the Merger – History of Strategic Alternatives Discussions and Significant Corporate Events – Tarveda" on page 109 is hereby supplemented by adding the following disclosure immediately prior to the first full sentence on page 110:

To support its expectations regarding Tarveda's opportunity to progress to clinical data read-outs with the combined organization's anticipated cash at closing, the Organovo special committee reviewed the projections Tarveda provided regarding the total operating expenses it expected incur to support its product development plans for calendar year 2020, which forecasted total quarterly operating expenses of approximately \$5.0-6.0 million a quarter in 2020. The Organovo special committee also considered Tarveda's estimate that the combined cash of the company would be sufficient to fund its development plans and operations into the second half of 2021.

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SEC Investigation

On March 4, 2020, Organovo received a letter from the SEC indicating that it had initiated an investigation of the Company and attaching a subpoena seeking information and documents for the period from January 1, 2017 to the present, relating to, among other things, disclosures to investors regarding the efficacy and/or tissue duration of the Company's liver therapeutic program and products, the Company's communications with the FDA, and purchases or sales of Company stock by the Company's officers and directors. The Company intends to cooperate with the SEC's investigation.

Forward-Looking Statements

This communication contains forward-looking statements (including within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended, and Section 27A of the Securities Act of 1933, as amended) concerning Organovo and Tarveda, the proposed merger, and Tarveda's business and product development plans. These statements discuss goals, intentions and expectations as to future plans, results of operations and financial condition, and are based on current beliefs of the management of Organovo and Tarveda. Statements that are not historical facts are forwardlooking statements. Forward-looking statements are based on current beliefs and assumptions that are subject to risks and uncertainties and are not guarantees of future performance. Actual results could differ materially from those contained in any forward-looking statement as a result of various factors, including, without limitation: the risk that the conditions to the closing of the proposed merger are not satisfied, including the failure to obtain stockholder approval for the merger and the related proposals in a timely manner or at all; uncertainties as to the timing of the consummation of the proposed merger and the ability of each of Organovo and Tarveda to consummate the transaction; risks related to Organovo's continued listing on The Nasdaq Capital Market until closing of the proposed merger and the ability of the combined company to maintain its listing if the transaction is consummated; risks related to the ability of Organovo and Tarveda to correctly estimate their respective operating expenses, the expenses associated with the proposed merger and their net cash as of the closing of the transaction; the risk that as a result of adjustments to the exchange ratio, Organovo stockholders and Tarveda stockholders could own more or less of the combined company than is currently anticipated; unexpected costs, charges or expenses resulting from the proposed merger; potential adverse reactions or changes to business relationships resulting from the announcement or completion of the proposed merger; Tarveda has incurred significant net losses since inception and anticipates that it will continue to incur substantial net losses for the foreseeable future and may never achieve or maintain profitability; even after completion of the merger, Tarveda will require substantial additional funding to finance its operations and product development plans; Tarveda is early in its development efforts and its lead drug candidates, PEN-866 and PEN-221 are still in early stage clinical development and there is no assurance that Tarveda will successfully complete late stage clinical trials or ever obtain regulatory approval for any drug candidate; Tarveda's approach to the discovery and development of *Pentarin* miniature drug conjugates, including using its HSP90 binding miniature drug conjugate platform, is based on novel technologies that are unproven and may not result in marketable products; and other factors discussed in the risk factors included in the Definitive Proxy Statement, and its most recent Current Reports on Form 8-K filed with the SEC. In addition, the forward-looking statements included in this communication represent Organovo's and Tarveda's views as of the date hereof. Organovo and Tarveda anticipate that subsequent events and developments will cause their respective views to change. However, while Organovo and Tarveda may elect to update these forward-looking statements at some point in the future, Organovo and Tarveda specifically disclaim any obligation to do so. These forward-looking statements should not be relied upon as representing Organovo's or Tarveda's views as of any date subsequent to the date hereof.

Important Information and Where to Find It

This communication may be deemed to be solicitation material in respect to the proposed transaction between Organovo and Tarveda. On February 24, 2020, Organovo initially filed the Definitive Proxy Statement with the SEC. Organovo mailed the Definitive Proxy Statement to its stockholders on or about February 26, 2020. Each party may file other documents with the SEC in connection with the proposed merger. BEFORE MAKING ANY VOTING OR INVESTMENT DECISION, INVESTORS AND STOCKHOLDERS ARE URGED TO READ THESE MATERIALS CAREFULLY AND IN THEIR ENTIRETY BECAUSE THEY CONTAIN IMPORTANT INFORMATION ABOUT ORGANOVO, TARVEDA THE PROPOSED MERGER AND RELATED MATTERS. Investors and stockholders may obtain, free of charge, copies of the Definitive Proxy Statement and any other documents filed by Organovo with the SEC in connection with the proposed transactions at the SEC's website (http://www.sec.gov) and on the investor relations section of Organovo's website at ir.organovo.com. Investors and stockholders are urged to read the Definitive Proxy Statement and the other relevant materials before making any voting or investment decision with respect to the proposed merger and the related proposals.

Non-Solicitation

This communication does not constitute an offer to sell or solicitation of an offer to buy any securities, nor will there be any sale of securities in any jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such jurisdiction.

Participants in the Solicitation

Organovo and its directors and executive officers and Tarveda and its directors and executive officers may be deemed to be participants in the solicitation of proxies from the stockholders of Organovo in connection with the proposed Merger. Information regarding the special interests of the Organovo and Tarveda directors and executive officers in the proposed Merger is included in the Definitive Proxy Statement. Additional information regarding the directors and executive officers of Organovo is included in Organovo's definitive proxy statement on Schedule 14A relating to the 2019 Annual Meeting of Stockholders, filed with the SEC on July 26, 2019. These documents are available free of charge from the sources indicated above.