

THIRD WAVE TECHNOLOGIES INC /WI  
Form SC TO-T/A  
June 25, 2008

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

**SCHEDULE TO**

**Amendment No. 1**

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

**OF THE SECURITIES EXCHANGE ACT OF 1934**

**THIRD WAVE TECHNOLOGIES, INC.**

(Name of Subject Company (Issuer))

**HOLOGIC, INC.**

**THUNDER TECH CORP.**

(Names of Filing Persons (Offerors))

**Common Stock, par value \$0.001 Per Share**  
(Titles of classes of securities)

**88428W108**  
(CUSIP number of class of securities)

**John W. Cumming**

**Chairman and Chief Executive Officer**

**Hologic, Inc.**

**35 Crosby Drive**

**Bedford, MA 01730-1401**

**Tel: 781-999-7300**

(Name, address and telephone number of person authorized to receive notices and communication on behalf of the filing person)

*Copies to:*

**Philip J. Flink, Esquire**

**Edwin C. Pease, Esquire**

**Brown Rudnick LLP**

**One Financial Center**

**Boston, MA 02111**

**CALCULATION OF FILING FEE**

**Transaction Valuation\***  
**\$622,700,753**

**Amount of Filing Fee\*\***  
**\$24,472**

\* Estimated for purposes of calculating the filing fee only. This amount assumes the purchase of up to 55,351,178 shares of common stock, par value \$0.001 per share, of Third Wave, at a purchase price of \$11.25 per share. Such number of shares consists of, as of June 4, 2008, (i) 44,328,663 shares of common stock issued and outstanding and (ii) 11,022,515 shares of common stock that may be issued pursuant to all outstanding options, restricted stock units and warrants to acquire Third Wave shares and the conversion of the outstanding convertible notes of Third Wave into Third Wave shares.

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\*\* The amount of the filing fee, calculated in accordance with Rule 0-11 of the Securities Exchange Act of 1934, as amended (the Exchange Act ), is calculated by multiplying the Transaction Valuation by 0.00003930.

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 \$24,472  
Form or Registration No. Schedule TO

Filing Party: Hologic, Inc. and Thunder Tech Corp.  
Date Filed: June 18, 2008

.. 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:

- x third-party tender offer subject to Rule 14d-1.
- .. 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 the tender offer: ..

AMENDMENT NO. 1 TO SCHEDULE TO

This Amendment No. 1 (this Amendment) amends and supplements the Tender Offer Statement on Schedule TO (the Statement), originally filed with the Securities and Exchange Commission (the SEC) on June 18, 2008, by (i) Hologic, Inc., a Delaware corporation (Hologic), and (ii) Thunder Tech Corp., a Delaware corporation (the Purchaser) and a direct wholly-owned subsidiary of Hologic, relating to the offer by the Purchaser to purchase all of the issued and outstanding shares of common stock, par value \$0.001 per share (the Shares), of Third Wave Technologies, Inc., a Delaware corporation (Third Wave), at a purchase price of \$11.25 per Share, upon the terms and subject to the conditions set forth in the Offer to Purchase dated June 18, 2008 (the Offer to Purchase), and in the related Letter of Transmittal, copies of which were previously filed as Exhibits (a)(1)(A) and (a)(1)(B) to the Statement, respectively. Capitalized terms used and not otherwise defined in this Amendment shall have the meanings assigned to such terms in the Offer to Purchase or in the Statement.

Amendment to Offer to Purchase

Item 11 of the Statement, to the extent such Item incorporates by reference the information contained in the Offer to Purchase, is hereby amended and supplemented as follows:

Section 15 ( Certain Legal Matters ) of the Offer to Purchase is hereby amended and supplemented by adding the following paragraph at the end of the subsection captioned Antitrust Matters in Section 15 of the Offer to Purchase:

On June 24, 2008, the Federal Trade Commission granted early termination of the waiting period applicable to the Offer under the HSR Act. Accordingly, the condition to the Offer relating to the expiration or termination of the applicable waiting period under the HSR Act and other state and foreign regulatory laws relating to the restraint of trade or lessening of competition has been satisfied.

On June 25, 2008, Hologic issued a press release announcing that the Federal Trade Commission granted early termination of the waiting period applicable to the Offer under the HSR Act in connection with its tender offer for all the outstanding shares of capital stock of Third Wave, a copy of which is filed as Exhibit (a)(1)(N) hereto and is incorporated herein by reference.

Miscellaneous

Item 12 of the Statement is hereby amended and supplemented to include the following:

- (a)(1)(N) Press Release issued by Hologic on June 25, 2008.

**SIGNATURES**

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.

**THUNDER TECH CORP.**

By: /s/ Robert A. Cascella

Name: Robert A Cascella

Title: President

**HOLOGIC, INC.**

By: /s/ Robert A. Cascella

Name: Robert A. Cascella

Title: President and Chief Operating Officer

Date: June 25, 2008

**INDEX TO EXHIBITS**

<b>Exhibit No.</b>	<b>Description</b>
(a)(1)(A)	Offer to Purchase, dated as of June 17, 2008.*
(a)(1)(B)	Letter of Transmittal.*
(a)(1)(C)	Notice of Guaranteed Delivery.*
(a)(1)(D)	Letter to Brokers, Dealers, Banks, Trust Companies and other Nominees.*
(a)(1)(E)	Letter to Clients for use by Brokers, Dealers, Banks, Trust Companies and other Nominees.*
(a)(1)(F)	Guidelines for Certificate of Taxpayer Identification Number on Substitute Form W-9.*
(a)(1)(G)	Press Release issued by Hologic on June 9, 2008 (incorporated by reference to Exhibit 99.1 to the Current Report on Form 8-K filed by Hologic with the SEC on June 9, 2008).*
(a)(1)(H)	Transcript of a conference call held by Hologic on June 9, 2008 (incorporated by reference to the Schedule TO-C filed by Hologic with the SEC on June 10, 2008).*
(a)(1)(I)	Presentation made available to investors and stockholders on June 10, 2008 (incorporated by reference to the Schedule TO-C filed by Hologic with the SEC on June 11, 2008).*
(a)(1)(J)	Transcript of a presentation made available for replay by Hologic on June 10, 2008 (incorporated by reference to the Schedule TO-C filed by Hologic with the SEC on June 12, 2008).*
(a)(1)(K)	Presentation made available to investors and stockholders on June 11, 2008 (incorporated by reference to the Schedule TO-C filed by Hologic with the SEC on June 11, 2008).*
(a)(1)(L)	Transcript of a presentation made available for replay by Hologic on June 11, 2008 (incorporated by reference to the Schedule TO-C filed by Hologic with the SEC on June 12, 2008).*
(a)(1)(M)	Summary Advertisement published on June 17, 2008.*
(a)(1)(N)	Press Release issued by Hologic on June 25, 2008 (incorporated by reference to Schedule TO filed by Hologic with the SEC on June 18, 2008).
(d)(1)	Agreement and Plan of Merger, dated as of June 8, 2008, among Hologic, the Purchaser and Third Wave (incorporated by reference to Exhibit 2.1 to the Current Report on Form 8-K filed by Hologic with the SEC on June 9, 2008).*
(d)(2)	Commitment Letter, dated as of June 8, 2008, by and between Hologic and Goldman Sachs Credit Partners L.P. (incorporated by reference to Exhibit 10.1 to the Current Report on Form 8-K filed by Hologic with the SEC on June 9, 2008).*
(d)(3)	Credit and Guaranty Agreement, dated as of October 22, 2007, among Hologic, certain subsidiaries of Hologic, as Guarantors, the Lenders party thereto from time to time, Goldman Sachs Credit Partners L.P. and Banc of America Securities, LLC, as Joint Lead Arrangers, Bank of America, N.A., as Syndication Agent, Goldman Sachs Credit Partners L.P., as Administrative Agent and Collateral Agent, and Citicorp North American, Inc., JPMorgan Chase Bank, N.A., RBS Citizens, National Association and Fifth Third Bank, an Ohio Banking Corporation as Co-Documentation Agents (incorporated by reference to Exhibit 10.1 to the Current Report on Form 8-K filed by Hologic with the SEC on October 22, 2007).*
(d)(4)	Waiver and First Amendment to Credit and Guaranty Agreement and Pledge and Security Agreement, dated as of April 14, 2008, by and among Hologic and its domestic subsidiaries, excluding the subsidiaries which are Massachusetts securities corporations and Goldman Sachs Credit Partners L.P. (incorporated by reference to Exhibit 10.1 to the Quarterly Report on Form 10-Q filed by Hologic with the SEC on May 5, 2008).*
(d)(5)	Form of Stockholder Agreement (Non-Tender).*
(d)(6)	Confidentiality Agreement, dated as of March 28, 2008, by and between Third Wave and Hologic.*

\* Previously filed