

THORATEC CORP  
Form 8-K  
April 26, 2005

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT  
Pursuant to Section 13 OR 15(d) of  
The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): April 26, 2005

THORATEC CORPORATION

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*(Exact name of registrant as specified in its charter)*

**California**

**1-8145**

**94-2340464**

*(State or other jurisdiction  
of incorporation)*

*(Commission  
File Number)*

*(IRS Employer  
Identification No.)*

**6035 Stoneridge Drive  
Pleasanton, California 94588**

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*(Address of principal executive offices including zip code)*  
**(925) 847-8600**

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*(Registrant's telephone number, including area code)*  
**Not Applicable**

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*(Former name or former address, if changed since last report.)*

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))



**Item 9.01 Results of Operations and Financial Condition**

On April 26, 2005, Thoratec Corporation (the Company ) issued a press release announcing its fiscal 2005 first quarter results, the text of which is attached hereto as Exhibit 99.1.

The information in this Current Report on Form 8-K, including the exhibit, is furnished pursuant to Item 9 and shall not be deemed filed for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities under that Section. Furthermore, the information in the Current Report on Form 8-K, including the exhibit, shall not be deemed to be incorporated by reference into the filings of the Company under the Securities Act of 1933, as amended.

<b>No.</b>	<b>Exhibit</b>
99.1	Press Release, dated April 26, 2005 regarding fiscal 2004 second quarter results.

2.

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Dated as of: April 26, 2005

**THORATEC CORPORATION**

By: /s/ D. Keith Grossman

D. Keith Grossman  
*Chief Executive Officer*

3.

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**EXHIBIT INDEX**

<b>Exhibit No.</b>	<b>Description</b>
99.1	Press Release issued by Thoratec Corporation, dated April 26, 2005.

4.