

THORATEC CORP  
Form 8-K  
May 20, 2004

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**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): May 17, 2004  
THORATEC CORPORATION**

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

*(State of Other Jurisdiction of Incorporation)*

**1-8145**

**94-2340464**

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*(Commission File Number)*

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*(IRS Employer Identification Number)*

**6035 Stoneridge Drive  
Pleasanton, California 94588**

*(Address of principal executive offices including zip code)*

**(925) 847-8600**

*(Registrant's telephone number, including area code)*

**Not Applicable**

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

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Item 9. Regulation FD Disclosure

Signature

EXHIBIT INDEX

EXHIBIT 99.1

EXHIBIT 99.2

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**Item 9. Regulation FD Disclosure**

On May 17, 2004, Thoratec Corporation announced its intention to commence an offering of \$125,000,000 in aggregate principal amount of senior convertible notes to be issued pursuant to Rule 144A. On May 18, 2004, Thoratec announced the pricing of the note offering. For additional information concerning this offering, refer to the exhibits contained in this Current Report on Form 8-K.

The following exhibits are filed with this Form 8-K.

<b>No.</b>	<b>Exhibit</b>
99.1	Press Release dated May 17, 2004 regarding the offering of Senior Convertible Notes.
99.2	Press Release dated May 18, 2004 regarding the offering of Senior Convertible Notes.

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**Signature**

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 May 18, 2004

**THORATEC CORPORATION**

By: /s/ M. Wayne Boylston

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M. Wayne Boylston  
*Senior Vice President, Chief Financial  
Officer and Secretary*

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**EXHIBIT INDEX**

<b><u>Exhibit No.</u></b>	<b><u>Description</u></b>
99.1	Press Release issued by Thoratec Corporation, dated May 17, 2004.
99.2	Press Release issued by Thoratec Corporation, dated May 18, 2004.