

THORATEC CORP  
Form 8-K  
February 11, 2004

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

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**FORM 8-K**

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Current Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of report (Date of earliest event reported): February 10, 2004

**THORATEC CORPORATION**

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

**California**

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*(State of Other Jurisdiction of Incorporation)*

**1-8145**

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*(Commission File Number)*

**94-2340464**

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*(IRS Employer Identification Number)*

**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**

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

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***Item 5. Other Events***

On February 10, 2004, Thoratec Corporation issued a press release announcing a program to repurchase up to \$25 million in shares of its common stock. The press release is attached hereto as Exhibit 99.1.

***Item 7. Exhibits***

(c) Exhibits

<b>Exhibit No.</b>	<b>Description</b>
99.1	Press Release dated February 10, 2004

**SIGNATURES**

Pursuant to the requirement of the Security Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

Date: February 10, 2004

THORATEC CORPORATION

By:           /s/ M. Wayne Boylston          

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

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<b>Exhibit No.</b>	<b>Description</b>
99.1	Press Release dated February 10, 2004