

THORATEC CORP  
Form 4  
May 04, 2005

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**GROSSMAN D KEITH**

(Last) (First) (Middle)

6035 STONERIDGE DRIVE

(Street)

PLEASANTON, CA 94588

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
**THORATEC CORP [THOR]**

3. Date of Earliest Transaction  
(Month/Day/Year)  
05/02/2005

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)

Chief Executive Officer

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
			Code	V	Amount or Price		
Common Stock	05/02/2005		M		43,725 A \$ 5	352,233	D
Common Stock	05/02/2005		S		43,725 D \$ 13	308,508	D
Common Stock	05/03/2005		M		121,608 A \$ 5	430,116	D
Common Stock	05/03/2005		M		8,334 A \$ 6	438,450	D
Common Stock	05/03/2005		M		42,158 A \$ 6.375	480,608	D

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Common Stock 05/03/2005 S 172,100 D \$ 13 308,508 D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount Number Shares
Stock Option (right to buy)	\$ 5	05/02/2005		M	43,725	11/14/1997 <sup>(1)</sup> 11/14/2007	Common Stock 43,7
Stock Option (right to buy)	\$ 5	05/03/2005		M	121,608	11/14/1997 <sup>(1)</sup> 11/14/2007	Common Stock 121,6
Stock Option (right to buy)	\$ 6	05/03/2005		M	8,334	02/24/1999 <sup>(2)</sup> 02/24/2008	Common Stock 8,33
Stock Option (right to buy)	\$ 6.375	05/03/2005		M	42,158	10/23/1999 <sup>(2)</sup> 10/23/2008	Common Stock 42,1

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
GROSSMAN D KEITH 6035 STONERIDGE DRIVE PLEASANTON, CA 94588	X		Chief Executive Officer	

## Signatures

/s/D. Keith  
Grossman

05/04/2005

\_\_Signature of  
Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
  - \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Shares vest in five installments over four years commencing on the grant date.
  - (2) Shares vest in four equal installments over four years commencing one year after the grant date.
  - (3) This option was granted pursuant to the Company's equity incentive plans with no payment received for the option.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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