

APPLIED BIOSYSTEMS INC.  
Form 4  
October 17, 2008

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
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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 \*  
SLAYMAN CAROLYN W

2. Issuer Name and Ticker or Trading Symbol  
APPLIED BIOSYSTEMS INC.  
[ABI]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

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

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

APPLIED BIOSYSTEMS INC., 301 MERRITT 7

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

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

(Street)  
NORWALK, CT 06851-1070

(City) (State) (Zip)

**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 Indirect Beneficial Ownership (Instr. 4)
Applied Biosystems Group Common Stock Units					17,940.21 <sup>(1)</sup>	D	
Applied Biosystems Group Common Stock	10/15/2008		M	6,000 A	\$ 16.2216	19,995	D
	10/15/2008		F	3,238 D	\$ 30.05	16,757	D

Applied  
Biosystems  
Group  
Common  
Stock

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 Security (Instr. 3 and 4)
Applied Biosystems Group Director Stock Options-Right to Buy	\$ 16.2216	10/15/2008		M	6,000	10/18/2000 10/15/2008	Applied Biosystems Group Common Stock

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SLAYMAN CAROLYN W APPLIED BIOSYSTEMS INC. 301 MERRITT 7 NORWALK, CT 06851-1070	X			

## Signatures

/s/ Thomas P. Livingston, Attorney-in-Fact for Carolyn W. Slayman

10/17/2008

\*\*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) Includes 90.49 Applied Biosystems Group Common Stock Units acquired between January 2008 and October 2008 pursuant to the dividend reinvestment feature of the Company's stock incentive plans.

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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