

REPLIGEN CORP  
Form 4/A  
December 19, 2007

**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 \*  
**RUSCHE JAMES R**  
  
(Last) (First) (Middle)  
  
**C/O REPLIGEN CORPORATION, 41 SEYON STREET, BUILDING 1, SUITE 100**  
  
(Street)  
  
**WALTHAM, MA 02453**  
  
(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
**REPLIGEN CORP [RGEN]**

3. Date of Earliest Transaction  
(Month/Day/Year)  
**12/13/2007**

4. If Amendment, Date Original Filed(Month/Day/Year)  
**12/14/2007**

5. Relationship of Reporting Person(s) to Issuer  
  
(Check all applicable)  
  
\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
**Senior Vice President**

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)
				(A) or (D)	Price		
Common Stock	12/13/2007		S	900	D \$ 6.17	114,974 <sup>(1)</sup>	D
c	12/13/2007		S	2,357	D \$ 6.15	112,617 <sup>(2)</sup>	D
Common Stock	12/13/2007		S	12,443	D \$ 6.14	100,174 <sup>(3)</sup>	D
Common Stock	12/13/2007		S	2,200	D \$ 6.13	97,974 <sup>(4)</sup>	D
Common Stock	12/13/2007		S	2,100	D \$ 6.12	95,874 <sup>(5)</sup>	D

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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)	Amount or Number of Shares
Common Stock <sup>(6)</sup>	\$ 1.41	12/13/2007		M	30,000	<sup>(7)</sup> 04/29/2008	Common stock	30,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
RUSCHE JAMES R C/O REPLIGEN CORPORATION 41 SEYON STREET, BUILDING 1, SUITE 100 WALTHAM, MA 02453			Senior Vice President	

## Signatures

James R. Rusche 12/19/2007

<sup>\*\*</sup>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) 7,500 shares exercisable at 4/29/1999, 4/29/2000, 4/29/2001 and 4/29/2002.
- (2) Incorrectly reported zero in Part I, Block 5 as the Amount of Securities Beneficially Owned Following Reported Transaction.
- (3) Incorrectly reported zero in Part I, Block 5 as the Amount of Securities Beneficially Owned Following Reported Transaction.
- (4) Incorrectly reported zero in Part I, Block 5 as the Amount of Securities Beneficially Owned Following Reported Transaction.
- (5) Incorrectly reported zero in Part I, Block 5 as the Amount of Securities Beneficially Owned Following Reported Transaction.
- (6) Incorrectly left Part II blank. This section should have reflected exercise of 30,000 shares at \$1.41 on 12/13/2007.

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(7) 7,500 shares exercisable at 4/29/1999, 4/29/2000, 4/29/2001 and 4/29/2002.

**Remarks:**

Correction of the original amount reported in Table I, Block 5 for the "Amount of Securities Beneficially Owned Following R

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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