

Wiehle Ronald
Form 4
December 21, 2010

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 *
Wiehle Ronald

2. Issuer Name and Ticker or Trading Symbol
REPROS THERAPEUTICS INC.
[RPRX]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
2408 TIMBERLOCH PLACE, SUITE B-7
(Street)

3. Date of Earliest Transaction (Month/Day/Year)
12/20/2010

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
Vice President, R&D

THE WOODLANDS, TX 77380

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

(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 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 | | | |
| | | | | Code | V | Amount | (D) | Price |

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474 (9-02)

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

| 1. Title of Derivative | 2. Conversion | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if | 4. Transaction of | 5. Number of Derivative | 6. Date Exercisable and Expiration Date | 7. Title and Amount of Underlying Securities | 8. F |
|------------------------|---------------|--------------------------------------|-------------------------------|-------------------|-------------------------|---|--|------|
|------------------------|---------------|--------------------------------------|-------------------------------|-------------------|-------------------------|---|--|------|

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| Security (Instr. 3) | or Exercise Price of Derivative Security | any (Month/Day/Year) | Code (Instr. 8) | Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | (Month/Day/Year) | (Instr. 3 and 4) | Sec (In | | | |
|------------------------|---|-------------------------|--------------------|---|------------------|------------------|-------------|------------|-----------------|------------------------------|
| | | | Code | V | (A) | (D) | Date | Expiration | Title | Amount |
| | | | | | | | Exercisable | Date | | or Number of Shares |
| Stock Option | \$ 1.37 | 12/20/2010 | A | | 5,018 | | <u>(1)</u> | 12/20/2020 | Common Stock | 5,018 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Wiehle Ronald 2408 TIMBERLOCH PLACE SUITE B-7 THE WOODLANDS, TX 77380 | | | Vice President, R&D | |

Signatures

| | |
|--|------------|
| /s/ Katherine Anderson, CPA, Attorney-in-fact | 12/21/2010 |
| **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) The option vests and becomes exercisable at a rate of 1/4th per quarter for a period of 1 year based on continued employment.

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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