STEMCELLS INC Form 4

December 15, 2010

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL

OMB 3235-0287 Number: January 31,

Expires: 2005 Estimated average

0.5

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Check this box if no longer subject to Section 16.

Form 4 or Form 5 obligations

may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * PERLMUTTER ROGER M

2. Issuer Name and Ticker or Trading Symbol

Issuer

(Check all applicable)

(Last)

(First)

(Street)

(Middle)

STEMCELLS INC [STEM] 3. Date of Earliest Transaction

(Month/Day/Year) 12/14/2010

X_ Director 10% Owner

5. Relationship of Reporting Person(s) to

Officer (give title Other (specify below)

C/O STEMCELLS, INC., 3155

PORTER DRIVE

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

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

6. Individual or Joint/Group Filing(Check

PALO ALTO, CA 94304

(City) (State) (Zip)

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

Price

\$0

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) any (Month/Day/Year)

3. 4. Securities Acquired Transaction(A) or Disposed of Code (D) (Instr. 8) (Instr. 3, 4 and 5)

6. Ownership 7. Nature of 5. Amount of Securities Form: Direct Indirect Beneficially (D) or Beneficial Owned Indirect (I) Ownership Following (Instr. 4) (Instr. 4) Reported

(A) or Code V Amount (D)

Transaction(s) (Instr. 3 and 4)

Common Stock

12/14/2010

Α 10,000

 $20,000^{(1)}$

D

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

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| 1. Title of | 2. | 3. Transaction Date | | 4. | 5. | 6. Date Exerc | | 7. Titl | | 8. Price of | 9. Nu |
|-------------|-------------|---------------------|--------------------|------------|------------|---------------------|-----------------|---------|----------|-------------|----------|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transacti | orNumber | Expiration D | ate | Amou | ınt of | Derivative | Deriv |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Under | lying | Security | Secui |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Securi | ities | (Instr. 5) | Bene |
| | Derivative | | • | | Securities | 3 | | (Instr. | 3 and 4) | | Owne |
| | Security | | | | Acquired | | | | | | Follo |
| | | | | | (A) or | | | | | | Repo |
| | | | | | Disposed | | | | | | Trans |
| | | | | | of (D) | | | | | | (Instr |
| | | | | | (Instr. 3, | | | | | | (2.11541 |
| | | | | | 4, and 5) | | | | | | |
| | | | | | i, and 3) | | | | | | |
| | | | | | | | | | Amount | | |
| | | | | | | Data | Evaluation | | or | | |
| | | | | | | Date Exercisable | Expiration Date | Title I | Number | | |
| | | | | | | | | | of | | |
| | | | | Code V | (A) (D) | | | | Shares | | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | | |
|---|---------------|-----------|---------|-------|--|--|--|
| • | Director | 10% Owner | Officer | Other | | | |
| PERLMUTTER ROGER M C/O STEMCELLS, INC. 3155 PORTER DRIVE PALO ALTO, CA 94304 | X | | | | | | |

Signatures

/s/ Ken Stratton, Attorney-in-Fact

**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 anniversary equity grant of 10,000 restricted stock units, vesting 100% on December 14, 2011, the one year anniversary of the grant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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