KOSHY GEORGE Form 4/A May 20, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Expires:

January 31, 2005

0.5

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if no longer subject to Section 16. Form 4 or Form 5 obligations

may continue.

See Instruction

Check this box

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).

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading **KOSHY GEORGE** Issuer Symbol STEMCELLS INC [STEM] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner _X_ Other (specify Officer (give title C/O STEMCELLS, INC., 3155 05/15/2011 below) below) PORTER DRIVE chief accounting officer (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person 05/17/2011 Form filed by More than One Reporting PALO ALTO, CA 94304 Person (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of Securities Form: Direct Indirect (Instr. 3) any Code (D) Beneficially (D) or Beneficial Indirect (I) Ownership (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5) Owned Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) or (Instr. 3 and 4) Amount (D) Price Common 05/15/2011 $\mathbf{F}^{(1)}$ 5.098 D $168,336 \frac{(2)}{}$ D Stock 0.77 By 401(k) Common 43,029 I

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

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Plan (3)

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

| 1. Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exerc | cisable and | 7. Title | and | 8. Price of | 9. Nu |
|-------------|-------------|---------------------|--------------------|------------|------------|---------------|-------------|-----------|--------------|-------------|--------|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transactio | onNumber | Expiration D | ate | Amoun | t of | Derivative | Deriv |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Underly | ying | Security | Secui |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Securit | ies | (Instr. 5) | Bene |
| | Derivative | | | | Securities | | | (Instr. 3 | 3 and 4) | | Own |
| | Security | | | | Acquired | | | | | | Follo |
| | • | | | | (A) or | | | | | | Repo |
| | | | | | Disposed | | | | | | Trans |
| | | | | | of (D) | | | | | | (Instr |
| | | | | | (Instr. 3, | | | | | | |
| | | | | | 4, and 5) | | | | | | |
| | | | | | | | | | A manuat | | |
| | | | | | | | | | Amount | | |
| | | | | | | Date | Expiration | | Or Number | | |
| | | | | | | Exercisable | Date | | Number | | |
| | | | | C + V | (A) (D) | | | | of | | |
| | | | | Code V | (A) (D) | | | | Shares | | |

Relationships

officer

Reporting Owners

| Reporting Owner Name / Address | | | | |
|--------------------------------|----------|-----------|---------|------------|
| | Director | 10% Owner | Officer | Other |
| KOSHY GEORGE | | | | chief |
| C/O STEMCELLS, INC. | | | | |
| 2155 DODEED DRIVE | | | | accounting |

3155 PORTER DRIVE PALO ALTO, CA 94304

Signatures

/s/ Ken Stratton, 05/20/2011 attorney-in-fact

**Signature of Reporting Person

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).
- This is recorded as a Code F disposition because the shares were used by the reporting person to pay withholding and payroll taxes **(1)** incurred by him from the delivery of shares incident to the vesting of restricted stock units.
- (2) Includes 27,800 restricted stock units, with 13,900 vesting on each of May 15, 2012 and May 15, 2013.
- (3) Shares held in 401(k) account in accordance with issuer's employer-match policies.

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.

Reporting Owners 2