

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

SCHEDULE 13G
UNDER THE SECURITIES EXCHANGE ACT OF 1934

STEMCELLS, INC.

(Name of Issuer)

COMMON STOCK

(Title of Class of Securities)

85857R105

(CUSIP NUMBER)

December 9, 2003

(Date of event which requires filing of this statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the notes).

- (1) NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NO.
OF ABOVE PERSONS (ENTITIES ONLY)

The Riverview Group LLC

- (2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP **

(a)
 (b)

- (3) SEC USE ONLY

- (4) CITIZENSHIP OR PLACE OF ORGANIZATION
Delaware

NUMBER OF (5) SOLE VOTING POWER
 SHARES -0-

BENEFICIALLY (6) SHARED VOTING POWER
5,348,005

OWNED BY

EACH (7) SOLE DISPOSITIVE POWER
-0-

REPORTING

PERSON WITH (8) SHARED DISPOSITIVE POWER
5,348,005

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED
BY EACH REPORTING PERSON
5,348,005

(10) CHECK BOX IF THE AGGREGATE AMOUNT
IN ROW (9) EXCLUDES CERTAIN SHARES **

[]

(11) PERCENT OF CLASS REPRESENTED
BY AMOUNT IN ROW (9)
12.65%

(12) TYPE OF REPORTING PERSON **

00

** SEE INSTRUCTIONS BEFORE FILLING OUT!

(1) NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NO.
OF ABOVE PERSONS (ENTITIES ONLY)
Millennium Holding Group, L.P.

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP **
(a)
(b)

(3) SEC USE ONLY

(4) CITIZENSHIP OR PLACE OF ORGANIZATION
Delaware

NUMBER OF (5) SOLE VOTING POWER
SHARES -0-

BENEFICIALLY (6) SHARED VOTING POWER
OWNED BY 5,348,005

EACH (7) SOLE DISPOSITIVE POWER
REPORTING -0-

PERSON WITH (8) SHARED DISPOSITIVE POWER
5,348,005

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED
BY EACH REPORTING PERSON
5,348,005

(10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN
SHARES **
[]

(11) PERCENT OF CLASS REPRESENTED
BY AMOUNT IN ROW (9)
12.65%

(12) TYPE OF REPORTING PERSON **
PN

** SEE INSTRUCTIONS BEFORE FILLING OUT!

(1) NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NO.
OF ABOVE PERSONS (ENTITIES ONLY) Millennium Management, LLC

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP **
(a)
(b)

(3) SEC USE ONLY

(4) CITIZENSHIP OR PLACE OF ORGANIZATION
Delaware

NUMBER OF (5) SOLE VOTING POWER
SHARES -0-

BENEFICIALLY (6) SHARED VOTING POWER
OWNED BY 5,348,005

EACH (7) SOLE DISPOSITIVE POWER
REPORTING -0-

PERSON WITH (8) SHARED DISPOSITIVE POWER
5,348,005

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED
BY EACH REPORTING PERSON
5,348,005

(10) CHECK BOX IF THE AGGREGATE AMOUNT
IN ROW (9) EXCLUDES CERTAIN SHARES **
[]

(11) PERCENT OF CLASS REPRESENTED
BY AMOUNT IN ROW (9)
12.65%

(12) TYPE OF REPORTING PERSON **
00

** SEE INSTRUCTIONS BEFORE FILLING OUT!

 (1) NAMES OF REPORTING PERSONS
 I.R.S. IDENTIFICATION NO. OF ABOVE
 PERSONS (ENTITIES ONLY)
 Israel A. Englander

 (2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP **
 (a) [X]
 (b) []

 (3) SEC USE ONLY

 (4) CITIZENSHIP OR PLACE OF ORGANIZATION
 United States

 NUMBER OF (5) SOLE VOTING POWER
 SHARES -0-

 BENEFICIALLY (6) SHARED VOTING POWER
 OWNED BY 5,348,005

 EACH (7) SOLE DISPOSITIVE POWER
 REPORTING -0-

 PERSON WITH (8) SHARED DISPOSITIVE POWER
 5,348,005

 (9) AGGREGATE AMOUNT BENEFICIALLY OWNED
 BY EACH REPORTING PERSON
 5,348,005

 (10) CHECK BOX IF THE AGGREGATE AMOUNT
 IN ROW (9) EXCLUDES CERTAIN SHARES **
 []

 (11) PERCENT OF CLASS REPRESENTED
 BY AMOUNT IN ROW (9)
 12.65%

 (12) TYPE OF REPORTING PERSON **
 IN

 ** SEE INSTRUCTIONS BEFORE FILLING OUT!

Item 1.

(a) Name of Issuer

StemCells, Inc., a Delaware corporation (the "Company").

(b) Address of Issuer's Principal Executive Offices:

3155 Porter Drive, Palo Alto, California, 94304

Item 2(a). Name of Person Filing

Item 2(b). Address of Principal Business Office

Item 2(c). Citizenship

The Riverview Group, LLC
c/o Millennium Management, LLC
666 Fifth Avenue
New York, New York 10103
Citizenship: Delaware

Millennium Holding Group, L.P.
c/o Millennium Management, LLC
666 Fifth Avenue
New York, New York 10103
Citizenship: Delaware

Millennium Management, LLC
666 Fifth Avenue
New York, New York 10103
Citizenship: Delaware

Israel A. Englander
c/o Millennium Management, LLC
666 Fifth Avenue
New York, New York 10103
Citizenship: United States

(d) Title of Class of Securities

Common Stock, par value \$0.01 per share

(e) CUSIP Number 85857R105

Item 3. If this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b), check whether the person filing is a:

(a) Broker or dealer registered under Section 15 of the Act (15 U.S.C. 78o).

(b) Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c).

(c) Insurance company as defined in Section 3(a)(19) of the Act (15 U.S.C. 78c).

- (d) Investment company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
- (e) An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f) An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
- (g) A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);
- (h) A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i) A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j) Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

If this statement is filed pursuant to Rule 13d-1(c), check this box.

Item 4. Ownership

(a) Amount Beneficially Owned

As of the date of this filing, each Reporting Person may be deemed the beneficial owner of (i) 4,025,289 shares of Common Stock owned outright by The Riverview Group LLC, a Delaware limited liability company ("Riverview") and (ii) 1,322,716 shares of Common Stock currently issuable to Riverview upon the exercise of certain warrants.

Note: The sole member of Riverview is Millennium Holding Group, L.P., a Delaware limited partnership ("Holding"). Millennium Management, LLC, a Delaware limited liability company ("Millennium Management"), is the general partner of Holding and consequently has voting control and investment discretion over securities owned by Holding and by Riverview. Israel A. Englander ("Mr. Englander") is the sole managing member of Millennium Management. As a result, Mr. Englander may be considered the beneficial owner of any shares deemed to be beneficially owned by Millennium Management. Each of Holding, Millennium Management and Mr. Englander disclaims any beneficial ownership of the shares owned by Riverview.

Note: Millennium Partners, L.P., a Cayman Islands limited partnership ("Partners"), is a limited partner of Holding. As a limited partner, Partners has no ability to control Holding. Therefore, as of the date of this filing, Partners may not be deemed a beneficial owner of the shares of the Company or a member of the above-listed group.

(b) Percent of Class

Approximately 12.65% as of the date of this filing. (Based on the Company's 424B2 Prospectus (the "Prospectus") filed on December 10, 2003, (i) there were 35,969,400 shares of Common Stock issued and outstanding as of December 3, 2003 and (ii) 5,000,000 shares of Common Stock were issued pursuant to the Prospectus. In addition, Riverview owns the warrants to purchase 1,322,716 shares of Common Stock referred to in the first paragraph of Item 4(a) above.)

(c) Number of shares as to which such person has:

- (i) Sole power to vote or to direct the vote:

-0-

(ii) Shared power to vote or to direct the vote

5,348,005 shares of Common Stock

(iii) Sole power to dispose or to direct the disposition of

-0-

(iv) Shared power to dispose or to direct the disposition of

5,348,005 shares of Common Stock

Item 5. Ownership of Five Percent or Less of a Class

Not applicable.

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Not applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company

Not applicable.

Item 8. Identification and Classification of Members of the Group

This statement is filed by:

(i) Riverview;

(ii) Holding, as the sole member of Riverview;

(iii) Millennium Management, as the general partner and investment advisor of Holding; and

(iv) Mr. Englander, as the sole managing member of Millennium Management.

Item 9. Notice of Dissolution of Group

Not applicable

Item 10. Certification

By signing below each of the undersigned certifies that, to the best of its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of its knowledge and belief, each of the undersigned certifies that the information with respect to it set forth in this statement is true, complete, and correct.

Dated: December 19, 2003

THE RIVERVIEW GROUP, LLC

By: Millennium Holding Group, L.P.,
its sole member

By: Millennium Management, LLC
its general partner

By:/s/ Terry Feeney

Name: Terry Feeney
Title: Chief Operating Officer

MILLENNIUM MANAGEMENT, LLC

By:/s/ Israel A. Englander

Name: Israel A. Englander
Title: Managing Member

MILLENNIUM HOLDING GROUP, L.P.

By: Millennium Management, LLC
its general partner

By:/s/ Israel A. Englander

Name: Israel A. Englander
Title: Managing Member

/s/ Israel A. Englander

Israel A. Englander