FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP
Instruction 1(b).	Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

l	OMB APPROVAL								
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* WEISSMAN IRVING					2. Issuer Name and Ticker or Trading Symbol STEMCELLS INC [STEM]											nip of Reporting Person(s) to Is oplicable) ector 10% C				
	(Fi MCELLS, RTER DRI	INC.	Middle)		10/	3. Date of Earliest Transaction (Month/Day/Year) 10/01/2010									a India	belov		Other (specify below)		
(Street) PALO AI (City)			94304 Zip)		- 4. 11	4. If Amendment, Date of Original Filed (Month/Day/Year)									Line)	Forn	or Joint/Group Filing (Check Applicable rm filed by One Reporting Person rm filed by More than One Reporting rson			
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
			2. Transaction Date (Month/Day/Year)		ar) i	2A. Deemed Execution Date, if any (Month/Day/Year)		Code (Transaction Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)			4 and Secu Bene Own		icially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership	
									Code	v	Amount		(A) or (D)	Pric	е	Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)
Common Stock			10/01	10/01/2010				A		3,465		A	\$0.25(1)		342,881 ⁽²⁾		D			
Common Stock			10/01	10/01/2010				A		10,000)	A \$0		0.00	352,881 ⁽²⁾		D			
Common Stock																1	90,111	I		family trust ⁽³⁾
	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. Deem Execution if any (Month/Da	Date, Transa		(Instr.	on of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)				е	Amount of Securities Underlying Derivative Security (Instr. and 4)		nstr. 3	Deri Seci (Inst		9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Owner Form: Direct or Indi (I) (Ins	(D) rect	11. Nature of Indirect Beneficial Ownership (Instr. 4)

Explanation of Responses:

- 1. The \$0.25 per share price was the stock option exercise price for shares granted to Dr. Weissman on October 6, 2000, November 3, 2000, December 31, 2000 and January 2, 2001.
- 2. Includes (1) exercise of shares granted to Dr. Weissman on October 6, 2000, November 3, 2000, December 31, 2000 and January 2, 2001, and (2) anniversary equity grant of 10,000 restricted stock units, vesting 100% on October 1, 2011, the one year anniversary of the grant
- 3. 105,079 shares held in trust as to which Dr. Weissman disclaims beneficial ownership.

Remarks:

/s/ Ken Stratton, attorney-in-

10/05/2010

fact

** Signature of Reporting Person

Date

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

- * 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.