

MORTENSEN ROBERT L
 Form 4
 May 22, 2009

FORM 4

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

OMB APPROVAL

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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 *
 MORTENSEN ROBERT L

2. Issuer Name and Ticker or Trading Symbol
 CARDIOGENESIS CORP /CA
 [CGCP.PK]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
 05/20/2009

Director 10% Owner
 Officer (give title below) Other (specify below)

11 MUSICK

(Street)

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

IRVINE, CA 92618

(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 Following 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 Security	2. Conversion or Exercise	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any	4. Transaction Code	5. Number of Derivative Securities Acquired	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount Underlying Securities (Instr. 3 and 4)
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(Instr. 3)	Price of Derivative Security	(Month/Day/Year)	(Instr. 8)		(A) or Disposed of (D) (Instr. 3, 4, and 5)		Date Exercisable	Expiration Date	Title	Amount or Number of Shares
			Code	V	(A)	(D)				
Stock Option (Right to Buy)	\$ 0.22	05/20/2009	A		50,000		<u>(1)</u>	05/20/2019	Common Stock	50,000
Stock Option (Right to Buy)	\$ 10.75	06/30/1999	D			7,500	<u>(2)</u>	06/30/2009	Common Stock	7,500
Stock Option (Right to Buy)	\$ 10.75	06/30/1999	A		7,500		<u>(2)</u>	06/30/2009	Common Stock	7,500
Stock Option (Right to Buy)	\$ 3.875	05/31/2000	D			7,500	<u>(3)</u>	05/31/2010	Common Stock	7,500
Stock Option (Right to Buy)	\$ 3.875	05/31/2000	A		7,500		<u>(3)</u>	05/31/2010	Common Stock	7,500
Stock Option (Right to Buy)	\$ 2.89	06/15/2001	D			7,500	<u>(4)</u>	06/15/2011	Common Stock	7,500
Stock Option (Right to Buy)	\$ 2.89	06/15/2001	A		7,500		<u>(4)</u>	06/15/2011	Common Stock	7,500
Stock Option (Right to Buy)	\$ 0.91	05/31/2002	D			7,500	<u>(5)</u>	05/31/2012	Common Stock	7,500
Stock Option (Right to Buy)	\$ 0.91	05/31/2002	A		7,500		<u>(5)</u>	05/31/2012	Common Stock	7,500
Stock Option (Right to Buy)	\$ 0.91	05/31/2002	D			18,000	<u>(6)</u>	05/31/2012	Common Stock	18,000

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Buy)

Stock Option (Right to Buy)	\$ 0.91	05/31/2002	A	18,000	(6)	05/31/2012	Common Stock	18,000
Stock Option (Right to Buy)	\$ 0.7	06/24/2003	D	7,500	(7)	06/24/2013	Common Stock	7,500
Stock Option (Right to Buy)	\$ 0.7	06/24/2003	A	7,500	(7)	06/24/2013	Common Stock	7,500
Stock Option (Right to Buy)	\$ 0.54	06/17/2004	D	7,500	(8)	06/17/2014	Common Stock	7,500
Stock Option (Right to Buy)	\$ 0.54	06/17/2004	A	7,500	(8)	06/17/2014	Common Stock	7,500
Stock Option (Right to Buy)	\$ 0.59	07/29/2005	D	7,500	(9)	07/29/2015	Common Stock	7,500
Stock Option (Right to Buy)	\$ 0.59	07/29/2005	A	7,500	(9)	07/29/2015	Common Stock	7,500
Stock Option (Right to Buy)	\$ 0.25	06/18/2007	D	7,500	(10)	06/18/2017	Common Stock	7,500
Stock Option (Right to Buy)	\$ 0.25	06/18/2007	A	7,500	(10)	06/18/2017	Common Stock	7,500
Stock Option (Right to Buy)	\$ 0.29	05/19/2008	D	7,500	(11)	05/19/2018	Common Stock	7,500
Stock Option (Right to Buy)	\$ 0.29	05/19/2008	A	7,500	(11)	05/19/2018	Common Stock	7,500

