

Wyskiel Christina W
 Form 4
 February 27, 2009

FORM 4

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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 *
 Wyskiel Christina W

2. Issuer Name and Ticker or Trading Symbol
 CARDIOVASCULAR SYSTEMS INC [CSII]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
 02/25/2009

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

C/O MAVERICK CAPITAL LTD, 300 CRESCENT COURT, 18TH FLOOR

(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

DALLAS, TX 75201

(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	

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

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SEC 1474 (9-02)

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 Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Options	\$ 7.36	02/25/2009		U		23,319	11/13/2007 11/12/2017	Common Stock	23,319
Stock Options	\$ 5.11	02/25/2009		U		6,681	10/09/2007 10/08/2017	Common Stock	6,681
Stock Options	\$ 5.71	02/25/2009		U		40,000	<u>(2)</u> 08/14/2011	Common Stock	40,000

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Wyskiel Christina W
 C/O MAVERICK CAPITAL LTD
 300 CRESCENT COURT, 18TH FLOOR
 DALLAS, TX 75201

X

Signatures

Christina Wyskiel 02/27/2009

**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) These Stock Options are held by Christina Wyskiel for the benefit of Maverick Fund, L.D.C., Maverick Fund USA, Ltd., and Maverick Fund II, Ltd. Ms. Wyskiel is an employee of an affiliate of Maverick Capital Ltd.
- (2) These Stock Options are exercisable in three equal annual installments. The first installment became exercisable on August 15, 2007, the second installment became exercisable on August 15, 2008, and the third installment will become exercisable on August 15, 2009.
- (3) Pursuant to the merger agreement between Replidyne, Inc., Responder Merger Sub, Inc. and the issuer, dated November 3, 2008, (the "Merger Agreement"), these Stock Options were assumed on 02/25/2009 by Replidyne, Inc. and replaced with options to purchase 15,087 shares of Replidyne, Inc. common stock at an exercise price of \$11.38 and otherwise having the same terms and conditions as the assumed Stock Options.
- (4) Pursuant to the Merger Agreement, these Stock Options were assumed on 02/25/2009 by Replidyne, Inc. and replaced with a stock option to purchase 4,322 shares of Replidyne, Inc. common stock at an exercise price of \$7.90 and otherwise having the same terms and conditions as the assumed Stock Options.

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Pursuant to the Merger Agreement, these Stock Options were assumed on 02/25/2009 by Replidyne, Inc. and replaced with a stock option (5) to purchase 25,880 shares of Replidyne, Inc. common stock at an exercise price of \$8.83 and otherwise having the same terms and conditions as the assumed Stock Options.

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.