Cardiovascular Systems Inc Form 144 February 22, 2010

3 (a)

Title of the

Class of

(b)

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 FORM 144					OMB APPROVAL OMB Number: 3235-0101 Expires: March 31, 2011 Estimated average burden hours per response 2.00		
NOTICE OF PROPOSED SALE OF SECURITIES PURSUANT TO RULE 144 UNDER THE SECURITIES ACT OF 1933						SEC USE ONLY DOCUMENT SEQUENCE NO.	
ATTENTION: Transmit for filing 3 copies of this form concurrently with either placing an order with a broker to execute sale or executing a sale directly with a market maker.					CUSIP NUMBER		
1 (a) NAME OF ISSUER (Please type or print	2)	(b) IRS IDENT. NO.	(c) S.E.C. FILI	E NO.	WORK L	OCATION
Cardiovascular Systems, In	c. (the "Issuer")		41-1698056	000-52082			
1 (d) ADDRESS OF ISSUER STATE	STREET ZIP CODE		CIT	Y		(e) TELE	PHONE NO.
651 Campus Drive Paul	MN	55112-3495	5		St.	AREA CODE	NUMBER
2 (a) NAME OF	(b)	c)				651	259-1600
PERSON FOR WHOSE ACCOUNT THE SECURITIES ARE	RELATIONSHIP TO ISSUER	ADDRESS CODE	STRE		CITY Fort	Y S	TATE
TO BE SOLD	Shareholder	Worth	TX	76102	ron		
TPG Biotechnology Partners, L.P. ("Seller")							
INSTRUCTION: The person filing this notice should contact the issuer to obtain the I.R.S. Identification Number and the S.E.C. File Number.							

SEC USE (c)

Broker-Dealer Shares

ONLY

(d)

Number of Aggregate

Market

(e)

Number of

Shares

(f)

Approximate

Date of Sale

(g)

of

Name

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Securit To Be S		File Number or Other Units	Value	or Other Units ((See instr. 3(Each Securities	
	Whom the	To Be Sold	(See instr.	Outstanding (M	O. DAY	YR.)Exchange	
	Securities are to be		3(d))				
	Offered or Each Market	(See instr.		(See instr.		(See	
	Maker	3(c))		3(e))		instr.	
	who is Acquiring the					3(g))	
	Securities						
Common	UBS Securities LLC	192,704	\$1,040,601.6	0 14,909,522 Feb	oruary 22, 20	010	
Stock par	677 Washington Blvd.	(1)	(February 19	, (February			
value \$0.	001 Stamford, CT 06901		2010)	10, 2010)			
per share							
INSTRU	CTIONS:						
1. (a) Name of issuer		3. (a) Title of	3. (a) Title of the class of securities to be sold				
(b) Ia	and IDC Identification None	han (h) Manna an	(b) Name and address of each broken through whom the				

- (b) Issuer's I.R.S. Identification Number
- (c) Issuer's S.E.C. file number, if any
- (d) Issuer's address, including zip code
- (b) Name and address of each broker through whom the securities are intended to be sold
 - (c) Number of shares or other units to be sold (if debt securities,
- (e) Issuer's telephone number, including areagive the aggregate face code amount)
- 2. (a) Name of person for whose account the securities are to be sold
- (b) Such person's relationship to the issuer (e.g., officer, director, 10% stockholder, or member of immediate family of any of the foregoing)
 - (c) Such person's address, including zip code
- (d) Aggregate market value of the securities to be sold as of a specified date within 10 days

prior to the filing of this notice

- (e) Number of shares or other units of the class outstanding, or if debt securities the face
- amount thereof outstanding, as shown by the most recent report or statement published

by the issuer

- (f) Approximate date on which the securities are to be sold
- (g) Name of each securities exchange, if any, on which the securities are intended to be

sold

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 control number.

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TABLE I - SECURITIES TO BE SOLD

Furnish the following information with respect to the acquisition of the securities to be sold and with respect to the payment of all or any part of the purchase price or other consideration therefor:

Title of the Class	Date you Acquired	Nature of Acquisition Transaction	Name of Person from Whom Acquired (If gift, also give date donor acquired)	Amount of Securities Acquired		Nature of Payment
Common Stock	7/3/2006	The shares reported herein were acquired upon (i) the conversion of shares of the Issuer's Series C and D preferred stock previously acquired by Seller for cash and (ii) the issuance of Issuer's common stock in satisfaction of accumulated dividends on such preferred stock at the date of conversion.	Issuer	192,704 (following reverse stock split effected on February 25, 2009)	July 3, 2006	Conversion of preferred stock and satisfaction of accumulated dividends thereon.

INSTRUCTIONS: . If the securities were purchased and full payment therefor was not made in cash at the time of purchase, explain in the table or in a note thereto the nature of the consideration given. If the consideration consisted of any note or other obligation, or if payment was made in installments describe the arrangement and state when the note or other obligation was discharged in full or the last installment paid.

TABLE II — SECURITIES SOLD DURING THE PAST 3 MONTHS

Furnish the following information as to all securities of the issuer sold during the past 3 months by the person for whose account the securities are to be sold.

			Amount of	
Name and Address of Seller	Title of Securities Sold	Date of Sale	Securities	Gross Proceeds
			Sold	
N/A	N/A	N/A	N/A	N/A
REMARKS:				

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(1) Sales by Seller should be aggregated with the sales of TPG Ventures, L.P. (together with Seller, the "TPG Funds"), which is under common control. The TPG Funds are filing separate Forms 144 for aggregate sales of up to 275,290 shares of the Issuer's Common Stock.

INSTRUCTIONS: ATTENTION:

See the definition of "person" in paragraph (a) of Rule 144. Information is to be given The person for whose account the sec not only as to the person for whose account the securities are to be sold but also as to all represents by signing this notice that other persons included in that definition. In addition, information shall be given as to regard to the current and prospective sales by all persons whose sales are required by paragraph (e) of Rule 144 to be which has not been publicly disclose aggregated with sales for the account of the person filing this notice.

given trading instructions to satisfy F form and indicating the date that the makes such representation as of the p

2/22/10 DATE OF NOTICE

DATE OF PLAN ADOPTION OR GIVING OF INSTRUCTION, IF RELYING ON **RULE 10B5-1**

The notice shall be signed by the person for whose account the securities are to be sold. At least one copy of the notice shall be manually signed.

Any copies not manually signed shall bear typed or printed signatures.

ATTENTION: Intentional misstatements or omission of facts constitute Federal Criminal Violations (See 18 U.S.C. 1001).