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DEXCOM INC

Reported by

BRAUKER JAMES H

FORM 3

(Initial Statement of Beneficial Ownership)

Filed 03/26/08 for the Period Ending 03/24/08

Address	6340 SEQUENCE DRIVE SAN DIEGO, CA 92121
Telephone	8582000200
CIK	0001093557
Symbol	DXCM
SIC Code	3841 - Surgical and Medical Instruments and Apparatus
Industry	Medical Equipment & Supplies
Sector	Technology

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FORM 3

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

OMB APPROVAL
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INITIAL STATEMENT OF 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

1. Name and Address of Reporting Person *	2. Date of Event Requiring Statement (MM/DD/YYYY)	3. Issuer Name **and** Ticker or Trading Symbol
Brauker James H	**3/24/2008**	**DEXCOM INC [DXCM]**
(Last) (First) (Middle) **C/O DEXCOM, INC., 6340 SEQUENCE DRIVE**	4. Relationship of Reporting Person(s) to Issuer (Check all applicable) _____ Director _____ 10% Owner ___ **X** ___ Officer (give title below) _____ Other (specify below) **VP Research & Development /**	
(Street) **SAN DIEGO, CA 92121** (City) (State) (Zip)	5. If Amendment, Date Original Filed (MM/DD/YYYY)	6. Individual or Joint/Group Filing (Check Applicable Line) _ **X** _ Form filed by One Reporting Person ___ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1.Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	**102440**	**I**	**By Trust** (1)

Table II - Derivative Securities Beneficially Owned (*e.g.* , puts, calls, warrants, options, convertible securities)

1. Title of Derivate Security (Instr. 4)	2. Date Exercisable and Expiration Date (MM/DD/YYYY)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			

Explanation of Responses:

(1) Shares are held by The Brauker Family Trust, with respect to which reporting person is a trustee.

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Brauker James H **C/O DEXCOM, INC.** **6340 SEQUENCE DRIVE** **SAN DIEGO, CA 92121**			**VP Research & Development**	

Signatures

/s/ James H. Brauker	**3/26/2008**
** 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 5(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 control number.