

HEMISPHERX BIOPHARMA INC  
 Form 5  
 January 26, 2007

**FORM 5**

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

OMB APPROVAL  
 OMB Number: 3235-0362  
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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).  
 Form 3 Holdings Reported Form 4 Transactions Reported

**ANNUAL 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

1. Name and Address of Reporting Person \*  
 SPENCE STEVEN D

2. Issuer Name and Ticker or Trading Symbol  
 HEMISPHERX BIOPHARMA INC  
 [HEB]

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)

(Last) (First) (Middle)

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)  
 12/31/2005

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

250 EAST 54TH STREET  
 APARTMENT 36C

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Reporting  
 (check applicable line)

NEW YORK, NY 10022

Form Filed by One Reporting Person  
 Form Filed by More than One Reporting Person

(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)	(A) or (D)	Price	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	03/11/2005	Â	P4	5,000	A	\$ 1.48	132,883	D	Â
Common Stock	03/11/2005	Â	P4	5,000	A	\$ 1.5	132,883	D	Â
Common Stock	03/11/2005	Â	P4	5,000	A	\$ 1.46	132,883	D	Â
Common Stock	03/11/2005	Â	P4	5,000	A	\$	132,883	D	Â

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Stock						1.38			
Common Stock	03/11/2005	Â	P4	5,000	A	\$ 1.4	132,883	D	Â
Common Stock	04/01/2006	Â	P	19,877	A	\$ 1.5	132,883	D	Â
Common Stock	06/10/2005	Â	P	9,500	A	\$ 1.89	132,883	D	Â
Common Stock	06/10/2005	Â	P	1,600	A	\$ 1.9	132,883	D	Â
Common Stock	06/10/2006	Â	P	3,600	A	\$ 1.92	132,883	D	Â
Common Stock	06/17/2005	Â	P	6,409	A	\$ 1.93	132,883	D	Â
Common Stock	06/17/2005	Â	P	8,100	A	\$ 1.94	132,883	D	Â
Common Stock	06/30/2005	Â	A4	6,684	A	\$ 1.87	132,883	D	Â
Common Stock	08/18/2005	Â	P	10,000	A	\$ 1.52	132,883	D	Â
Common Stock	09/30/2005	Â	A4	7,353	A	\$ 1.7	132,883	D	Â
Common Stock	11/29/2005	Â	P	2,000	A	\$ 2.37	132,883	D	Â
Common Stock	11/29/2005	Â	P	11,600	A	\$ 2.34	132,883	D	Â
Common Stock	11/29/2005	Â	P	12,200	A	\$ 2.35	132,883	D	Â
Common Stock	11/29/2005	Â	P	3,200	A	\$ 2.36	132,883	D	Â
Common Stock	12/31/2005	Â	A4	5,760	A	\$ 2.17	132,883	D	Â

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

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(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 (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)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)
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(Instr. 3, 4,  
and 5)

	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Options	\$ 1.75		04/26/2005		Common Stock	15,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SPENCE STEVEN D 250 EAST 54TH STREET APARTMENT 36C NEW YORK, NY 10022	X			

## Signatures

Steven Spence                      01/26/2007  
 \_\_Signature of                      Date  
 Reporting Person

## 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).
- Note: File three copies of this Form, one of which must be manually signed. If space provided 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.