EPIX Pharmaceuticals, Inc.

Form 4

August 21, 2006

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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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

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Kauffman Michael G

2. Issuer Name and Ticker or Trading Symbol

EPIX Pharmaceuticals, Inc. [EPIX]

5. Relationship of Reporting Person(s) to

Issuer

below)

(First) (Last)

3. Date of Earliest Transaction

(Check all applicable)

C/O EPIX PHARMACEUTICALS,

(Street)

(State)

(Month/Day/Year)

(Month/Day/Year)

_X__ Director 10% Owner Other (specify X_ Officer (give title

08/18/2006

Chief Executive Officer

INC., 4 MAGUIRE ROAD

(Middle)

(Zip)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person

(T)

(Instr. 4)

Form filed by More than One Reporting Person

LEXINGTON, MA 02421

(City)

Security

(Instr. 3)

1. Title of 2. Transaction Date 2A. Deemed

3. 4. Securities TransactionAcquired (A) or

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 5. Amount of

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial

(Month/Day/Year)

Execution Date, if

Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

Following Reported Transaction(s)

(Instr. 3 and 4) Code V Amount (D) Price

Securities

Owned

Beneficially

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

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SEC 1474 (9-02)

Ownership

(Instr. 4)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Conversion Security or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if any

4. 5. Number of TransactionDerivative Code Securities

(A)

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) | Price of Derivative Security | (| Month/Day/Year) | (Instr. | 8) | Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | | | | |
|--------------------------------------|------------------------------------|------------|-----------------|---------|----|---|-----|---------------------|--------------------|-----------------|----------------------------------|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Stock Option (right to buy) | \$ 7.2 | 08/18/2006 | | A | | 150,000 | | <u>(1)</u> | 08/18/2016 | Common Stock | 150,000 |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Kauffman Michael G

C/O EPIX PHARMACEUTICALS, INC.

X Chief Executive Officer

4 MAGUIRE ROAD

LEXINGTON, MA 02421

Signatures

/s/ Michael Berdik, Attorney-in-Fact 08/21/2006

**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).
- Option becomes exercisable in 16 equal quarterly installments, with the first quarterly vesting occurring on November 18, 2006, and with 6.25% of the option becoming exercisable on the first day of each subsequent three month period thereafter until fully exercisable.

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.

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