

MATHIS LARRY  
Form 4  
May 31, 2012

**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 \*  
MATHIS LARRY

2. Issuer Name and Ticker or Trading Symbol  
ALEXION PHARMACEUTICALS INC [ALXN]

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

(Last) (First) (Middle)  
325 KNOTTER DR, C/O ALEXION PHARMACEUTICALS INC  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
05/29/2012

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

CHESHIRE, CT 06410

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

(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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock, par value \$.0001 per share	05/29/2012		M		18,000	A	\$ 5.5525 29,115
Common Stock, par value \$.0001 per share	05/29/2012		M		15,000	A	\$ 8.175 44,115
	05/29/2012		S		14,015	D	30,100

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Common Stock, par value \$91.76  
 Common Stock, par value \$91.76  
 \$0.0001 per share

Common Stock, par value \$92.29  
 Common Stock, par value \$92.29  
 \$0.0001 per share

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

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.

SEC 1474 (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) (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
Option to Purchase Common Stock	\$ 5.5525	05/29/2012		M	18,000	03/10/2005 12/10/2004	Common Stock, par value \$0.0001 per share 18,000
Option to Purchase Common Stock	\$ 8.175	05/29/2012		S	15,000	09/07/2006 06/07/2006	Common Stock, par value \$0.0001 per share 15,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
	X			

MATHIS LARRY  
325 KNOTTER DR  
C/O ALEXION PHARMACEUTICALS INC  
CHESHIRE, CT 06410

## Signatures

/s/ Larry Mathis                      05/31/2012

\_\_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).

This transaction was executed in multiple trades through a broker-dealer at prices ranging from \$91.00 - \$91.995. The price reported in  
(1) this column reflects the weighted average sales price. Upon request, the reporting person will provide to the SEC staff full information regarding the number of shares sold at each price.

This transaction was executed in multiple trades through a broker-dealer at prices ranging from \$92.00 - \$92.99. The price reported in this  
(2) column reflects the weighted average sales price. Upon request, the reporting person will provide to the SEC staff full information regarding the number of shares sold at each price.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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