Instruction 1(b)

FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

1. Name and Address of Reporting Person

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

5. Relationship of Reporting Person(s) to Issuer

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

2. Issuer Name and Ticker or Trading Symbol

Sinha Vikas						ALEXION PHARMACEUTICALS INC [ALXN]								Director 10% Owner				
(Last)	(Last) (First) (Middle)				-	1								Officer (give title Other (specification) below)				pecify
C/O ALEXION PHARMACUETICALS, INC. 352 KNOTTER DRIVE						3. Date of Earliest Transaction (Month/Day/Year) 02/13/2012									SVP	& CFO		
(Street)					_ 4.1	4. If Amendment, Date of Original Filed (Month/Day/Year)								Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person				
CHESH	CHESHIRE CT 06410				_									Form filed by More than One Reporting Person				
(City)	(S	tate)	(Zip)															
			ole I - N			_			i -	l, Di	sposed o			-		1	[
1. Title of Security (Instr. 3) 2. Transact Date (Month/Day						r) E	2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Acquired Disposed Of (D) (Instr.			Securition Benefici Owned	5. Amount of Securities Beneficially Owned Following Reported		irect direct I	7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amount	(A) or (D)	Price	Transac (Instr. 3	u tion(s) and 4)			instr. 4)
Common Stock, par value \$.0001 per share 02/13/2						012			M		20,000(1) A	\$10.2	\$10.29 383		D		
Common Stock, par value \$.0001 per share 02/13/2					8/2012	012			S		20,000(1) D	\$84.34	(2) 363	3,388	D		
Common Stock, par value \$.0001 per share 02/14/2					1/2012	2012			M		20,000(1) A	\$10.2	9 383	3,388	D		
Common Stock, par value \$.0001 per share 02/14/2					1/2012	012		S		20,000(1) D	\$84.95	\$84.95 ⁽³⁾ 363		D			
			Table II								oosed of, convertil			Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deen Executio if any (Month/D	n Date,		Transaction Code (Instr.		on of		Exercion Da Day/Y		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	Ownershi Form: Direct (D) or Indirect (I) (Instr.		11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercis	able	Expiration Date	Title	Amount or Number of Shares					
Option to Purchase Common Stock	\$10.29	02/13/2012			M			20,000	04/15/2	:007	01/15/2017	Common Stock, par value \$.0001 per share	20,000	\$0	41,99	6	D	
Option to Purchase Common	\$10.29	02/14/2012			M			20,000	04/15/2	:007	01/15/2017	Common Stock, par value \$.0001	20,000	\$0	21,99	6	D	

Explanation of Responses:

- 1. The transactions reported by this Form 4 are made pursuant to the terms of a sales plan designed to meet the requirements of Rule 10b5-1(c)(1) of the Securities Exchange Act.
- 2. This transaction was executed in multiple trades through a broker-dealer at prices ranging from \$83.79 \$84.79. The price reported in 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.
- 3. This transaction was executed in multiple trades through a broker-dealer at prices ranging from \$84.90 \$85.90. The price reported in 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.

/s/ Vikas Sinha

per share

02/15/2012

** 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 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 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 Number.