LEXICON GENETICS INC/TX

Form 4

Common

Stock

September 06, 2005

September 0	6, 2005											
FORM 4 UNITED STATES SECURITIES AND EVCHANCE COMMISSION							OMB APPROVAL					
	UNITEDSI		SECURITIES AND EXCHANGE CO Washington, D.C. 20549					OMB Number:	3235-0287			
Check th if no long	aer .							Expires:	January 31, 2005			
subject to Section 1 Form 4 o	6. or	NT OF CHAN	ITIES		Estimated average burden hours per response 0.5							
Form 5 obligations may continue. See Instruction 1(b). 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 I	Responses)											
1. Name and A	Symbol						5. Relationship of Reporting Person(s) to Issuer					
		[LEXICO	LEXICON GENETICS INC/TX [LEXG]					(Check all applicable)				
(Last)	(First) (Midd		3. Date of Earliest Transaction (Month/Day/Year)				_X_ Director 10% Owner Officer (give title Other (specify					
8800 TECH PLACE	NOLOGY FOREST		09/02/2005					below) below)				
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)					6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person				
THE WOODLAN	NDS, TX 773811160	0					Form filed by I Person	More than One R	eporting			
(City)	(State) (Zip	p) Table	I - Non-D	erivative	Secur	ities Ac	quired, Disposed o	f, or Beneficia	ally Owned			
1.Title of Security (Instr. 3)	aı	A. Deemed Execution Date, if any Month/Day/Year)	on Date, if Transaction(A) or Disposed of Code (D)				Securities F Beneficially (Owned I	ndirect (I) Ow				
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)					
Common Stock	09/02/2005		P	1,000	A	\$ 4.61	5,300	D				
Common Stock							200	I	As Custodian For Child			

By Cogene Biotech

Ventures, L.P.

1,679,400

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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)

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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

	 Title of 	2.	3. Transaction Date	3A. Deemed	4.	5.	Date Exerc	cisable and	7. Title	e and	8. Price of	9
	Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration Date		Amou	nt of	Derivative	J
	Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	,
(Instr. 3)		Price of		(Month/Day/Year)	(Instr. 8)	Derivative			Securities		(Instr. 5)]
	Derivative					Securities Acquired			(Instr.	tr. 3 and 4)		(
		Security									J	
						(A) or					J	
						Disposed						7
						of (D)						(
						(Instr. 3,						
						4, and 5)						
										Amount		
										or		
						Date	Expiration		Number			
							Exercisable D	Date		of		
				Code V	(A) (D)				Shares			
					Code v	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

CASKEY C THOMAS 8800 TECHNOLOGY FOREST PLACE X THE WOODLANDS, TX 773811160

Signatures

/s/ Caskey, C. 09/06/2005 Thomas

**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 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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