FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to	STA
Section 16. Form 4 or Form 5	
obligations may continue. See	
Instruction 1(b).	

TEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* ECKER DAVID J						2. Issuer Name and Ticker or Trading Symbol ISIS PHARMACEUTICALS INC [ISIS]									k all applic Directo	able)	g Pers	son(s) to Issu 10% Ow Other (s	/ner	
1	`	.CEUTICALS, I	(Middle) NC.		09	3. Date of Earliest Transaction (Month/Day/Year) 09/02/2008									Vice President					
(Street)	BAD C.	A	92008		_ 4.	4. If Amendment, Date of Original Filed (Month/Day/Year)								. Indivine)	Form filed by One Reporting Person Form filed by More than One Reporting					
(City)	(S	tate)	(Zip)												Persor					
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of Security (Instr. 3)				2. Transa Date (Month/I	Execution Date,		3. Transa Code (8)					4 and 5) Securiti Benefic Owned		es ally Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	n: Direct r Indirect istr. 4)	7. Nature of Indirect Beneficial Ownership			
							Code	v	Amount	(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)			
Common	Common Stock			09/02	09/02/2008		09/02/2008		M ⁽¹⁾		10,000	1) A	\$6.	81	10,	10,000		D		
Common Stock				09/02	09/02/2008		09/02/2008		S ⁽²⁾		10,000	2) D	\$18.	112		0		D		
Common Stock															28,713		I		By Trust	
	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)	ivative Conversion Date Execution Date or Exercise (Month/Day/Year) if any		Date,	Code (Inst				6. Date I Expiration (Month/I	on Da				curity Deriv Secu (Insti		9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Date Exercisa	able	Expiration Date	Title	Amour or Number of Shares	er						
Employee Stock Option (right to buy)	\$6.81	09/02/2008	09/02/2	2008	М			10,000	01/02/20	008	01/01/2014	Common Stock	10,00	0	\$0	12,640)	D		

Explanation of Responses:

- 1. The purchase reported on this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on 8-9-08.
- $2. \ The sale\ reported\ on\ this\ Form\ 4\ was\ effected\ pursuant\ to\ a\ Rule\ 10b5-1\ trading\ plan\ adopted\ by\ the\ reporting\ person\ on\ 8-9-08.$

Remarks:

/s/David J. Ecker

09/03/2008

Date

** Signature of Reporting Person

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.