

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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

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

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

1. Name and Address of Reporting Person * <b>ECKER DAVID J</b> _____ (Last) (First) (Middle) <b>C/O ISIS PHARMACEUTICALS, INC.</b> <b>1896 RUTHERFORD ROAD</b> _____ (Street) <b>CARLSBAD CA 92008</b> _____ (City) (State) (Zip)			2. Issuer Name and Ticker or Trading Symbol <b>ISIS PHARMACEUTICALS INC [ ISIS ]</b>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <b>Vice President</b>		
			3. Date of Earliest Transaction (Month/Day/Year) <b>03/20/2006</b>					
			4. If Amendment, Date of Original Filed (Month/Day/Year)					
			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person					

**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	03/20/2006	03/20/2006	M		14,032	A	\$5.15	14,032	D	
Common Stock	03/20/2006	03/20/2006	s <sup>(1)</sup>		5,000 <sup>(1)</sup>	D	\$9.1	9,032	D	
Common Stock	03/20/2006	03/20/2006	s <sup>(1)</sup>		32 <sup>(1)</sup>	D	\$8.52	9,000	D	
Common Stock	03/20/2006	03/20/2006	s <sup>(1)</sup>		4,000 <sup>(1)</sup>	D	\$9	5,000	D	
Common Stock	03/20/2006	03/20/2006	s <sup>(1)</sup>		2,000 <sup>(1)</sup>	D	\$8.92	3,000	D	
Common Stock	03/20/2006	03/20/2006	s <sup>(1)</sup>		1,000 <sup>(1)</sup>	D	\$9.1	2,000	D	
Common Stock	03/20/2006	03/20/2006	s <sup>(1)</sup>		2,000 <sup>(1)</sup>	D	\$9.12	0	D	
Common Stock	03/21/2006	03/21/2006	M		12,756	A	\$5.15	12,756	D	
Common Stock	03/21/2006	03/21/2006	s <sup>(1)</sup>		251 <sup>(1)</sup>	D	\$9.05	12,505	D	
Common Stock	03/21/2006	03/21/2006	s <sup>(1)</sup>		1,411 <sup>(1)</sup>	D	\$9.03	11,094	D	
Common Stock	03/21/2006	03/21/2006	s <sup>(1)</sup>		1,991 <sup>(1)</sup>	D	\$9	9,103	D	
Common Stock	03/21/2006	03/21/2006	s <sup>(1)</sup>		4,901 <sup>(1)</sup>	D	\$9.01	4,202	D	
Common Stock	03/21/2006	03/21/2006	s <sup>(1)</sup>		3,120 <sup>(1)</sup>	D	\$9.06	1,082	D	
Common Stock	03/21/2006	03/21/2006	s <sup>(1)</sup>		482 <sup>(1)</sup>	D	\$9.02	600	D	
Common Stock	03/21/2006	03/21/2006	s <sup>(1)</sup>		600 <sup>(1)</sup>	D	\$9.07	0	D	
Common Stock								40,989	I	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)	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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Employee Stock Option (right to buy)	\$5.15	03/20/2006	03/20/2006	M			14,032	01/01/2006	12/31/2008	Common Stock	14,032	\$0	39,544 <sup>(2)</sup>	D	
Employee Stock Option (right to buy)	\$5.15	03/21/2006	03/21/2006	M			12,756	01/01/2006	12/31/2008	Common Stock	12,756	\$0	26,788 <sup>(2)</sup>	D	

**Explanation of Responses:**

1. The sale reported in this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on 10-3-05

2. Stock option under the Isis Pharmaceuticals, Inc. 2000 Broad-Based Equity Incentive Plan. The option was fully vested as of the date of the reported exercise.

**Remarks:**

/s/David J. Ecker

03/22/2006

\*\* 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.**