FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

OMB Number:	3235-0287						
Estimated average burden							
	0.5						

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

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* STERN ADAM K				<u>I</u>	2. Issuer Name and Ticker or Trading Symbol INVIVO THERAPEUTICS HOLDINGS CORP. [NVIV]						(Che	eck all applic Directo	tionship of Reporting Pe : all applicable) Director Officer (give title below)		on(s) to Issu 10% Ow Other (s	vner
(Last) (First) (Middle) 535 MADISON AVENUE, 12TH FLOOR					3. Date of Earliest Transaction (Month/Day/Year) 12/10/2010										below)	респу
(Street) NEW YORK NY 10022				4	4. If Amendment, Date of Original Filed (Month/Day/Year)					Line	6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting					
(City)	(S	tate)	(Zip)									Person				
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned															
Date			2. Transacti Date (Month/Day	Execution Date,		Code (Instr. 5)				5. Amour Securitie Beneficia Owned F	es Formally (D) (Following (I) (I		m: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
							Code	Amount	(A) or (D)	Price	Transact (Instr. 3 a	ion(s)			1130.4)	
	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)															
Derivative Conversion Date Execution Date, To Courty or Exercise (Month/Day/Year) if any			Code	ansaction of ode (Instr. Derivative		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)	Beneficial Ownership (Instr. 4)		
				Code	· v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares					
Stock Option (right to	\$2.26	12/10/2010		A		50,000		01/10/2011 ⁽¹⁾	12/10/2020	Common Stock	50,000	\$0	50,000)	D	

Explanation of Responses:

1. Option vests in 12 equal monthly installments on each monthly anniversary of the grant date until fully vested on the first anniversary of the grant date. Option not exercisable until the Company's 2010 Equity Incentive Plan is approved by the Company's stockholders and a registration statement on Form S-8 to register shares underlying such option is filed with the Securities and Exchange Commission.

/s/ Adam Stern

12/14/2010

** 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.