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MCCARTHY JOHN A JR Form 3 April 18, 2013 UNITED STATES SECURITIES AND EXCHANGE COMMISSION FORM 3 Washington, D.C. 20549 OMB

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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 Responses)

1. Name and Address of Reporting Person <u>*</u> MCCARTHY JOHN A JR			2. Date of Event RequiringStatement(Month/Day/Year)	3. Issuer Name and Ticker or Trading Symbol INVIVO THERAPEUTICS HOLDINGS CORP. [N		
(Last)	(First)	(Middle)	04/16/2013	4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)	

C/O INVIVO THERAPEUTICS HOLDINGS CORP., ONE KENDALL SQUARE, SUITE B14402

(Street)

CAMBRIDGE, MAÂ 02139

(State)

(City)

(Instr. 4)

1.Title of Security

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

(Zip)

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.

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

(Instr. 4)

1. Title of Derivative Security	2. Date Exercisable and	3. Title and Amount of	4.	5.	6. Nature of Indirect
(Instr. 4)	Expiration Date	Securities Underlying	Conversion	Ownership	Beneficial Ownership
	(Month/Day/Year)	Derivative Security	or Exercise	Form of	(Instr. 5)
		(Instr. 4)	Price of	Derivative	
			Derivative	Security:	

3235-0104 Number: January 31, Expires: 2005 Estimated average burden hours per response... 0.5

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Table I - Non-Derivative Securities Beneficially Owned

10% Owner

_ Other

(Check all applicable)

(give title below) (specify below)

X Director

Officer

2. Amount of Securities 3. Beneficially Owned Ownership Form: Direct (D) or Indirect (I)

4. Nature of Indirect Beneficial Ownership (Instr. 5)

Reporting Person

Person

6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting

Form filed by More than One

SEC 1473 (7-02)

(Instr. 5)

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Date	Expiration	Title	Amount or	Security	Direct (D)
Exercisable	Date		Number of		or Indirect
			Shares		(I)
					(Instr. 5)

Reporting Owners

Reporting Owner Name / Address		Relationships			
	Director	10% Owner	Officer	Other	
MCCARTHY JOHN A JR C/O INVIVO THERAPEUTICS HOLDINGS CORP. ONE KENDALL SQUARE, SUITE B14402 CAMBRIDGE, MA 02139	ÂX	Â	Â	Â	
Signatures					
/S/ ELIZABETH FRASER, AS ATTORNEY IN FACT	04/	18/2013			
**Signature of Reporting Person		Date			
Explanation of Responses:					

No securities are beneficially owned

- * If the form is filed by more than one reporting person, see Instruction 5(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).

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Remarks:

Exhibit 24 - Power of Attorney

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.