

FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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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 ROSENTHAL ARTHUR L		2. Date of Event Requiring Statement (Month/Day/Year) 06/26/2013	3. Issuer Name and Ticker or Trading Symbol Arch Therapeutics, Inc. [ARTH]	
(Last) (First) (Middle) C/O ARCH THERAPEUTICS, INC., ONE BROADWAY, 14TH FLOOR	(Street) CAMBRIDGE, MA 02142		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)	5. If Amendment, Date Original Filed(Month/Day/Year)
(City) (State) (Zip)	6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person			

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	58,400	D	

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

SEC 1473 (7-02)

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)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Stock Options (Right to Buy)	(1)	06/18/2023	Common Stock	500,000	\$ 0.37	D	

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
ROSENTHAL ARTHUR L C/O ARCH THERAPEUTICS, INC. ONE BROADWAY, 14TH FLOOR CAMBRIDGE, MA 02142	X			

Signatures

/s/ Arthur L. Rosenthal	06/26/2013
<small>Signature of Reporting Person</small>	<small>Date</small>

Explanation of Responses:

* 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).

(1) 25% of the shares subject to the option vest on July 1, 2013, 25% of the shares subject to the option vest 12 months after July 1, 2013, and 1/24th of the remaining unvested shares vest monthly thereafter, with all shares underlying the option subject to automatic acceleration of vesting upon a corporate transaction or change in control (as such terms are defined under the Issuer's 2013 Stock Incentive Plan). To the extent vested, the reporting person must exercise the stock option during the 2017 calendar year, unless the Issuer undergoes a corporate transaction or change in control or the reporting person separates from service from the Issuer in a calendar year earlier than 2017, in which case the option must be exercised during such earlier calendar year.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure.

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