

RTI Biologics, Inc.  
Form 3  
February 29, 2008

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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Expires: January 31, 2005  
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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 *			2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Â HENSELER UDO			(Month/Day/Year)	RTI Biologics, Inc. [RTIX]	
(Last)	(First)	(Middle)	02/27/2008	4. Relationship of Reporting Person(s) to Issuer	
2901 SW 117 AVE				(Check all applicable)	
(Street)				<input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner	
DAVIE, Â FL Â 33330				<input type="checkbox"/> Officer <input type="checkbox"/> Other	
(City)	(State)	(Zip)		(give title below) (specify below)	
				5. If Amendment, Date Original Filed(Month/Day/Year)	
				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	0	D	Â

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	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of	

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				Shares		(I) (Instr. 5)	
Option	02/27/2008	06/05/2009	common stock	12,200	\$ 1.76	D	Â
Option	02/27/2008	03/13/2009	common stock	3,050	\$ 4.04	D	Â
Option	02/27/2008	11/06/2016	common stock	14,640	\$ 4.93	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
HENSELER UDO 2901 SW 117 AVE DAVIE, FL 33330	Â X	Â	Â	Â

## Signatures

/s/ Udo Henseler                      02/28/2008  
 \*\*Signature of                      Date  
 Reporting Person

## 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).
- 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.