

SIEGEL HAL N  
Form 5  
February 17, 2009

**FORM 5**

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

OMB APPROVAL  
OMB Number: 3235-0362  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).  
Form 3 Holdings Reported Form 4 Transactions Reported

**ANNUAL STATEMENT OF CHANGES IN 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

1. Name and Address of Reporting Person \*  
SIEGEL HAL N

2. Issuer Name and Ticker or Trading Symbol  
IR BIOSCIENCES HOLDINGS INC  
[IRBS]

5. Relationship of Reporting Person(s) to Issuer  
(Check all applicable)

(Last) (First) (Middle)

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)  
12/31/2008

Director  10% Owner  
 Officer (give title below)  Other (specify below)

7111 EAST MACDONALD DRIVE  
(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Reporting  
(check applicable line)

PARADISE VALLEY, AZ 85253

Form Filed by One Reporting Person  
 Form Filed by More than One Reporting Person

(City) (State) (Zip)

**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) (A) or (D) Price	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 2270 (9-02)

**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	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)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)
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Derivative Security					or Disposed of (D) (Instr. 3, 4, and 5)		Date Exercisable	Expiration Date	Title	Amount or Number of Shares
	(A)	(D)	(A)	(D)						
Warrant to Purchase Common Stock	\$ 0.125	03/12/2005	Â	A4 <u>(2)</u>	3,000	Â	03/12/2005	03/12/2008	Common Stock	3,000
Warrant to Purchase Common Stock	\$ 0.125	03/31/2005	Â	A4 <u>(2)</u>	900	Â	03/31/2005	03/31/2008	Common Stock	900
Warrant to Purchase Common Stock	\$ 0.125	06/30/2005	Â	A4 <u>(2)</u>	9,000	Â	06/30/2005	06/30/2008	Common Stock	9,000
Warrant to Purchase Common Stock	\$ 0.125	09/30/2005	Â	A4 <u>(2)</u>	9,000	Â	09/30/2005	09/30/2008	Common Stock	9,000
Warrant to Purchase Common Stock	\$ 0.125	12/31/2005	Â	A4 <u>(2)</u>	9,000	Â	12/31/2005	12/31/2008	Common Stock	9,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SIEGEL HAL N 7111 EAST MACDONALD DRIVE PARADISE VALLEY, AZ 85253	Â X	Â	Â	Â

## Signatures

Hal N Siegel                      02/17/2009  
 \*\*Signature of                      Date  
 Reporting Person

## Explanation of Responses:

- \* 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).
- (1) Adjusted for 1 for 10 stock split in August 2008.
  - (2) Reported for initial Form 4 reporting purposes only. Warrants have expired.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.