

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**SCHEDULE 13G**

**INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT  
TO RULES 13D-1(b) (c) , AND (d) AND AMENDMENTS FILED  
THERE TO FILED PURSUANT TO RULE 13d-2(b)**

Under the Securities Exchange Act of 1934  
(Amendment No. 2)\*

**Rigel Pharmaceuticals, Inc.**

(Name of Issuer)

**Common Stock**

(Title of Class of Securities)

**766559 10 8**

(CUSIP Number)

**December 31, 2004**

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)  
 Rule 13d-1(c)  
 Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No. 766559 10 8

1. Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only)  
HBM BioVentures (Cayman) Ltd.

2. Check the Appropriate Box if a Member of a Group (See Instructions)

- (a)   
(b)

3. SEC Use Only

4. Citizenship or Place of Organization  
Cayman Islands, British West Indies

5. Sole Voting Power  
425,665

Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person With

6. Shared Voting Power  
0

7. Sole Dispositive Power  
425,665

8. Shared Dispositive Power  
0

9. Aggregate Amount Beneficially Owned by Each Reporting Person  
425,665
- 
10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)
- 
11. Percent of Class Represented by Amount in Row (9)  
2.2%
- 
12. Type of Reporting Person (See Instructions)  
PN
- 

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**Item 1.**

- (a) Name of Issuer  
Rigel Pharmaceuticals, Inc.
- 
- (b) Address of Issuer's Principal Executive Offices  
1180 Veterans Blvd.  
South San Francisco, CA 94080
- 

**Item 2.**

- (a) Name of Person Filing  
HBM BioVentures (Cayman) Ltd.
- 
- (b) Address of Principal Business Office or, if none, Residence  
Centennial Towers, Suite 305  
2454 West Bay Road  
Grand Cayman, Cayman Islands
- 
- (c) Citizenship  
Cayman Islands, British West Indies
- 
- (d) Title of Class of Securities  
Common Stock
- 
- (e) CUSIP Number  
766559 10 8
- 

**Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**

- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
- (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8).
- (e)  An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);
- (h)  A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j)  Group, in accordance with §240.13d-1(b)(1)(ii)(J).

Not applicable.

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**Item 4. Ownership**

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount beneficially owned:  
425,665
-

- 
- (b) Percent of class:  
2.2%
- 
- (c) Number of shares as to which the person has:
- 
- (i) Sole power to vote or to direct the vote  
425,665
- 
- (ii) Shared power to vote or to direct the vote  
0
- 
- (iii) Sole power to dispose or to direct the disposition of  
425,665
- 
- (iv) Shared power to dispose or to direct the disposition of  
0
- 

**Item 5. Ownership of Five Percent or Less of a Class**

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following .

**Item 6. Ownership of More than Five Percent on Behalf of Another Person**

Not applicable.

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person**

Not applicable.

**Item 8. Identification and Classification of Members of the Group**

Not applicable.

**Item 9. Notice of Dissolution of Group**

Not applicable.

**Item 10. Certification**

(a) The following certification shall be included if the statement is filed pursuant to §240.13d-1(b):

Not applicable.

(b) The following certification shall be included if the statement is filed pursuant to §240.13d-1(c):

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

**Signature**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

February 11, 2005

\_\_\_\_\_  
Date

/s/ John Arnold

\_\_\_\_\_  
Signature

John Arnold, Chairman and Managing Director

\_\_\_\_\_  
Name/Title