

SCHEDULE 13G

Amendment No. 3  
RIGEL PHARMACEUTICALS INC  
Common Stock  
Cusip #766559603

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Item 1: Reporting Person - FMR LLC  
Item 4: Delaware  
Item 5: 5,000  
Item 6: 0  
Item 7: 7,613,240  
Item 8: 0  
Item 9: 7,613,240  
Item 11: 14.691%  
Item 12: HC

Cusip #766559603  
Item 1: Reporting Person - Edward C. Johnson 3d  
Item 4: United States of America  
Item 5: 0  
Item 6: 0  
Item 7: 7,613,240  
Item 8: 0  
Item 9: 7,613,240  
Item 11: 14.691%  
Item 12: IN

SCHEDULE 13G - TO BE INCLUDED IN  
STATEMENTS  
FILED PURSUANT TO RULE 13d-1(b) or 13d-2(b)

Item 1(a). Name of Issuer:

RIGEL PHARMACEUTICALS INC

Item 1(b). Name of Issuer's Principal Executive Offices:

1180 Veterans Boulevard  
South San Francisco, CA 94080

Item 2(a). Name of Person Filing:

FMR LLC

Item 2(b). Address or Principal Business Office or, if None,  
Residence:

82 Devonshire Street, Boston,  
Massachusetts 02109

Item 2(c). Citizenship:

Not applicable

Item 2(d). Title of Class of Securities:

Common Stock

Item 2(e). CUSIP Number:

766559603

Item 3. This statement is filed pursuant to Rule 13d-1(b) or 13d-2(b)  
and the person filing, FMR LLC, is a parent holding company  
in accordance with Section 240.13d-1(b)(ii)(G). (Note: See  
Item 7).

Item 4. Ownership

(a) Amount Beneficially Owned: 7,613,240

(b) Percent of Class: 14.691%

(c) Number of shares as to which such

person has:

(i) sole power to vote or to direct  
the vote: 5,000

(ii) shared power to vote or to  
direct the vote: 0

(iii) sole power to dispose or to  
direct the disposition of: 7,613,240

(iv) shared power to dispose or to  
direct the disposition of: 0

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

Not applicable.

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

Various persons have the right to receive or the power to  
direct the receipt of dividends from, or the proceeds from the  
sale of, the Common Stock of RIGEL PHARMACEUTICALS  
INC. The interest of one person, Fidelity Growth Company  
Fund, an investment company registered under the Investment  
Company Act of 1940, in the Common Stock of RIGEL  
PHARMACEUTICALS INC, amounted to 4,983,926 shares  
or 9.617% of the total outstanding Common Stock at  
December 31, 2009.

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

See attached Exhibit A.

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

Not applicable. See attached Exhibit A.

Item 9. Notice of Dissolution of Group.

Not applicable.

Item 10. Certification.

By signing below I certify that, to the best of my knowledge  
and belief, the securities referred to above were acquired in the  
ordinary course of business and were not acquired for the  
purpose of and do not have the effect of changing or  
influencing the control of the issuer of such securities and  
were not acquired in connection with or as a participant in any  
transaction having such 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 12, 2010  
Date

/s/ Scott C. Goebel  
Signature

Scott C. Goebel  
Duly authorized under Power of Attorney  
effective as of June 1, 2008 by and on behalf of FMR LLC  
and its direct and indirect subsidiaries

SCHEDULE 13G - TO BE INCLUDED IN  
STATEMENTS  
FILED PURSUANT TO RULE 13d-1(b) or 13d-2(b)

Pursuant to the instructions in Item 7 of Schedule 13G,  
Fidelity Management & Research Company ("Fidelity"), 82  
Devonshire Street, Boston, Massachusetts 02109, a wholly-

owned subsidiary of FMR LLC and an investment adviser registered under Section 203 of the Investment Advisers Act of 1940, is the beneficial owner of 7,613,240 shares or 14.691% of the Common Stock outstanding of RIGEL PHARMACEUTICALS INC ("the Company") as a result of acting as investment adviser to various investment companies registered under Section 8 of the Investment Company Act of 1940.

The ownership of one investment company, Fidelity Growth Company Fund, amounted to 4,983,926 shares or 9.617% of the Common Stock outstanding. Fidelity Growth Company Fund has its principal business office at 82 Devonshire Street, Boston, Massachusetts 02109.

Edward C. Johnson 3d and FMR LLC, through its control of Fidelity, and the funds each has sole power to dispose of the 7,613,240 shares owned by the Funds.

Members of the family of Edward C. Johnson 3d, Chairman of FMR LLC, are the predominant owners, directly or through trusts, of Series B voting common shares of FMR LLC, representing 49% of the voting power of FMR LLC. The Johnson family group and all other Series B shareholders have entered into a shareholders' voting agreement under which all Series B voting common shares will be voted in accordance with the majority vote of Series B voting common shares. Accordingly, through their ownership of voting common shares and the execution of the shareholders' voting agreement, members of the Johnson family may be deemed, under the Investment Company Act of 1940, to form a controlling group with respect to FMR LLC.

Neither FMR LLC nor Edward C. Johnson 3d, Chairman of FMR LLC, has the sole power to vote or direct the voting of the shares owned directly by the Fidelity Funds, which power resides with the Funds' Boards of Trustees. Fidelity carries out the voting of the shares under written guidelines established by the Funds' Boards of Trustees.

SCHEDULE 13G - TO BE INCLUDED IN STATEMENTS

FILED PURSUANT TO RULE 13d-1(b) or 13d-2(b)  
RULE 13d-1(f)(1) AGREEMENT

The undersigned persons, on February 12, 2010, agree and consent to the joint filing on their behalf of this Schedule 13G in connection with their beneficial ownership of the Common Stock of RIGEL PHARMACEUTICALS INC at December 31, 2009.

FMR LLC

By /s/ Scott C. Goebel  
Scott C. Goebel

Duly authorized under Power of Attorney effective as of June 1, 2008, by and on behalf of FMR LLC and its direct and indirect subsidiaries

Edward C. Johnson 3d

By /s/ Scott C. Goebel  
Scott C. Goebel

Duly authorized under Power of Attorney effective as of June 1, 2008, by and on behalf of Edward C. Johnson 3d

Fidelity Management & Research Company

By /s/ Scott C. Goebel  
Scott C. Goebel  
Senior V.P. and General Counsel

Fidelity Growth Company Fund

By /s/ Scott C. Goebel  
Scott C. Goebel  
Secretary

