

REPLIGEN CORP
Form SC 13G/A
May 20, 2009

SECURITIES AND EXCHANGE COMMISSION
Washington, DC 20549

SCHEDULE 13G/A
(Rule 13d-102)

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

(Amendment No. 5)*
Repligen Corporation

(Name of Issuer)

Common Stock

(Title of Class of Securities)

759916109

(CUSIP Number)

May 15, 2009

(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 on 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 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. 759916109

13G

Page 2 of 12 Pages

- 1** NAME OF REPORTING PERSON:
Biotechnology Value Fund, L.P.
 I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY):
- 2** CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) x
 (b) o
- 3** SEC USE ONLY
- 4** CITIZENSHIP OR PLACE OF ORGANIZATION
Delaware
- | | | | |
|-----------------------|----------|--------------------------|----------------|
| NUMBER OF
SHARES | 5 | SOLE VOTING POWER | 0 |
| BENEFICIALLY
OWNED | 6 | SHARED VOTING POWER | 825,750 |
| BY
EACH | 7 | SOLE DISPOSITIVE POWER | 0 |
| REPORTING
PERSON | 8 | SHARED DISPOSITIVE POWER | 825,750 |
| WITH: | | | |
- 9** AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH
 REPORTING PERSON
825,750
- 10** CHECK IF THE AGGREGATE AMOUNT IN ROW (9)
 EXCLUDES CERTAIN SHARES* o
- 11** PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
2.69%
- 12** TYPE OF REPORTING PERSON*
PN
-

CUSIP No.
759916109

13G

Page 3 of 12 Pages

1 NAME OF REPORTING PERSON:

Biotechnology Value Fund II, L.P.

I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY):

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a)

(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 534,400
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 534,400

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH
REPORTING PERSON

534,400

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9)
EXCLUDES CERTAIN SHARES*

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

1.74%

12 TYPE OF REPORTING PERSON*

PN

CUSIP No.
759916109

13G

Page 4 of 12 Pages

1 NAME OF REPORTING PERSON:

BVF Investments, L.L.C.

I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY):

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a)

(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	5 SOLE VOTING POWER 0 6 SHARED VOTING POWER 1,856,700 7 SOLE DISPOSITIVE POWER 0 8 SHARED DISPOSITIVE POWER 1,856,700
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9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
1,856,700

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

6.05%

12 TYPE OF REPORTING PERSON*

OO

CUSIP No. 759916109

13G

Page 5 of 12 Pages

1 NAME OF REPORTING PERSON:

Investment 10, L.L.C.

I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY):

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a)

(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Illinois

5 SOLE VOTING POWER

0

NUMBER OF
SHARES
BENEFICIALLY &nbs