SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

SCHEDULE 13G

(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)

NUMBER OF SHARES BENEFICIALLY OWNED BY**EACH** REPORTING

0

			(Amendment No. 5) ¹	
	Flamel Technologies, S.A.			
(Name of Issuer)				
			Ordinary Shares	
	(Title of Class of Securities)			
			338488 10 9	
	(CUSIP Number)			
	December 31, 2004			
			(Date of Event Which Requires Filing of this Statemen	t)
Check	the appropriate box to des	ignate the ru	e pursuant to which this Schedule is filed:	
	o Rule 13d-1(b) x Rule 13d-1(c) o Rule 13d-1(d)			
subseq The int	uent amendment containir formation required in the r	ng informations	led out for a reporting person's initial filing on this form with ron which would alter the disclosures provided in a prior cover paths cover page shall not be deemed to be "filed" for purposes of that section of the Act but shall be subject to all other provision.	rge. f Section 18 of the Securities Exchange Act of 193
CI	USIP NO. 338488 10 9	-	13G	Page 2 of 10 Pages
1	NAME OF REPORT Biotechnology Value I.R.S. IDENTIFICAT	Fund, L.P.	N: OF ABOVE PERSONS (ENTITIES ONLY):	
2	CHECK THE APPRO	OPRIATE BO	OX IF A MEMBER OF A GROUP*	(a (b
3	SEC USE ONLY			
4	CITIZENSHIP OR P	LACE OF O	RGANIZATION	
	Delaware			
	NUMBER OF	5	SOLE VOTING POWER 0	
	SHARES BENEFICIALLY OWNED BY	6	SHARED VOTING POWER 661,442	
	EACH	7	SOLE DISPOSITIVE POWER	

	PERSON WITH:	8 SHARED DISPOSITIVE POWER 661,442			
9	AGGREGATE AMOU	JNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	661,442				
10	CHECK IF THE AGO	REGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*	o		
11	PERCENT OF CLASS	ERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
	3.08%				
12	TYPE OF REPORTIN	TYPE OF REPORTING PERSON*			
	PN				
		*SEE INSTRUCTIONS BEFORE FILLING OUT!			
CUSIP NO. 338488 10 9		13G	Page 3 of 10 Pages		
1	NAME OF REPORTIN Biotechnology Value F I.R.S. IDENTIFICATIO				
2	CHECK THE APPROP	RIATE BOX IF A MEMBER OF A GROUP*	(a) x (b) o		
3	SEC USE ONLY				
4	CITIZENSHIP OR PLA	ACE OF ORGANIZATION			
	Dominate	7 SOLE VOTING POWER			
	NUMBER OF SHARES	0			
Е	BENEFICIALLY OWNED	6 SHARED VOTING POWER 775,570			
BY EACH REPORTING PERSON WITH:		7 SOLE DISPOSITIVE POWER 0			
		8 SHARED DISPOSITIVE POWER 775,570			
9	AGGREGATE AMOU	JNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	775,570				
10	CHECK IF THE AGO	REGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*	o		
11	PERCENT OF CLASS	S REPRESENTED BY AMOUNT IN ROW (9)			
	3.62%				
12	TYPE OF REPORTIN	IG PERSON*			
	PN				

${\bf *SEE\ INSTRUCTIONS\ BEFORE\ FILLING\ OUT!}$

	_		
CUSIP NO. 338488 10 9	-	13G	
1 NAME OF REPORT BVF Investments, L I.R.S. IDENTIFICAT		ENTITIES ONLY):	
2 CHECK THE APPRO	PRIATE BOX IF A MEMBER OF A	A GROUP*	(a) x (b) o
3 SEC USE ONLY			
	ACE OF ORGANIZATION		
Delaware			
NUMBER OF	5 SOLE VOTING POV 0	VER	
SHARES BENEFICIALLY OWNED	6 SHARED VOTING I 661,800	POWER	
BY EACH REPORTING PERSON	7 SOLE DISPOSITIVE 0	POWER	
WITH:	8 SHARED DISPOSIT 661,800	IVE POWER	
9 AGGREGATE AM	DUNT BENEFICIALLY OWNED B	Y EACH REPORTING PERSON	
661,800			
10 CHECK IF THE AC	GREGATE AMOUNT IN ROW (9)	EXCLUDES CERTAIN SHARES*	0
11 PERCENT OF CLA	SS REPRESENTED BY AMOUNT	IN ROW (9)	
3.09%			
12 TYPE OF REPORT	ING PERSON*		
00			
	*SEE INSTRU	CTIONS BEFORE FILLING OUT!	
CUSIP NO. 338488 10 9		13G	Page 5 of 10 Pages
1 NAME OF REPORTI	NG PERSON:		
	ION NOS. OF ABOVE PERSONS (I	ENTITIES ONLY):	
2 CHECK THE APPRO	2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*		
3 SEC USE ONLY			

CITIZENSHIP OR PLACE OF ORGANIZATION

Hilliois				
NUMBER OF	5	SOLE VOTING POWER 0		
SHARES BENEFICIALLY OWNED	6	SHARED VOTING POWER 111,620		
BY EACH REPORTING	7	SOLE DISPOSITIVE POWER 0		
PERSON WITH:	8	SHARED DISPOSITIVE POWER 111,620		
9 AGGREGATE A	AMOUNT BENEF	TICIALLY OWNED BY EACH REPORTING PERSON		
111,620				
10 CHECK IF THE	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*			
11 PERCENT OF C	CLASS REPRESE	NTED BY AMOUNT IN ROW (9)		
0.52%				
12 TYPE OF REPO	ORTING PERSON	*		
00				
		*SEE INSTRUCTIONS BEFORE FILLING OUT!		
CUSIP NO. 338488 10 9	<u> </u>	13G	Page 6 of 10 Pages	
1 NAME OF REPO BVF Partners L.I S.S. OR I.R.S. IDI	Р.	: NOS. OF ABOVE PERSONS (ENTITIES ONLY):		
2 CHECK THE API	PROPRIATE BOX	K IF A MEMBER OF A GROUP*	(a) 2 (b) 6	
3 SEC USE ONLY				
4 CITIZENSHIP OF	R PLACE OF ORG	GANIZATION		
Delaware				
NUMBER OF SHARES	5	SOLE VOTING POWER 0		
BENEFICIALLY OWNED BY	6	SHARED VOTING POWER 2,210,432		
EACH REPORTING PERSON	7	SOLE DISPOSITIVE POWER 0		
WITH:	8	SHARED DISPOSITIVE POWER 2,210,432		
9 AGGREGATE A	AMOUNT BENEF	FICIALLY OWNED BY EACH REPORTING PERSON		
2,210,432				
10 CHECK IF THE	AGGREGATE A	MOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*	,	

11	PERCENT OF CLASS	REPRESENTED BY AMOUNT IN ROW (9)	
	10.31% (See Item 2(d)		
12	TYPE OF REPORTING	G PERSON*	
	PN		
		*SEE INSTRUCTIONS BEFORE FILLING OUT!	
CUS	SIP NO. 338488 10 9	13G	Page 7 of 10 Pages
1	NAME OF REPORTING BVF Inc. S.S. OR I.R.S. IDENTIF	G PERSON: ICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY):	
2	CHECK THE APPROPE	(a) x (b) c	
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE	CE OF ORGANIZATION	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON		5 SOLE VOTING POWER 0	
		6 SHARED VOTING POWER 2,210,432	
		7 SOLE DISPOSITIVE POWER 0	
	WITH:	8 SHARED DISPOSITIVE POWER 2,210,432	
9	AGGREGATE AMOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	2,210,432		
10	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
	10.31% (See Item 2(d)))	
12	TYPE OF REPORTING	G PERSON*	
	IA, CO		
		*SEE INSTRUCTIONS BEFORE FILLING OUT!	
CUS	SIP NO. 338488 10 9	13G	Page 8 of 10 Pages
ITEM 1	(a). NAME OF ISSUER:		
Fla	amel Technologies, S.A. ("I	Flamel")	

ITEM 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:

Parc Club Du Moulin A Vent 33 Avenue Du Docteur Georges Levy 69693 Venissieux Cedex France

ITEM 2(a). NAME OF PERSON FILING:

This Amendment to Schedule 13G is being filed on behalf of the following persons (the "Reporting Persons"):

- (i) Biotechnology Value Fund, L.P. ("BVF")
- (ii) Biotechnology Value Fund II, L.P. ("BVF2")
- (iii) BVF Investments, L.L.C. ("Investments")
- (iv) Investment 10, L.L.C. ("ILL10")
- (v) BVF Partners L.P. ("Partners")
- (vi) BVF Inc. ("BVF Inc.")

ITEM 2(b). ADDRESS OF PRINCIPAL BUSINESS OFFICE:

The principal business office of the Reporting Persons comprising the group filing this Amendment to Schedule 13G is located at 227 West Monroe Street, Suite 4800, Chicago, Illinois, 60606.

ITEM 2(c). CITIZENSHIP:

BVF:

BVF2:

a Delaware limited partnership
a Delaware limited partnership
a Delaware limited liability company
ILL10:

an Illinois limited liability company
Partners:

a Delaware limited partnership
BVF Inc.:

a Delaware corporation

ITEM 2(d). TITLE OF CLASS OF SECURITIES:

This Amendment to Schedule 13G is being filed with respect to the French Ordinary Shares represented by American Depositary Shares ("Ordinary Shares") of Flamel. The Reporting Persons' percentage ownership of Ordinary Shares is based on 21,446,590 shares being outstanding, as advised by Flamel, and the ownership of 400,000 warrants (the "Warrants") by the Reporting Persons to purchase an equivalent number of Ordinary Shares.

On October 28, 2004, the Reporting Persons acquired greater than ten percent of the Ordinary Shares of Flamel.

As of December 31, 2004, (i) BVF beneficially owned 661,442 Ordinary Shares, of which 120,000 shares are attributable to Warrants; (ii) BVF2 beneficially owned 775,570 Ordinary Shares, of which 260,000 shares are attributable to Warrants; (iii) Investments beneficially owned 661,800 Ordinary Shares, none of which are attributable to Warrants; and (iv) ILL10 beneficially owned 111,620 Ordinary Shares, of which 20,000 shares are attributable to Warrants.

ITEM 2(e). CUSIP Number:

338488 10 9

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ITEM 3. IF THIS STATEMENT IS FILED PURSUANT TO RULE 13d-1(b), or 13d-2(b) or (c) CHECK WHETHER THE PERSON FILING IS: One of the following

Not applicable as this Amendment to Schedule 13G is filed pursuant to Rule 13d-1(c).

ITEM 4. OWNERSHIP:

The information in items 1 and 5 through 11 on the cover pages (pp. 2 - 7) on this Amendment to Schedule 13G is hereby incorporated by reference.

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 Persons have ceased to be the beneficial owner of more than five percent of the class of securities check the following. o

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON:

BVF shares voting and dispositive power over the Ordinary Shares it beneficially owns with Partners. BVF2 also shares voting and dispositive power over the Ordinary Shares it beneficially owns with Partners. Investments also shares voting and dispositive power over the Ordinary Shares it beneficially owns with Partners. Pursuant to the operating agreement of Investments, Partners is authorized, among other things, to invest the funds of Ziff Asset Management, L.P., the majority member of Investments, in Ordinary Shares Investments beneficially owns and to vote and exercise dispositive power over those Ordinary Shares. Partners and BVF Inc. share voting and dispositive power over the Ordinary Shares beneficially owned by BVF, BVF2, Investments and those owned by ILL10, on whose behalf Partners acts as investment manager and, accordingly, Partners and BVF Inc. have beneficial ownership of all of the Ordinary Shares owned by such parties.

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY:

Not applicable.

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF A GROUP:

Not applicable.

ITEM 9. NOTICE OF DISSOLUTION OF GROUP:

Not applicable.

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ITEM 10. CERTIFICATION

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.

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.

Dated: February 14, 2005

BIOTECHNOLOGY VALUE FUND, L.P.

By: BVF Partners L.P., its general partner

By: BVF Inc., its general partner

By: /s/ MARK N. LAMPERT

Mark N. Lampert President

BIOTECHNOLOGY VALUE FUND II, L.P.

By: BVF Partners L.P., its general partner

By: BVF Inc., its general partner

By: /s/ MARK N. LAMPERT

Mark N. Lampert President

BVF INVESTMENTS, L.L.C.

By: BVF Partners L.P., its manager

By: BVF Inc., its general partner

By: /s/ MARK N. LAMPERT

Mark N. Lampert President

INVESTMENT 10, L.L.C.

By: BVF Partners L.P., attorney-in-fact

By: BVF Inc., its general partner

By: /s/ MARK N. LAMPERT

Mark N. Lampert President

BVF PARTNERS L.P.

By: BVF Inc., its general partner

By: /s/ MARK N. LAMPERT

Mark N. Lampert
President

BVF INC.

By: /s/ MARK N. LAMPERT

Mark N. Lampert

President