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)

(Amendment No. 1)¹

Atherogenics, Inc.
(Name of Issuer)
Common Stock
(Title of Class of Securities)
047439 10 4
(CUSIP Number)
February 14, 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:

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

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*).

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-		

1 NAME OF REPORTING PERSON:

Biotechnology Value Fund, L.P.

 $I.R.S.\ IDENTIFICATION\ NO.\ OF\ ABOVE\ PERSON\ (ENTITIES\ ONLY):$

¹ 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 disclosures provided in a prior cover page.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*			(a) ý (b) o
3 SEC USE	ONLY		
4 CITIZEN	SHIP OR PLACE O	F ORGANIZATION	
Delaware	;		
NUMBER C SHARES	5 DF	SOLE VOTING POWER 0	
BENEFICIAL OWNED BY	LY 6	SHARED VOTING POWER 23,148	
EACH REPORTIN PERSON	7 	SOLE DISPOSITIVE POWER 0	
WITH:			
9 AGGRE	GATE AMOUNT E	SENEFICIALLY OWNED BY EACH REPORTING PERSON	
23,148			
10 CHECK	BOX IF THE AGG	REGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*	0
11 PERCE	NT OF CLASS REP	RESENTED BY AMOUNT IN ROW (9)	
0.06%			
12 TYPE C	F REPORTING PE	RSON*	
PN			
		*SEE INSTRUCTIONS BEFORE FILLING OUT!	
CUSIP NO. 0474	139 10 4	13G	Page 3 of 10 Pages
Biotechne	F REPORTING PEI blogy Value Fund I ENTIFICATION NO		
2 CHECK	ΓΗΕ APPROPRIAT	E BOX IF A MEMBER OF A GROUP*	(a) ý (b) o

3 SEC USE ONLY		
4 CITIZENSHIP C	OR PLACE OF ORGANIZATION	
Delaware		
NUMBER OF SHARES	5 SOLE VOTING POWER 0	
BENEFICIALLY OWNED BY	6 SHARED VOTING POWER 44,938	
EACH REPORTING PERSON	7 SOLE DISPOSITIVE POWER 0	
WITH:	8 SHARED DISPOSITIVE POWER 44,938	
9 AGGREGATE 44,938	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10 CHECK BOX I	F THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*	C
11 PERCENT OF 0.12%	CLASS REPRESENTED BY AMOUNT IN ROW (9)	
12 TYPE OF REPO	ORTING PERSON*	
	*SEE INSTRUCTIONS BEFORE FILLING OUT!	
CUSIP NO. 047439 10 4	13G	Page 4 of 10 Pages
BVF Investment	ORTING PERSON: ts, L.L.C. CATION NO. OF ABOVE PERSON (ENTITIES ONLY):	
2 CHECK THE AR	PPROPRIATE BOX IF A MEMBER OF A GROUP*	(a) ý (b) c
2 CHECK THE AR	PPROPRIATE BOX IF A MEMBER OF A GROUP*	

SEC USE ONLY

4	CITIZENSHIP OR PI	LACE C	OF ORGANIZATION		
	Delaware				
NUMBER OF SHARES		5	SOLE VOTING POWER 0		
BE	NEFICIALLY OWNED BY	6	SHARED VOTING POWER 7,000		
R	EACH EPORTING PERSON	7	SOLE DISPOSITIVE POWER 0		
	WITH:	8	SHARED DISPOSITIVE POWER 7,000		
9	AGGREGATE AMO	OUNT I	BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	7,000				
10	CHECK BOX IF TH	HE AGO	GREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*		
11	PERCENT OF CLA	SS REF	PRESENTED BY AMOUNT IN ROW (9)		
	0.02%				
12	2 TYPE OF REPORTING PERSON*				
	00				
			*SEE INSTRUCTIONS BEFORE FILLING OUT!		
CUSI	P NO. 047439 10 4		120	Page 5 of 10 Pages	
			13G	Tage Unit Tages	
1	NAME OF REPORTI Investment 10, L.L.O I.R.S. IDENTIFICAT	C.	RSON: D. OF ABOVE PERSON (ENTITIES ONLY):		
2	CHECK THE APPRO	OPRIAT	E BOX IF A MEMBER OF A GROUP*	(a) y (b) (
3	SEC USE ONLY				

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

	Illinois			
Ν	NUMBER OF SHARES	5	SOLE VOTING POWER 0	
BE	ENEFICIALLY OWNED BY	6	SHARED VOTING POWER 31,242	
I	EACH REPORTING PERSON	7	SOLE DISPOSITIVE POWER 0	
	WITH:	8	SHARED DISPOSITIVE POWER 31,242	
9	AGGREGATE AMO	OUNT BI	ENEFICIALLY OWNED BY EACH REPORTING PERSON	
	31,242			
10	CHECK BOX IF TH	E AGGF	REGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*	0
11	PERCENT OF CLAS	SS REPR	RESENTED BY AMOUNT IN ROW (9)	
12	TYPE OF REPORTI	NG PER	SON*	
	00			
			*SEE INSTRUCTIONS BEFORE FILLING OUT!	
CUSI	IP NO. 047439 10 4		13G	Page 6 of 10 Pages
1	NAME OF REPORTI BVF Partners L.P. I.R.S. IDENTIFICATI		SON: OF ABOVE PERSON (ENTITIES ONLY):	
2	CHECK THE APPRO	PRIATE	BOX IF A MEMBER OF A GROUP*	(a) ý (b) o
3	SEC USE ONLY			
4	CITIZENSHIP OR PL	LACE OF	FORGANIZATION	

	BER OF RES	5	SOLE VOTING POWER 0	
BENEFI OW:	CIALLY NED	6	SHARED VOTING POWER 106,328	
EACH 7 SOLE DIS REPORTING 0 PERSON			SOLE DISPOSITIVE POWER 0	
	TH:	8	SHARED DISPOSITIVE POWER 106,328	
		UNT B	ENEFICIALLY OWNED BY EACH REPORTING PERSON	
10	6,328			
10 CF	HECK BOX IF THE	E AGGI	REGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*	
11 PE	RCENT OF CLASS	S REPF	RESENTED BY AMOUNT IN ROW (9)	
0.2	29%			
12 TY	PE OF REPORTIN	NG PER	RSON*	
PN	1			
			*SEE INSTRUCTIONS BEFORE FILLING OUT!	
				,
CUSIP No.	. 047439 10 4		13G	Page 7 of 10 Pages
1 NAI	ME OF REPORTIN	IG PER	SON:	
BVI	F Inc.			
I.R.	S. IDENTIFICATIO	ON NO	. OF ABOVE PERSON (ENTITIES ONLY):	
2 CHI	ECK THE APPROP	PRIATE	E BOX IF A MEMBER OF A GROUP*	(a) (b)
3 SEC	CUSE ONLY			
4 CIT	IZENSHIP OR PLA	ACE OF	FORGANIZATION	
Dela	aware			
NUME	BER OF	5	SOLE VOTING POWER 0	

SHARES					
BENEFICIALLY OWNED BY	6 SHARI 106,32	ED VOTING POWER 28			
EACH REPORTING PERSON	7 SOLE 0				
WITH:	8 SHARI 106,32	EED DISPOSITIVE POWER			
9 AGGREGATE AMO	OUNT BENEFICI	IALLY OWNED BY EACH REPORTING PERSON			
106,328					
10 CHECK BOX IF TH	IE AGGREGATE	E AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARE	SS* o		
11 PERCENT OF CLAS	11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
0.29%					
12 TYPE OF REPORTI	12 TYPE OF REPORTING PERSON*				
со	co				
	*SEI	E INSTRUCTIONS BEFORE FILLING OUT!			
CUSIP No. 047439 10 4		13G	Page 8 of 10 Pages		
		130			
ITEM 1(a). NAME OF ISSUE	ZR:				
Atherogenics Inc. ("Ather	rogenics")				

Atherogenics, Inc. ("Atherogenics")

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

8995 Westside Parkway Alpharetta, Georgia 30004

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: a Delaware limited partnership
BVF2: a Delaware limited partnership
Investments: 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 common stock, no par value per share (the "Common Stock"), of Atherogenics. The Reporting Persons' percentage ownership of the Common Stock is based on 36,533,448 shares of the Common Stock being outstanding

ITEM 2(e). CUSIP Number:

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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 - 8) 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. \acute{y}

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

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 shares of the Common Stock beneficially owned by Investments and to vote and exercise dispositive power over those shares of the Common Stock. Partners and BVF Inc. share voting and dispositive power over the shares of the Common Stock 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 shares of the Common Stock 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 4, 2004

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., its attorney-in-fact

By: BVF Inc., its general partner

By: /s/ MARK N. LAMPERT

Mark N. Lampert President

BVF PARTNERS L.P.

By: BVF Partners Inc., its general partner

By: /s/ MARK N. LAMPERT

Mark N. Lampert President

BVF INC.

By: /s/ MARK N. LAMPERT

Mark N. Lampert President