ADVANCED MAGNETICS INC Form SC 13G March 01, 2007

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G

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

ADVANCED MAGNETICS, INC.

(Name of Issuer)

Common Stock, Par Value \$.01 Per Share

(Title of Class of Securities)

00753P103
-----(CUSIP Number)

(Date of Event which Requires Filing of this Statement)

February 23, 2007

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

[] Rule 13d-1(b) [X] 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 ("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).

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1	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON					
	S.A.C. Capital Advisors, LLC					
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) [] (b) [X]					
3	SEC USE ONLY					
4	CITIZENSHIP OR PLACE OF ORGANIZATION					
	Delaware					
		5	SOLE VOTING POWER			
			0			
	LY OWNED	6	SHARED VOTING POWER			
NUMBER OF BENEFICIAL			356,000 (see Item 4)			
BY EACH RE PERSON WIT		7	SOLE DISPOSITIVE POWER			
			0			
		8	SHARED DISPOSITIVE POWER			
			356,000 (see Item 4)			
9	AGGREGATE A	MOUNT	BENEFICIALLY OWNED BY EACH	REPORTING PERSON		
	356,000 (see Item 4)					
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES					
	[]					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
2.5% (see Item 4)						
12	TYPE OF REPORTING PERSON*					
	00					
	*SEE INSTRUCTION BEFORE FILLING OUT					
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CUSIP No.	00753P103 		13G 	Page 3 of 10 Pages		
 1	NAME OF REP	ORTIN	 G PERSON			
	~_ 1_1					

2

	I.R.S. IDENTIFICATION NO. OF ABOVE PERSON					
	S.A.C. Capital Management, LLC					
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) [] (b) [X]					
3	SEC USE ONLY					
4	4 CITIZENSHIP OR PLACE OF ORGANIZATION					
	Delaware					
		5	SOLE VOTING POWER			
			0			
NUMBER OF	CHVDEC	6	SHARED VOTING POWER			
BENEFICIAL BY EACH RE	LY OWNED		356,000 (see Item 4)			
PERSON WITH		7	SOLE DISPOSITIVE POWER			
			0			
		8	SHARED DISPOSITIVE POWER			
			356,000 (see Item 4)			
9	AGGREGATE A	MOUNT	BENEFICIALLY OWNED BY EACH	REPORTING PERSON		
	356,000 (se	e Ite	n 4)			
10	CHECK BOX I	F THE	AGGREGATE AMOUNT IN ROW (9)	EXCLUDES CERTAIN SHARES		
	[]					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
	2.5% (see Item 4)					
12						
	00					
		*SEE	INSTRUCTION BEFORE FILLING	TUC		
			Page 3 of 10			
CUSTP No.	 00753P103		 13G	Page 4 of 10 Pages		
	NAME OF REP	ORTIN	G PERSON			
_	I.R.S. IDENTIFICATION NO. OF ABOVE PERSON					
	Sigma Capital Management, LLC					

Z	CHECK THE APPRO	PRIAIE BO	X IF A MEMBER ((a) [] (b) [X]	
3	SEC USE ONLY					
4	CITIZENSHIP OR PLACE OF ORGANIZATION					
	Delaware					
		SOLE VO	TING POWER			
		0				
		SHARED	VOTING POWER			
NUMBER OF : BENEFICIAL: BY EACH REI PERSON WIT	LY OWNED	355,000	355,000 (see Item 4)			
		7 SOLE DI	SPOSITIVE POWER			
		0				
		SHARED	DISPOSITIVE POW	======== ER		
		355,000	355,000 (see Item 4)			
9	AGGREGATE AMOUN	T BENEFIC	IALLY OWNED BY	EACH REPORTING	PERSON	
	355,000 (see Item 4)					
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN S				CERTAIN SHARES		
	[]					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
2.5% (see Item 4)						
12	12 TYPE OF REPORTING PERSON*					
00						
	*SI	EE INSTRUC	TION BEFORE FII	LING OUT		
		Р	age 4 of 10			
CUSTP No	00753P103		13G		 of 10 Pages	
			130			
 1	NAME OF REPORT	NG PERSON				
-	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON					
	Steven A. Coher	n 				
2	CHECK THE APPRO	PRIATE BO	X IF A MEMBER ((a) []	
					(a) [X]	

3	SEC USE ONLY					
4	CITIZENSHIP OR PLACE OF ORGANIZATION					
	United States					
		5	SOLE VOTING POWER			
			0			
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH		6	SHARED VOTING POWER			
			711,000 (see Item 4)			
			SOLE DISPOSITIVE POWER			
			0			
		8	SHARED DISPOSITIVE POWER			
			711,000 (see Item 4)			
9	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	711,000 (s	see Iter	n 4)			
10	CHECK BOX	IF THE	AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
	[]					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
	5.0% (see Item 4)					
12	TYPE OF REPORTING PERSON*					
	IN					
	*SEE INSTRUCTION BEFORE FILLING OUT					
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Item 1(a) Name of Issuer:						
	7					
Advanced Magnetics, Inc. Item 1(h) Address of Issuer's Princ						
Item 1(b) Address of Issuer's Principal Executive Offices:						
		125 CambridgePark Drive, 6th Floor, Cambridge, Massachusetts 02140				
Items 2(a)						
2 (4)	-					
		This statement is filed by: (i) S.A.C. Capital Advisors, LLC, ("SAC Capital Advisors") with respect to shares of				

common stock, par value \$.01 per share ("Shares"), of the Issuer beneficially owned by S.A.C. Capital Associates, LLC ("SAC Capital Associates"); (ii) S.A.C. Capital Management, LLC, ("SAC Capital Management") with respect to Shares beneficially owned by SAC Capital Associates; (iii) Sigma Capital Management, LLC ("Sigma Management") with respect to Shares beneficially owned by Sigma Capital Associates, LLC ("Sigma Capital Associates, LLC ("Sigma Capital Associates"); and (iv) Steven A. Cohen with respect to Shares beneficially owned by SAC Capital Advisors, SAC Capital Management, SAC Capital Associates, Sigma Management and Sigma Capital Associates.

SAC Capital Advisors, SAC Capital Management, Sigma Management and Steven A. Cohen have entered into a Joint Filing Agreement, a copy of which is filed with this Schedule 13G as Exhibit 99.1, pursuant to which they have agreed to file this Schedule 13G jointly in accordance with the provisions of Rule 13d-1(k) of the Securities Exchange Act of 1934, as amended.

Item 2(b) Address of Principal Business Office:

The address of the principal business office of (i) SAC Capital Advisors and Mr. Cohen is 72 Cummings Point Road, Stamford, Connecticut 06902 and (ii) SAC Capital Management and Sigma Management is 540 Madison Avenue, New York, New York 10022.

Item 2(c) Citizenship:

SAC Capital Advisors, SAC Capital Management and Sigma Management are Delaware limited liability companies. Mr. Cohen is a United States citizen.

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Item 2(d) Title of Class of Securities:

Common Stock, par value \$.01 per share

00753P103

Item 3 Not Applicable

The percentages used herein are calculated based upon the Shares issued and outstanding as of February 1, 2007 as reported on the Issuer's quarterly report on Form 10-Q filed with the Securities and Exchange Commission by the Issuer for the quarterly period ended December 31, 2006.

As of the close of business on February 23, 2007:

- 1. S.A.C. Capital Advisors, LLC
- (a) Amount beneficially owned: 356,000
- (b) Percent of class: 2.5%
- (c) (i) Sole power to vote or direct the vote: -0-
- (ii) Shared power to vote or direct the vote: 356,000
- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 356,000
- 2. S.A.C. Capital Management, LLC
- (a) Amount beneficially owned: 356,000
- (b) Percent of class: 2.5%
- (c)(i) Sole power to vote or direct the vote: -0-
- (ii) Shared power to vote or direct the vote: 356,000
- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 356,000
- 3. Sigma Capital Management, LLC
- (a) Amount beneficially owned: 355,000
- (b) Percent of class: 2.5%
- (c)(i) Sole power to vote or direct the vote: -0-
- (ii) Shared power to vote or direct the vote: 355,000
- (iii) Sole power to dispose or direct the disposition: -0-

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- (iv) Shared power to dispose or direct the disposition: 355,000
- 4. Steven A. Cohen
- (a) Amount beneficially owned: 711,000
- (b) Percent of class: 5.0%
- (c)(i) Sole power to vote or direct the vote: -0-
- (ii) Shared power to vote or direct the vote: 711,000
- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 711,000

SAC Capital Advisors, SAC Capital Management, Sigma Management and Mr. Cohen own directly no Shares. Pursuant to investment management agreements, each of SAC Capital Advisors and SAC Capital Management share all investment and voting power with respect to the securities held by SAC Capital Associates. Pursuant to an investment management agreement, Sigma Management maintains investment and voting power with respect to the securities held by Sigma Capital Associates. Mr. Cohen controls each of SAC Capital Advisors, SAC Capital Management and Sigma Management. By reason of the provisions of Rule 13d-3 of the Securities Exchange Act of 1934, as amended, each of (i) SAC Capital Advisors, SAC Capital Management and Mr. Cohen may be deemed to own beneficially 356,000 Shares (constituting approximately 2.5% of the Shares outstanding) and (ii) Sigma Management and Mr. Cohen may be deemed to own beneficially 355,000 Shares (constituting approximately 2.5% of the Shares outstanding). Each of SAC Capital Advisors, SAC Capital Management, Sigma Management and Mr. Cohen disclaim beneficial ownership of any of the securities covered by this statement.

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

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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 the Group:

Not Applicable

Item 9 Notice of Dissolution of Group:

Not Applicable

Item 10 Certification:

By signing below the signatory certifies that, to the best of his 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.

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SIGNATURE

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

Dated: March 1, 2007

S.A.C. CAPITAL ADVISORS, LLC

By: /s/ Peter Nussbaum

Name: Peter Nussbaum
Title: Authorized Person

S.A.C. CAPITAL MANAGEMENT, LLC

By: /s/ Peter Nussbaum

Name: Peter Nussbaum Title: Authorized Person

SIGMA CAPITAL MANAGEMENT, LLC

By: /s/ Peter Nussbaum

Name: Peter Nussbaum Title: Authorized Person

STEVEN A. COHEN

By: /s/ Peter Nussbaum

Name: Peter Nussbaum Title: Authorized Person

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