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

# SCHEDULE 13G

# (Rule 13d-102)

# Information Statement Pursuant to Rules 13d-1 and 13d-2 Under the Securities Exchange Act of 1934 (Amendment No. \_\_\_)\*

Accuray Incorporated

(Name of Issuer)

Common stock, par value \$0.001 per share (Title of Class of Securities)

004397105

(CUSIP Number)

August 19, 2013

Date of Event Which Requires Filing of the Statement

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

o Rule 13d-1(b)

⊠ Rule 13d-1(c)

o 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 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).

Cusip No. 004397105		13G		Page 2 of 10 Pages	
1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Citadel Advisors LLC				
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) o (b) o				
3.	SEC USE ONLY				
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware				
	NUMBER OF	NUMBER OF     5.     SOLE VOTING POWER       0     0			
	SHARES BENEFICIALLY OWNED BY EACH	6.	SHARED VOTING POWER 4,062,688 shares		
	REPORTING PERSON WITH	7.	SOLE DISPOSITIVE POWER		
		8.	SHARED DISPOSITIVE POWER See Row 6 above		
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON See Row 6 above				
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	<b>5.2%</b> <sup>1</sup>				
12.	TYPE OF REPORTING PERSON IA; OO; HC				

<sup>&</sup>lt;sup>1</sup> The percentages reported in this Schedule 13G are based upon 78,178,559.95 shares of common stock outstanding (composed of (i) 74,115,872 shares of common stock outstanding as of April 30, 2013 (according to the Form 10-Q filed by the issuer with the Securities and Exchange Commission on May 9, 2013) and (ii) 4,062,687.95 shares issuable upon the conversion of certain convertible notes held by the Reporting Persons).

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1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Citadel Advisors Holdings LP					
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b) (c)					
3.	SEC USE ONLY					
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware					
	NUMBER OF	5.	SOLE VOTING POWER			
	SHARES BENEFICIALLY OWNED BY EACH REPORTING	6.	SHARED VOTING POWER 4,062,688 shares			
	PERSON WITH	7.	SOLE DISPOSITIVE POWER			
		8.	SHARED DISPOSITIVE POWER See Row 6 above			
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON See Row 6 above					
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES					
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.2%					
12.	TYPE OF REPORTING PERSON PN; HC					

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1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON				
	Citadel GP LLC				
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		SOLE VOTING POWER 0		
			SHARED VOTING POWER 4.080,888 shares		
			SOLE DISPOSITIVE POWER 0		
			SHARED DISPOSITIVE POWER See Row 6 above.		
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON See Row 6 above.				
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
12.	5.2% TYPE OF REPORTING PERSON OO; HC				

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1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Kenneth Griffin					
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b) (c)					
3.	SEC USE ONLY					
4.	CITIZENSHIP OR PLACE OF ORGANIZATION U.S. Citizen					
	NUMBER OF	NUMBER OF     5.     SOLE VOTING POWER       0     0				
	SHARES BENEFICIALLY OWNED BY EACH REPORTING		SHARED VOTING POWER 4,080,888 shares			
	PERSON WITH					
		8. SHARED DISPOSITIVE POWER See Row 6 above				
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON See Row 6 above					
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES					
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
12.	5.2% TYPE OF REPORTING PERSON					
	IN; HC					

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# Item 1(a) Name of Issuer Accuray Incorporated

# Item 1(b) Address of Issuer's Principal Executive Offices 1310 Chesapeake Terrace Sunnyvale, California 94089

# Item 2(a) Name of Person Filing

This Schedule 13G is being jointly filed by Citadel Advisors LLC ("Citadel Advisors"), Citadel Advisors Holdings LP ("CAH"), Citadel GP LLC ("CGP"; f/k/a Citadel Investment Group II, L.L.C.) and Mr. Kenneth Griffin (collectively with Citadel Advisors, CAH and CGP, the "Reporting Persons") with respect to shares of common stock (and options to purchase and/or other securities convertible into common stock) of the above-named issuer owned by Citadel Equity Fund Ltd., a Cayman Islands limited company ("CEF"), and Citadel Securities LLC, a Delaware limited liability company ("Citadel Securities").

Citadel Advisors is the portfolio manager for CEF. CAH is the managing member of Citadel Advisors. CALC III LP, a Delaware limited partnership ("CALC3"), is the non-member manager of Citadel Securities. CGP is the general partner of CALC3 and CAH. Mr. Griffin is the President and Chief Executive Officer of, and owns a controlling interest in, CGP.

The filing of this statement shall not be construed as an admission that any of the Reporting Persons is the beneficial owner of any securities covered by the statement other than the securities actually owned by such person (if any).

# Item 2(b) Address of Principal Business Office

The address of the principal business office of each of the Reporting Persons is c/o Citadel LLC, 131 S. Dearborn Street, 32nd Floor, Chicago, Illinois 60603.

#### Item 2(c) Citizenship

Each of Citadel Advisors and CGP is organized as a limited liability company under the laws of the State of Delaware. CAH is organized as a limited partnership under the laws of the State of Delaware. Mr. Griffin is a U.S. citizen.

## Item 2(d) Title of Class of Securities

Common stock, \$0.001 par value

Item 2(e) CUSIP Number 004397105

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Item 3	If	this stat	tement is	filed J	pursuant to Rules 13d-1(b), or 13d-2(b) or	(c), check whethe	er the person filing is a:		
	(a)	) 0	Br	roker o	or dealer registered under Section 15 of the E	Exchange Act;			
	(b)	) 0	Ba	ank as	defined in Section 3(a)(6) of the Exchange A	ction 3(a)(6) of the Exchange Act;			
	(c)	) 0	In	isuranc	e company as defined in Section 3(a)(19) of	on 3(a)(19) of the Exchange Act;			
	(d)	) 0	In	ivestm	ent company registered under Section 8 of th	e Investment Com	pany Act;		
	(e)	) 0	Aı	n inve	stment adviser in accordance with Rule 13d-	1(b)(1)(ii)(E);			
	(f)	0	Aı	n emp	loyee benefit plan or endowment fund in acc	ordance with Rule	13d-1(b)(1)(ii)(F);		
	(g)	) 0	А	paren	t holding company or control person in accor	rdance with Rule 1	3d-1(b)(1)(ii)(G);		
	(h)	) 0	А	savin	gs association as defined in Section 3(b) of th	ne Federal Deposit	Insurance Act;		
	(i)	0		A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of Company Act;					
	(j)	0	Gı	Group, in accordance with Rule 13d-1(b)(1)(ii)(J).					
	If filing as a non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J), please specify the type of institution:								
Item 4	0	wnershi	р						
	A.	C	Citadel Advisors LLC						
		(ä	a) Ci	itadel .	Advisors may be deemed to beneficially owr	n 4,062,688 shares	of Common Stock.		
		(t		The number of shares Citadel Advisors may be deemed to beneficially own constitutes approximately 5.2% of the Common Stock outstanding.					
		(0	c) Ni	umber	of shares as to which such person has:				
			(i)	)	sole power to vote or to direct the vote: 0				
			(ii	i)	shared power to vote or to direct the vote: 4	,062,688			
			(ii	ii)	sole power to dispose or to direct the dispos	sition of: 0			
			(iv	v)	shared power to dispose or to direct the disp	position of: 4,062,6	588		

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- (a) CAH may be deemed to beneficially own 4,062,688 shares of Common Stock.
- (b) The number of shares CAH may be deemed to beneficially own constitutes approximately 5.2% of the Common Stock outstanding.
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 4,062,688
  - (iii) sole power to dispose or to direct the disposition of: 0
  - (iv) shared power to dispose or to direct the disposition of: 4,062,688
- C. Citadel GP LLC and Kenneth Griffin
  - (a) CGP and Griffin may be deemed to beneficially own 4,080,888 shares of Common Stock.
  - (b) The number of shares CGP and Griffin may be deemed to beneficially own constitutes approximately 5.2% of the Common Stock outstanding.
  - (c) Number of shares as to which such person has:
    - (i) sole power to vote or to direct the vote: 0
    - (ii) shared power to vote or to direct the vote: 4,080,888
    - (iii) sole power to dispose or to direct the disposition of: 0
    - (iv) shared power to dispose or to direct the disposition of: 4,080,888

# Item 5Ownership of Five Percent or Less of a Class<br/>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<br/>than 5 percent of the class of securities, check the following o.Item 6Ownership of More than Five Percent on Behalf of Another Person<br/>Not Applicable

- Item 7Identification and Classification of the Subsidiary which Acquired the Security Being Reported on by the Parent Holding Company<br/>See Item 2 above
- Item 8
   Identification and Classification of Members of the Group

   Not Applicable

CUSIP NO.	004397105
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# 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 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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After reasonable inquiry and to the best of its knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

Dated this 27th day of August, 2013.

# CITADEL ADVISORS LLC

- By: Citadel Advisors Holdings LP, its Managing Member
- By: Citadel GP LLC, its General Partner
- By: /s/ Mark Polemeni Mark Polemeni, Authorized Signatory

# CITADEL ADVISORS HOLDINGS LP

- By: Citadel GP LLC, its General Partner
- By: /s/ Mark Polemeni Mark Polemeni, Authorized Signatory

# CITADEL GP LLC

# By: /s/ Mark Polemeni Mark Polemeni, Authorized Signatory

# KENNETH GRIFFIN

By: /s/ Mark Polemeni

Mark Polemeni, attorney-in-fact<sup>\*</sup>

\* Mark Polemeni is signing on behalf of Kenneth Griffin as attorney-in-fact pursuant to a power of attorney previously filed with the Securities and Exchange Commission on January 18, 2013, and hereby incorporated by reference herein. The power of attorney was filed as an attachment to a filing by Citadel Advisors LLC on Schedule 13G for TiVo Inc.

# JOINT FILING AGREEMENT

The undersigned hereby agree that the Statement on Schedule 13G filed herewith (and any amendments thereto), relating to the Common Stock of Accuray Incorporated, a Delaware corporation, is being filed jointly with the Securities and Exchange Commission pursuant to Rule 13d-1(c) under the Securities Exchange Act of 1934, as amended, on behalf of each of the undersigned.

This Agreement may be executed in counterparts and each of such counterparts taken together shall constitute one and the same instrument.

Dated this 27th day of August, 2013.

# CITADEL ADVISORS LLC

- By: Citadel Advisors Holdings LP, its Managing Member
- By: Citadel GP LLC, its General Partner
- By: /s/ Mark Polemeni Mark Polemeni, Authorized Signatory

# CITADEL GP LLC

KENNETH GRIFFIN

By: /s/ Mark Polemeni

Mark Polemeni, attorney-in-fact\*

By: /s/ Mark Polemeni Mark Polemeni, Authorized Signatory

Mark Polemeni is signing on behalf of Kenneth Griffin as attorney-in-fact pursuant to a power of attorney previously filed with the Securities and Exchange Commission on January 18, 2013, and hereby incorporated by reference herein. The power of attorney was filed as an attachment to a filing by Citadel Advisors LLC on Schedule 13G for TiVo Inc.

# CITADEL ADVISORS HOLDINGS LP

- By: Citadel GP LLC, its General Partner
- By: /s/ Mark Polemeni Mark Polemeni, Authorized Signatory