AGILENT TECHNOLOGIES INC Form SC 13G/A February 14, 2011

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

SCHEDULE 13G Under the Securities Exchange Act of 1934 (Amendment No.2)*

Agilent Technologies, Inc.
(Name of Issuer)
Common Stock
(Title of Class of Securities)
00846U101
(CUSIP Number)
December 31, 2010
(Date of Event Which Requires Filing of this Statement)
Check the appropriate box to designate the rule pursuant to which this Schedule is filed:
[X] 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 in 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. 00846U101 13G
1. Name of Reporting Person I.R.S. Identification No. of above Person

Davis Selected Advisers, L.P. 85-0360310

2. Check the Appropriate Box if a Member of a Group (a) [_]				
,	(b)			
n/a	n/a 			
3. SEC Use Only				
4. Citizenship or Place of Organization				
Colorado Limited Partnership				
	5. Sole Voting Power			
Number	of 15,730,789 shares			
Share	es6. Shared or No Voting Power			
Benefici				
Owned				
Each	7. Sole Dispositive Power			
Reporti	ng 17,088,842 shares			
Perso	on8. Shared Dispositive Power			
With				
9. Aggregate Amount Beneficially Owned by Each Reporting Person				
17,088,842 shares				
10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares				
n/a		[_]		
11. Percent of Class Represented by Amount in Row (9)				
4.92%				
12. Type of Reporting Person				
IA				
<pre>Item 1(a). Name of Issuer: Agilent Technologies, Inc.</pre>				
Item 1(b). Address of Issuer's Principal Executive Offices: 5301 STEVENS CREEK BLVD SANTA CLARA, CA 95051				

- Item 2(e). CUSIP Number: 00846U101
- Item 3. If this statement is filed pursuant to Rules 13d-1(b) or 13d-2(b) or (c), check whether the person filing is a :
- (a).[$_$] Broker or dealer registered under Section 15 of the Act (15 U.S.C. 780).
- (b).[$_$] Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c).[_] Insurance company as defined in Section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d).[_] Investment company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
- (e).[X] An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f).[_] An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
- (g).[_] A parent holding company or control person in accordance with Rule 13d-1 (b) (1) (ii) (G);
- (h).[_] A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i).[_] A church plan that is excluded from the definition of an investment company under Section 3(c) (14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j).[_] Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

Item 4. Ownership.

- (a). Amount beneficially owned: See the response(s) to Item 9 on the attached cover page(s).
- (b). Percent of Class: See the response(s) to Item 11 on the attached cover page(s).
- (c). Number of shares as to which such person has:
- (i). Sole power to vote or to direct the vote: See the response(s) to Item 5 on the attached cover page(s).

- (ii). Shared or no power to vote or to direct the vote: See the response(s) to Item 6 on the attached cover page(s).
- (iii). Sole power to dispose or to direct the disposition of: See the response(s) to Item 7 on the attached cover page(s).
- (iv). Shared power to dispose or to direct the disposition of: See the response(s) to Item 8 on the attached cover page(s).
- 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 person has ceased to be the beneficial owner of more than five percent of the class of the class of securities, check the following: X

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Not Applicable

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 $\mbox{\rm Applicable}$

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 acquired and are held in the ordinary course of business and 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.

SIGNATURE

Davis Selected Advisers, L.P.

BY /s/ Sharra Haynes

PRINT Sharra Haynes

Chief Compliance Officer/Vice President

DATE February 14, 2011