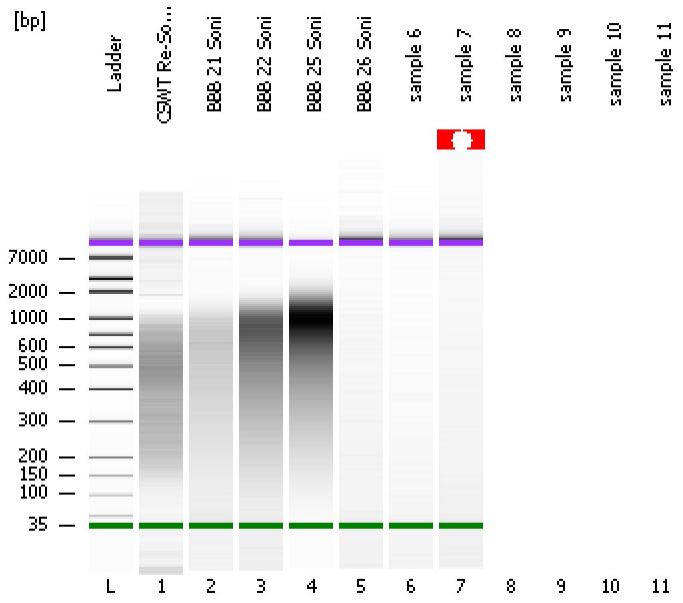
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-02\2012-04-02_006.xad

Created: 4/2/2012 3:32:09 PM
Modified: 4/2/2012 4:12:49 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name:	DE13701086	Firmware:	C.01.069
Serial#:	DE13701086	Type:	G2938B

Assay Information:

Assay Origin Path:	C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class:	High Sensitivity DNA Assay
Version:	1.03
Assay Comments:	Copyright © 2003-2010 Agilent Technologies

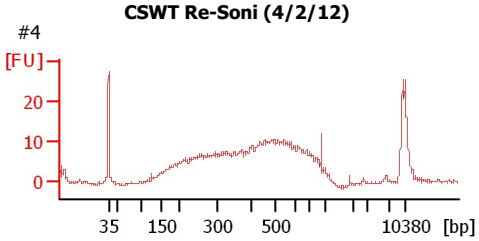
Chip Information:

Chip Lot #:

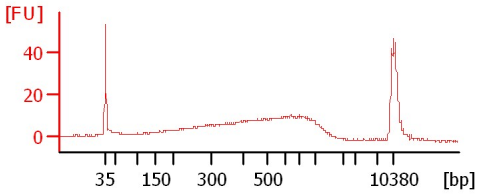
Reagent Kit Lot #:

Chip Comments:

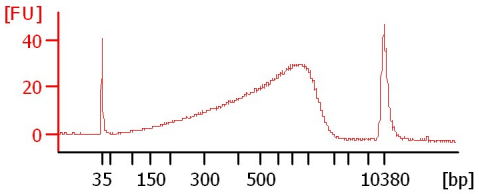
CSWT Re-Soni (4/2/12)



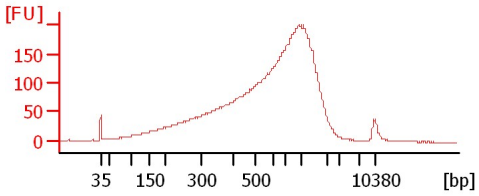
BBB 21 Soni



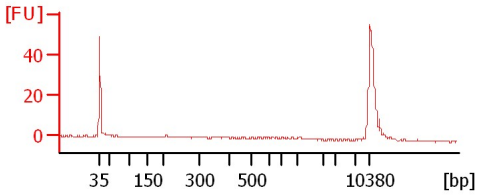
BBB 22 Soni



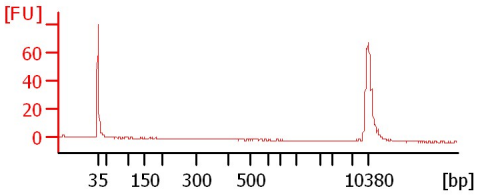
BBB 25 Soni



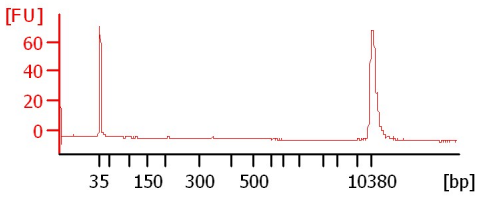
BBB 26 Soni



sample 6



sample 7



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-02\2012-04-02_006.xad

Created: 4/2/2012 3:32:09 PM
Modified: 4/2/2012 4:12:49 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
CSWT Re-Soni (4/2/12)	#4	☐	✓			
BBB 21 Soni		☐	✓			
BBB 22 Soni		☐	✓			
BBB 25 Soni		☐	✓			
BBB 26 Soni		☐	✓			
sample 6		☐	✓			
sample 7		☐	✗			
sample 8		☐	✗			
sample 9		☐	✗			
sample 10		☐	✗			
sample 11		☐	✗			
Ladder		☐	✓			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-02\2012-04-02_006.xad

Created: 4/2/2012 3:32:09 PM
Modified: 4/2/2012 4:12:49 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/µl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/µl] : 125
Upper Marker Concentration [pg/µl] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

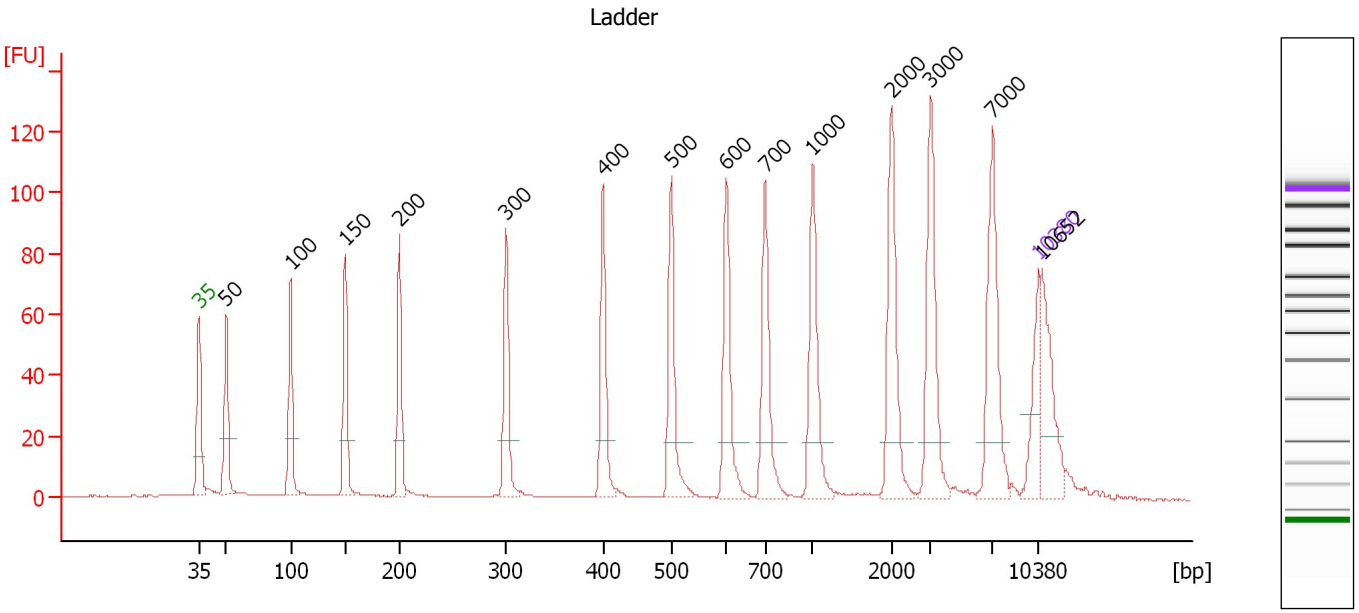
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-02\2012-04-02_006.xad

Created: 4/2/2012 3:32:09 PM
Modified: 4/2/2012 4:12:49 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

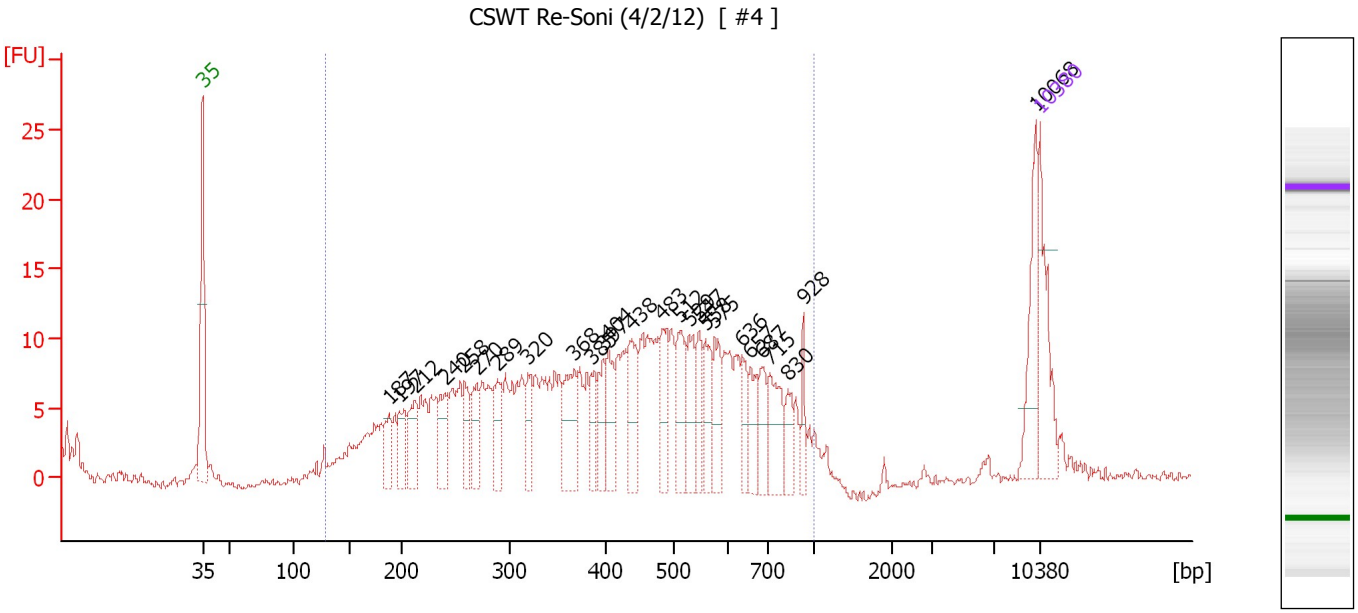
Peak table for Ladder

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1		35	125.00	5,411.3	Lower Marker
2		50	150.00	4,545.5	Ladder Peak
3		100	150.00	2,272.7	Ladder Peak
4		150	150.00	1,515.2	Ladder Peak
5		200	150.00	1,136.4	Ladder Peak
6		300	150.00	757.6	Ladder Peak
7		400	150.00	568.2	Ladder Peak
8		500	150.00	454.5	Ladder Peak
9		600	150.00	378.8	Ladder Peak
10		700	150.00	324.7	Ladder Peak
11		1,000	150.00	227.3	Ladder Peak
12		2,000	150.00	113.6	Ladder Peak
13		3,000	150.00	75.8	Ladder Peak
14		7,000	150.00	32.5	Ladder Peak
15		10,380	75.00	10.9	Upper Marker
16		10,652	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-02\2012-04-02_006.xad

Created: 4/2/2012 3:32:09 PM
Modified: 4/2/2012 4:12:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : CSWT Re-Soni (4/2/12)

Number of peaks found:	26	Corr. Area 1:	308.0
Noise:	0.3		

Peak table for sample 1 : CSWT Re-Soni (4/2/12)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	187	41.85	338.7	
3	197	53.04	407.7	
4	212	56.11	401.7	
5	240	58.32	367.8	
6	258	46.86	274.9	
7	270	49.10	275.7	
8	289	55.64	291.3	
9	320	41.79	198.0	
10	368	78.79	324.7	
11	385	37.06	145.7	
12	397	44.53	169.7	
13	404	53.32	199.8	
14	438	64.48	223.1	
15	483	64.10	201.2	
16	512	67.02	198.1	
17	529	54.35	155.6	
18	547	41.10	113.9	
19	558	44.25	120.1	
20	575	53.89	142.0	
21	636	32.10	76.5	
22	657	38.53	88.9	
23	687	41.65	91.9	
24	715	65.24	138.3	
25	830	29.00	52.9	
26	928	22.04	36.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-02\2012-04-02_006.xad

Created: 4/2/2012 3:32:09 PM
Modified: 4/2/2012 4:12:49 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : CSWT Re-Soni (4/2/12)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	10,068	63.00	9.5	
28	10,380	75.00	10.9	Upper Marker

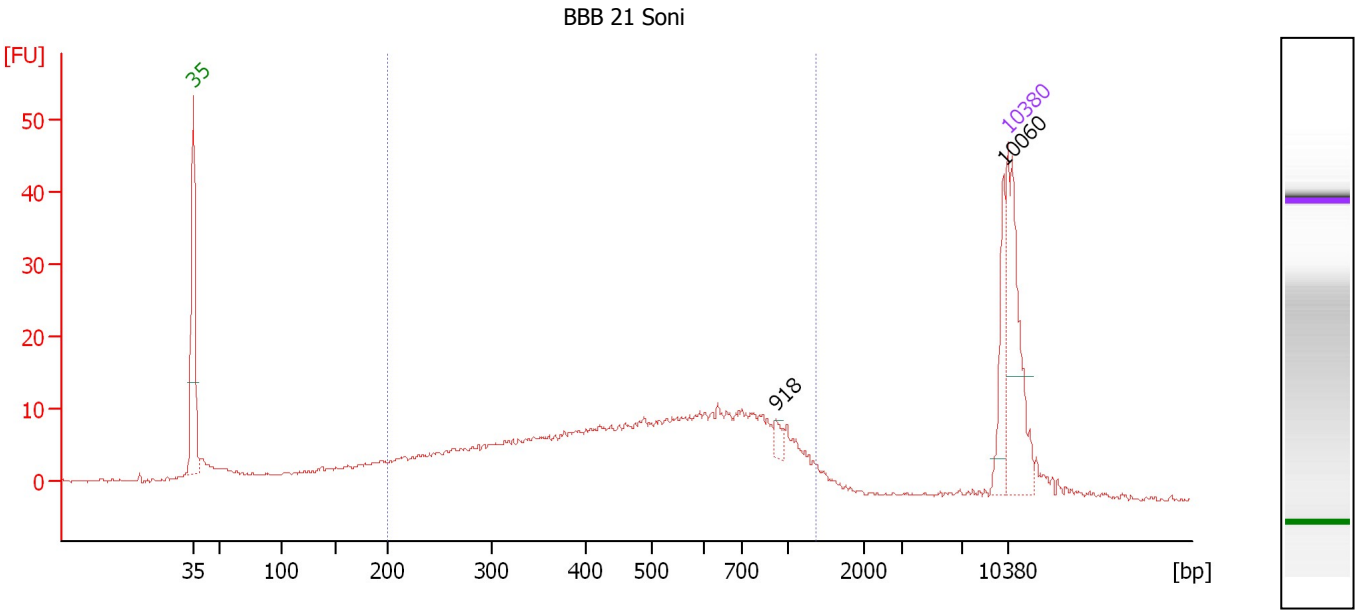
Region table for sample 1 : CSWT Re-Soni (4/2/12)

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
129	7,550.3	453	1,772.07	1,000	308.0	93	38.6	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-02\2012-04-02_006.xad

Created: 4/2/2012 3:32:09 PM
Modified: 4/2/2012 4:12:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : BBB 21 Soni

Number of peaks found:	2	Corr. Area 1:	369.8
Noise:	0.2		

Peak table for sample 2 : BBB 21 Soni

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	918	6.89	11.4	
3	10,060	28.45	4.3	
4	10,380	75.00	10.9	Upper Marker

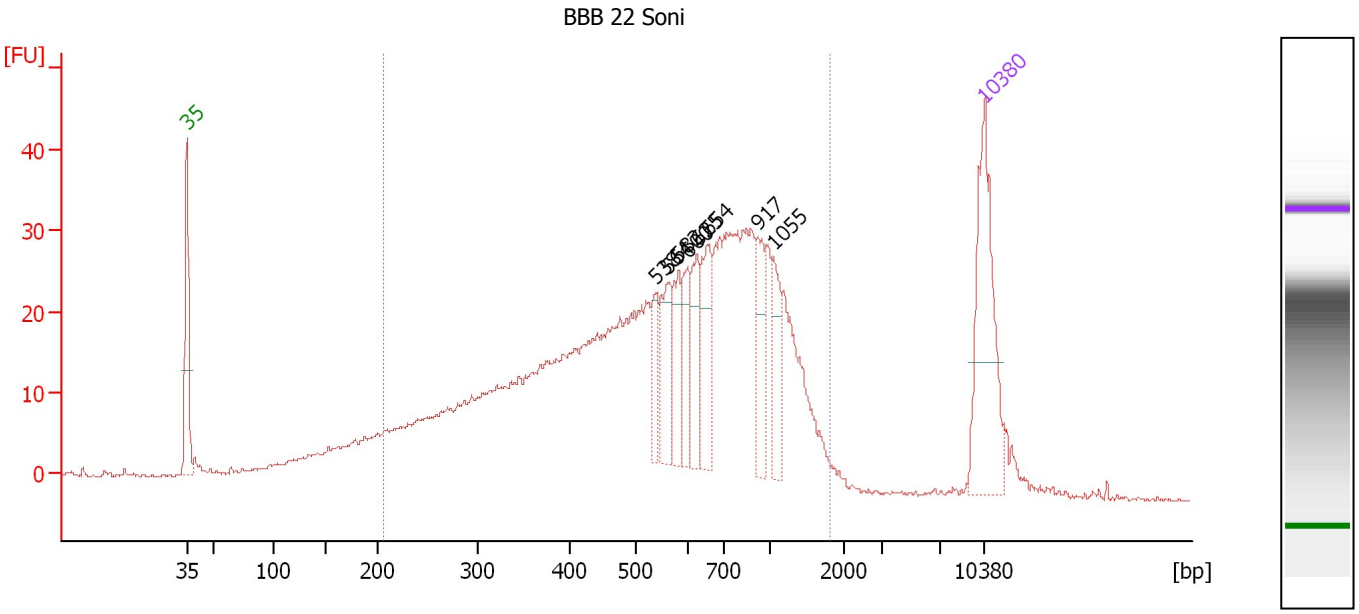
Region table for sample 2 : BBB 21 Soni

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	2,554.8	531	686.86	1,353	369.8	75	44.3	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-02\2012-04-02_006.xad

Created: 4/2/2012 3:32:09 PM
Modified: 4/2/2012 4:12:49 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 3 : BBB 22 Soni

Height Threshold [FU] : 20

Overall Results for sample 3 : BBB 22 Soni

Number of peaks found:	8	Corr. Area 1:	855.6
Noise:	0.2		

Peak table for sample 3 : BBB 22 Soni

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	538	22.72	64.0	
3	564	36.19	97.3	
4	582	30.74	80.0	
5	600	26.33	66.5	
6	625	33.19	80.4	
7	654	45.00	104.2	
8	917	33.79	55.8	
9	1,055	24.91	35.8	
10	10,380	75.00	10.9	Upper Marker

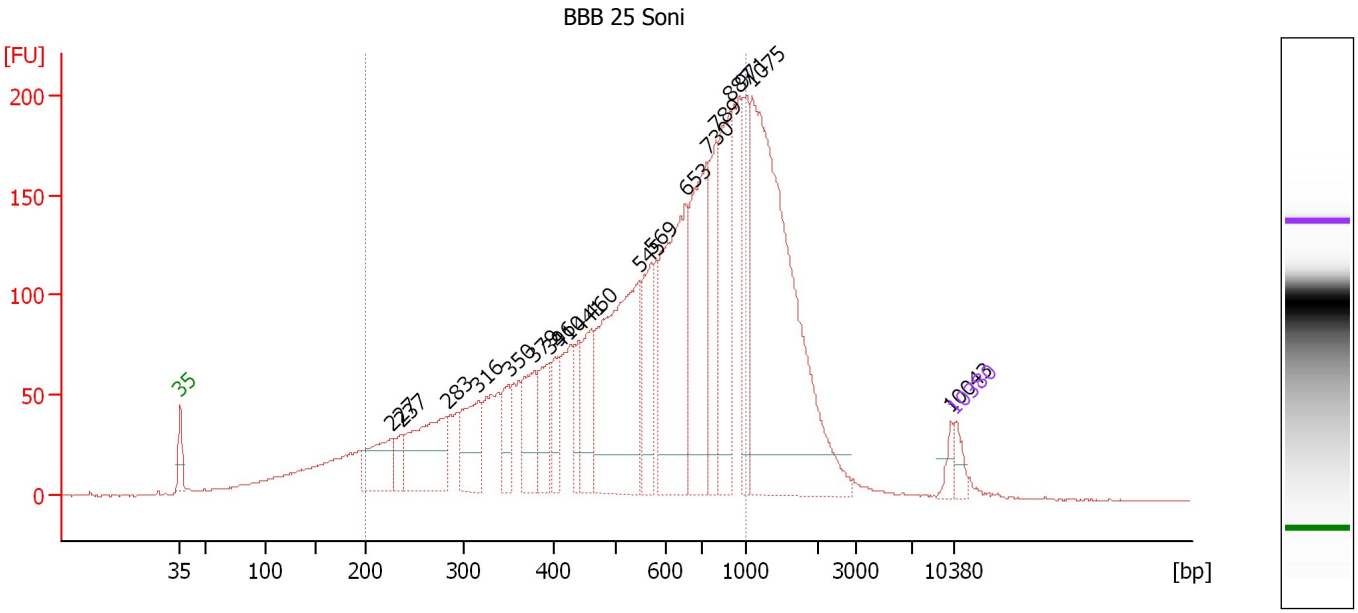
Region table for sample 3 : BBB 22 Soni

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
206	4,000.0	634	1,219.96	1,812	855.6	91	49.8	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-02\2012-04-02_006.xad

Created: 4/2/2012 3:32:09 PM
Modified: 4/2/2012 4:12:49 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 4 : BBB 25 Soni

Height Threshold [FU] : 20

Overall Results for sample 4 : BBB 25 Soni

Number of peaks found:	19	Corr. Area 1:	3,626.3
Noise:	0.3		

Peak table for sample 4 : BBB 25 Soni

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	227	453.56	3,032.4	
3	237	140.89	901.0	
4	283	770.35	4,124.5	
5	316	492.68	2,358.9	
6	350	232.18	1,004.0	
7	379	407.10	1,627.5	
8	396	337.11	1,289.0	
9	410	250.06	924.3	
10	441	224.39	770.5	
11	460	417.39	1,375.1	
12	545	1,538.44	4,278.1	
13	569	474.36	1,263.0	
14	653	1,321.33	3,066.5	
15	730	1,008.84	2,093.3	
16	789	551.11	1,058.8	
17	887	739.73	1,263.1	
18	971	452.58	706.0	
19	1,075	2,644.39	3,727.5	
20	10,043	62.31	9.4	
21	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-02\2012-04-02_006.xad

Created: 4/2/2012 3:32:09 PM
Modified: 4/2/2012 4:12:49 PM

Electropherogram Summary Continued ...

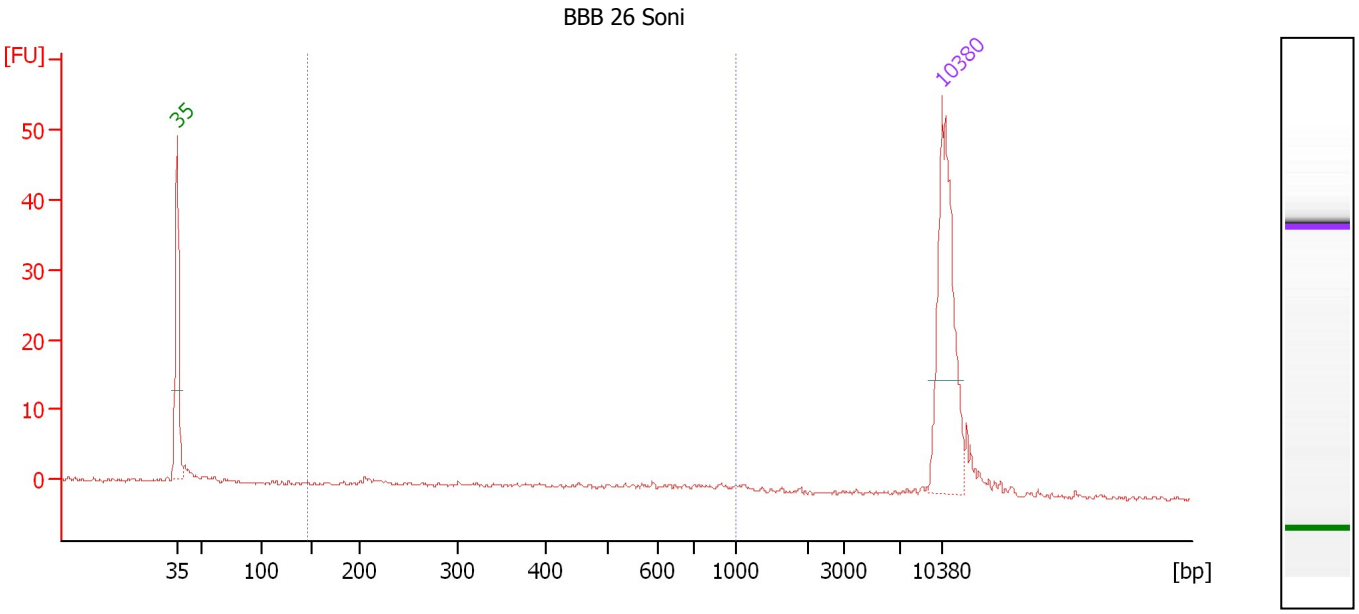
... Region table for sample 4 : BBB 25 Soni

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	41,944.5	567	12,409.83	1,000	3,626.3	72	36.8	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-02\2012-04-02_006.xad

Created: 4/2/2012 3:32:09 PM
Modified: 4/2/2012 4:12:49 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 5 : BBB 26 Soni

Height Threshold [FU] : 10

Overall Results for sample 5 : BBB 26 Soni

Number of peaks found:	0	Corr. Area 1:	22.7
Noise:	0.3		

Peak table for sample 5 : BBB 26 Soni

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

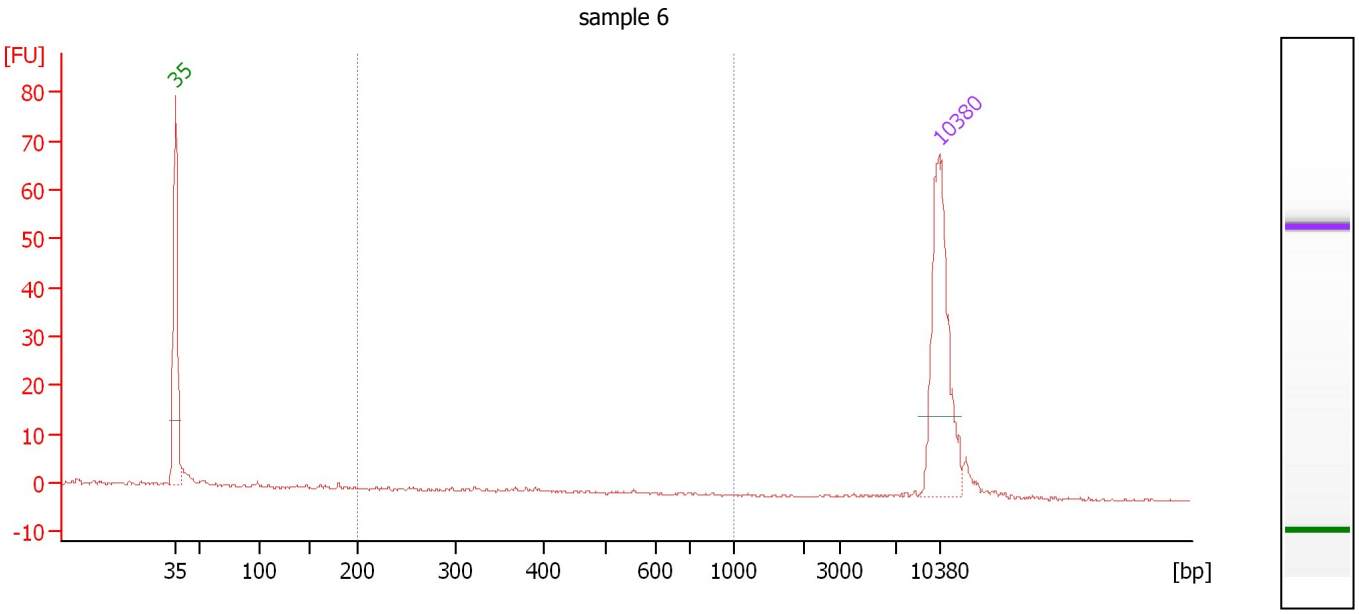
Region table for sample 5 : BBB 26 Soni

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
147	133.8	488	30.68	1,000	22.7	41	44.8	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-02\2012-04-02_006.xad

Created: 4/2/2012 3:32:09 PM
Modified: 4/2/2012 4:12:49 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 6 : sample 6

Height Threshold [FU] : 10

Overall Results for sample 6 : sample 6

Number of peaks found:	0	Corr. Area 1:	0.4
Noise:	0.2		

Peak table for sample 6 : sample 6

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

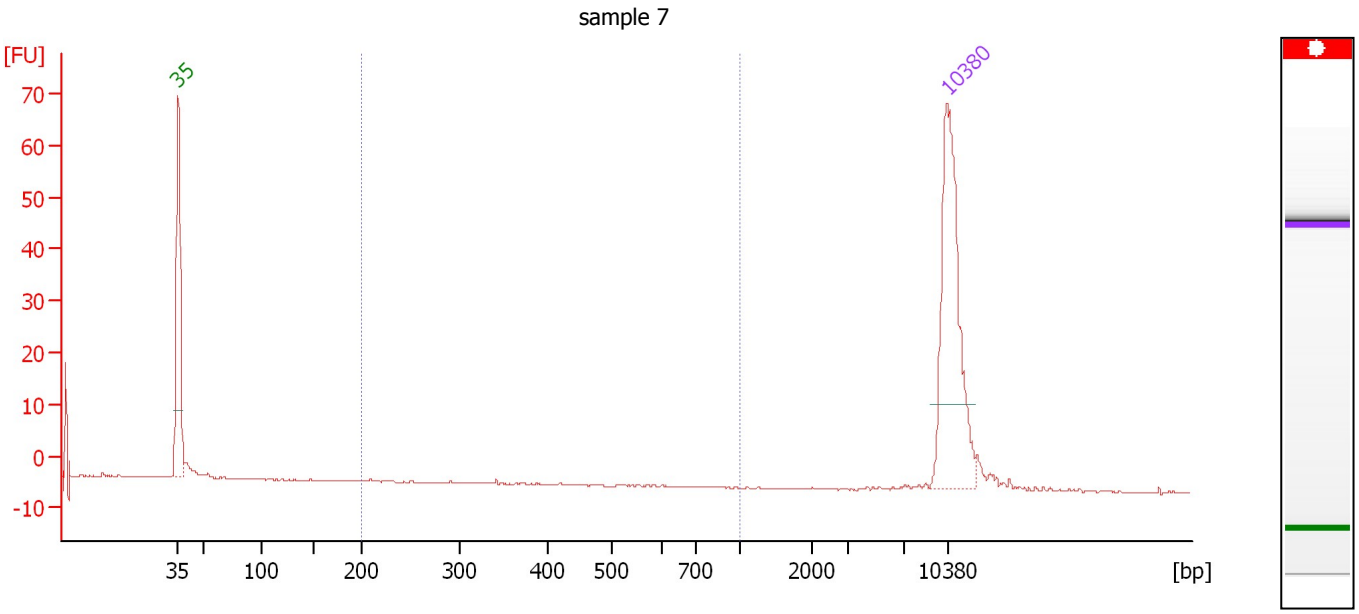
Region table for sample 6 : sample 6

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1.4	392	0.36	1,000	0.4	2	17.1	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-02\2012-04-02_006.xad

Created: 4/2/2012 3:32:09 PM
Modified: 4/2/2012 4:12:49 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 7 : sample 7

End Analysis Time Range [s] :	136.9	Baseline Plateau [s] :	2
Height Threshold [FU] :	10		

Overall Results for sample 7 : sample 7

Number of peaks found:	0	Corr. Area 1:	0.0
Noise:	0.2		

Peak table for sample 7 : sample 7

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

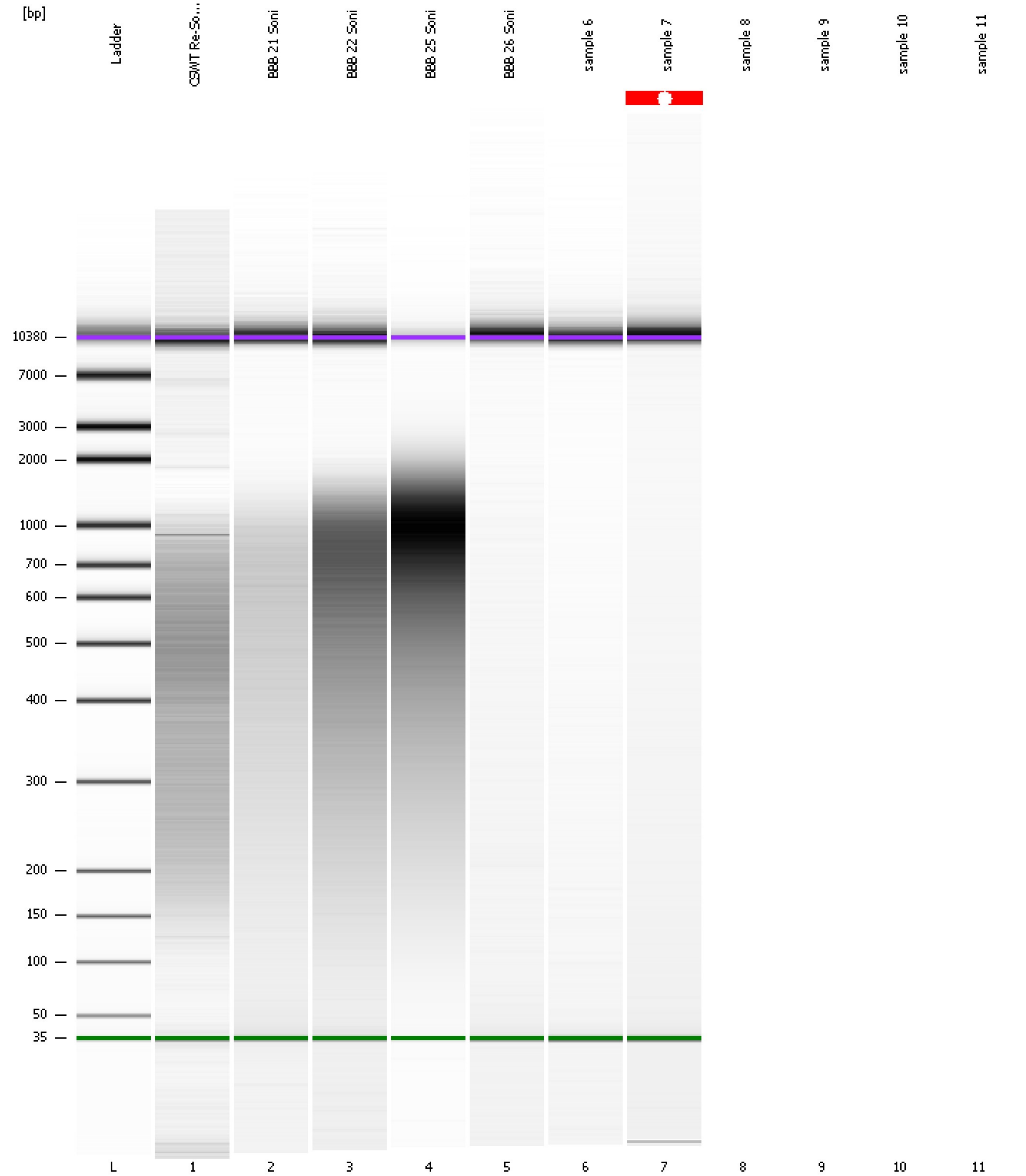
Region table for sample 7 : sample 7

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	0.0	0	0.00	1,000	0.0	0	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-02\2012-04-02_006.xad

Created: 4/2/2012 3:32:09 PM
Modified: 4/2/2012 4:12:49 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-02\2012-04-02_006.xad

Created: 4/2/2012 3:32:09 PM
Modified: 4/2/2012 4:12:49 PM

Invalid Samples

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-02\2012-04-02_006.xad

Created: 4/2/2012 3:32:09 PM
Modified: 4/2/2012 4:12:49 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run aborted on port 1		Instrument	Run		4/2/2012 4:02:01 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2012-04-02\2012-04-02_006.xad)		Instrument	Run		4/2/2012 3:32:15 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/2/2012 3:32:15 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/2/2012 3:32:15 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/2/2012 3:32:15 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/2/2012 3:32:15 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/2/2012 3:32:15 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/2/2012 3:32:15 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1