

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-11\2014-12-11_001.xad

Created: 12/11/2014 9:49:04 AM
Modified: 12/11/2014 10:11:55 AM

Electrophoresis File Run Summary

Instrument Information:

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

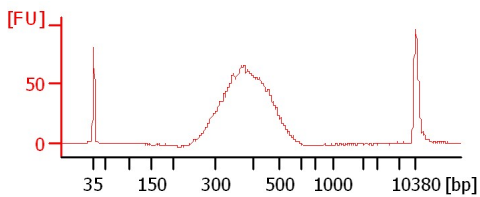
Assay Information:

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

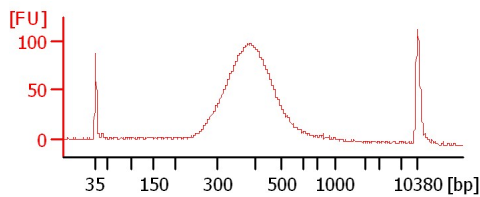
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

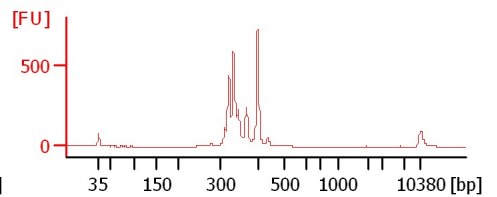
sample Pool Vio



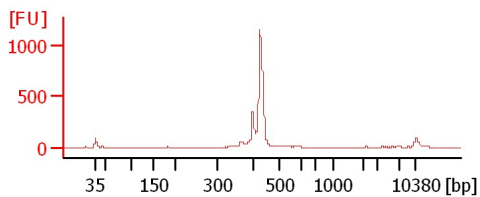
sample UCD932



sample ITS



sample V4



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample Pool Vio		<input type="checkbox"/>	✓			
sample UCD932		<input type="checkbox"/>	✓			
sample ITS		<input type="checkbox"/>	✓			
sample V4		<input type="checkbox"/>	✓			
sample 5		<input type="checkbox"/>				
sample 6		<input type="checkbox"/>				
sample 7		<input type="checkbox"/>				
sample 8		<input type="checkbox"/>				
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

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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

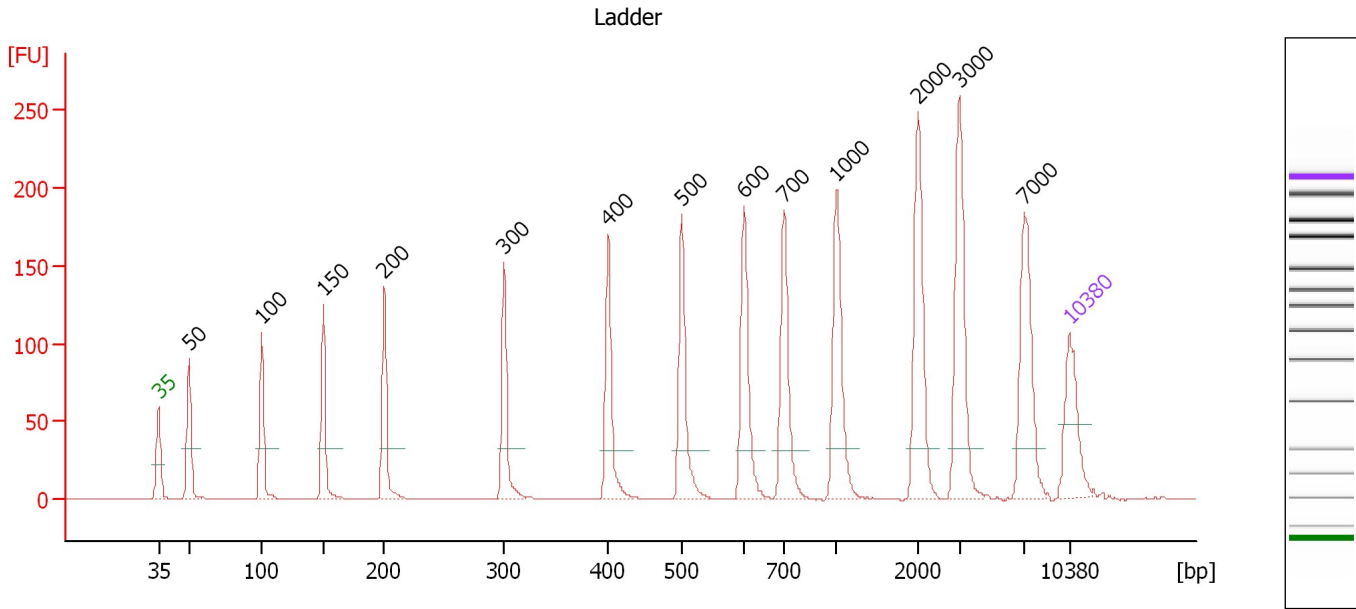
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

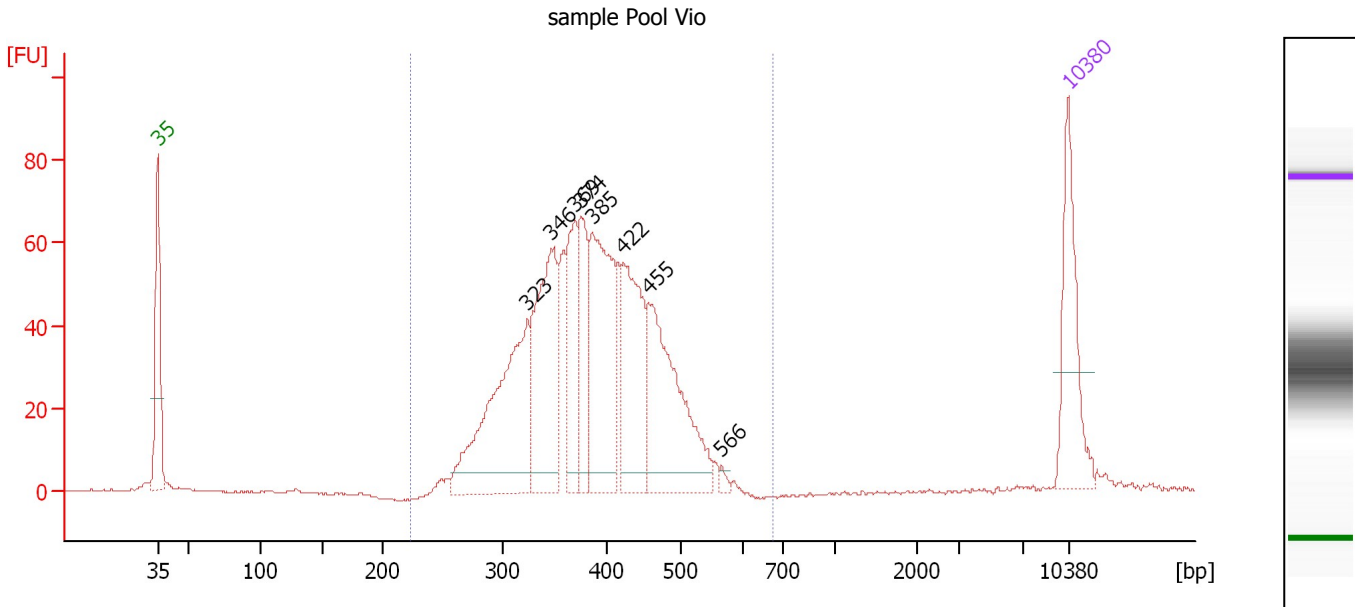
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.36
3	100	150.00	2,272.7	Ladder Peak	50.94
4	150	150.00	1,515.2	Ladder Peak	55.65
5	200	150.00	1,136.4	Ladder Peak	60.36
6	300	150.00	757.6	Ladder Peak	69.56
7	400	150.00	568.2	Ladder Peak	77.59
8	500	150.00	454.5	Ladder Peak	83.21
9	600	150.00	378.8	Ladder Peak	88.01
10	700	150.00	324.7	Ladder Peak	91.06
11	1,000	150.00	227.3	Ladder Peak	95.12
12	2,000	150.00	113.6	Ladder Peak	101.40
13	3,000	150.00	75.8	Ladder Peak	104.58
14	7,000	150.00	32.5	Ladder Peak	109.55
15	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...



Overall Results for sample 1 : sample Pool Vio

Number of peaks found: 8 Corr. Area 1: 1,056.7
 Noise: 0.2

Peak table for sample 1 : sample Pool Vio

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	323	226.40	1,061.0		71.43
3	346	173.08	757.1		73.28
4	369	87.98	361.3		75.09
5	374	80.11	324.2		75.53
6	385	184.28	724.5		76.41
7	422	132.88	476.8		78.84
8	455	179.45	597.4		80.69
9	566	4.11	11.0		86.38
10	10,380	75.00	10.9	Upper Marker	113.00

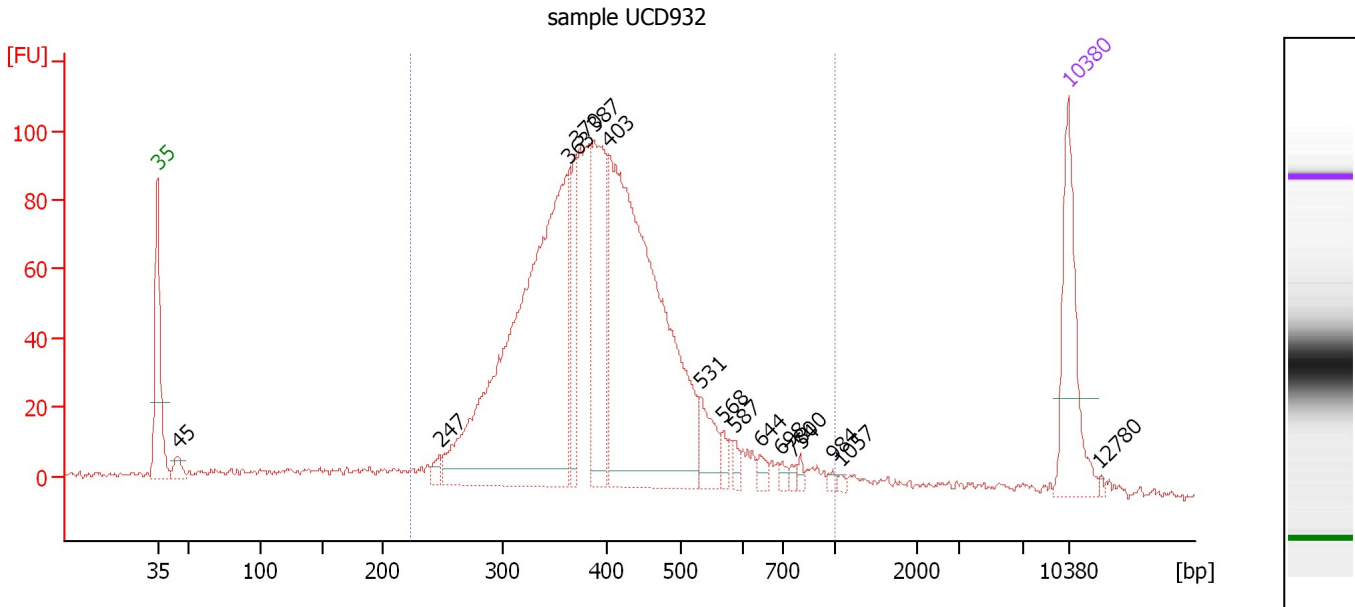
Region table for sample 1 : sample Pool Vio

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
223	388	676	1,056.7	98	16.8	1,144.35	4,641.3	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 2 : sample UCD932

Number of peaks found: 16 Corr. Area 1: 1,713.5
 Noise: 1.0

Peak table for sample 2 : sample UCD932

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	45	15.17	511.7		44.56
3	247	9.08	55.6		64.70
4	363	545.26	2,275.6		74.62
5	370	67.25	275.6		75.15
6	387	145.85	570.4		76.58
7	403	487.63	1,835.0		77.73
8	531	34.13	97.3		84.72
9	568	8.77	23.4		86.49
10	587	7.19	18.5		87.38
11	644	7.86	18.5		89.34
12	698	4.56	9.9		90.99
13	754	3.78	7.6		91.79
14	800	4.27	8.1		92.41
15	984	3.01	4.6		94.90
16	1,057	2.53	3.6		95.48
17	10,380	75.00	10.9	Upper Marker	113.00
18	12,780	0.00	0.0		115.45

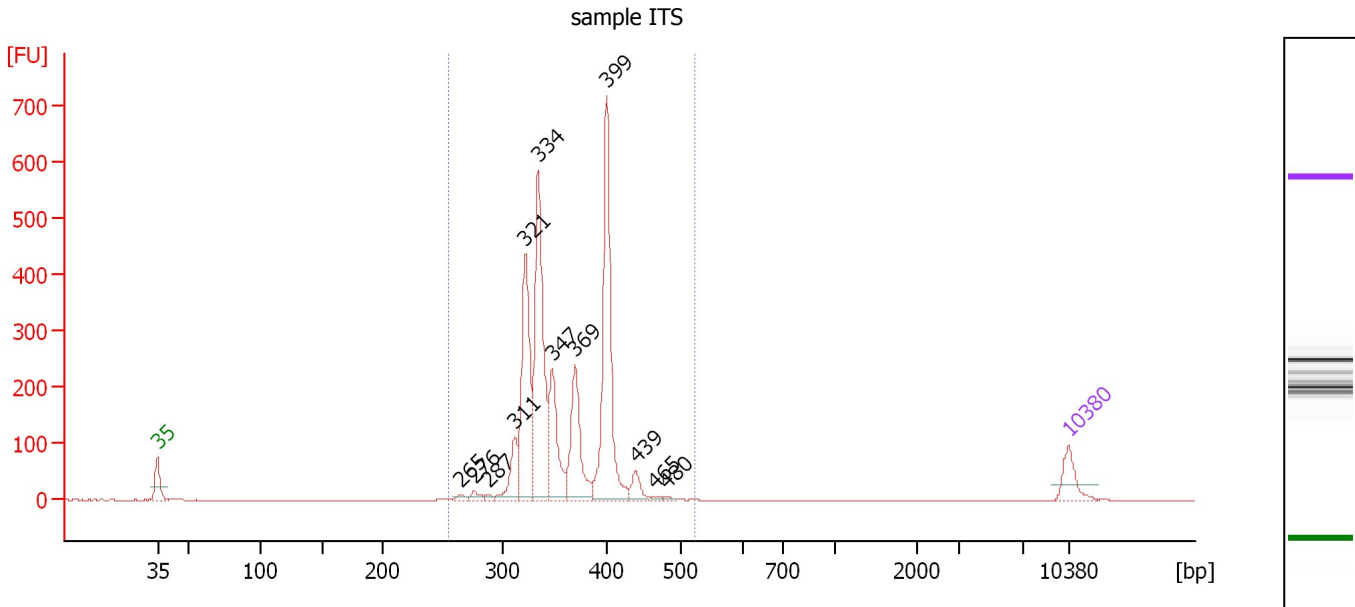
Region table for sample 2 : sample UCD932

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
223	406	1,000	1,713.5	93	24.5	1,524.84	6,080.7	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 3 : sample ITS

Number of peaks found: 12 Corr. Area 1: 2,515.5
 Noise: 0.3

Peak table for sample 3 : sample ITS

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	265	15.68	89.7		66.32
3	276	25.78	141.7		67.31
4	287	12.21	64.4		68.39
5	311	139.10	677.2		70.46
6	321	541.06	2,551.5		71.27
7	334	714.79	3,246.0		72.26
8	347	284.93	1,243.7		73.34
9	369	321.16	1,318.8		75.10
10	399	731.93	2,777.5		77.53
11	439	59.10	204.0		79.78
12	465	9.41	30.6		81.26
13	480	8.00	25.3		82.07
14	10,380	75.00	10.9	Upper Marker	113.00

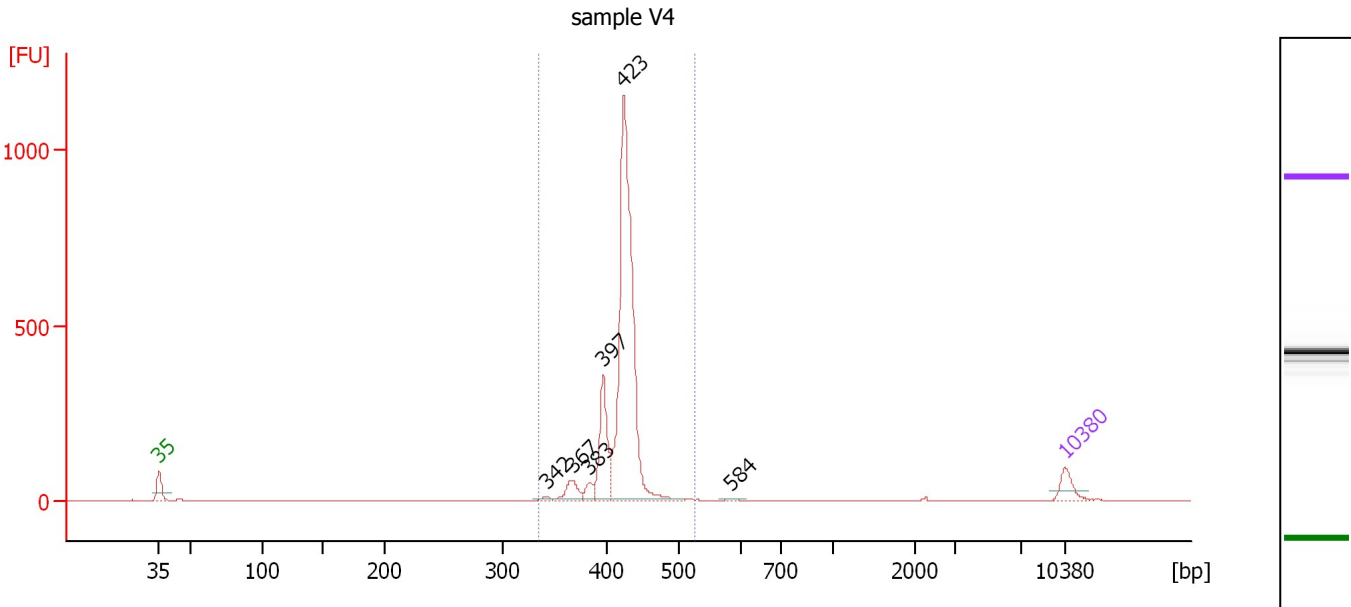
Region table for sample 3 : sample ITS

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
255	358	523	2,515.5	99	10.4	2,839.96	12,112.3	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 4 : sample V4

Number of peaks found: 6 Corr. Area 1: 2,232.6
 Noise: 0.4

Peak table for sample 4 : sample V4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	342	15.23	67.5		72.90
3	367	105.63	436.4		74.91
4	383	55.82	220.7		76.24
5	397	377.01	1,439.2		77.34
6	423	1,894.25	6,781.7		78.89
7	584	6.91	17.9		87.26
8	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 4 : sample V4

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
334	420	526	2,232.6	94	5.1	2,464.50	8,914.5	Blue

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Gel Image

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Invalid Samples

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

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.

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Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 5)		Instrument	Run		12/11/2014 10:10:23 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-12-11\2014-12-11_001.xad)		Instrument	Run		12/11/2014 9:49:10 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		12/11/2014 9:49:10 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		12/11/2014 9:49:10 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		12/11/2014 9:49:10 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		12/11/2014 9:49:10 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		12/11/2014 9:49:10 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		12/11/2014 9:49:10 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1