

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-03\2014-09-03_004.xad

Created: 9/3/2014 3:06:25 PM
Modified: 9/3/2014 4:14:20 PM

Electrophoresis File Run Summary

Instrument Information:

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

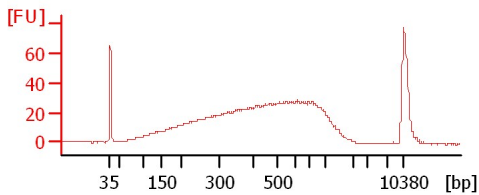
Assay Information:

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

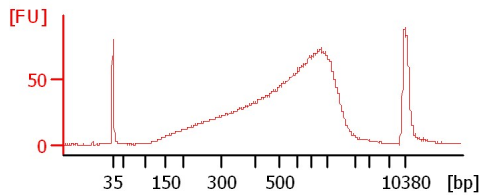
Chip Information:

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

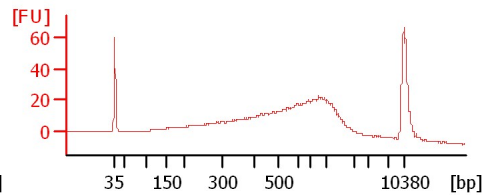
Tayeb 9 C Soni 2



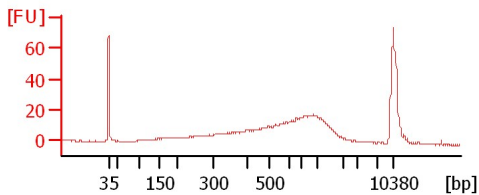
Tayeb 12 C Soni



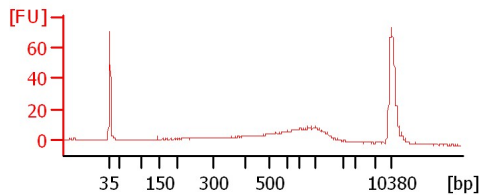
Tayeb 13 C Soni



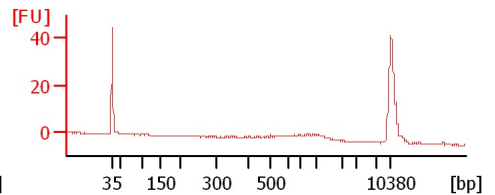
Tayeb 14 C Soni



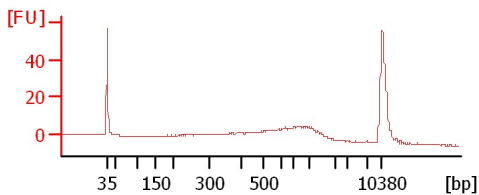
Tayeb 15 C Soni



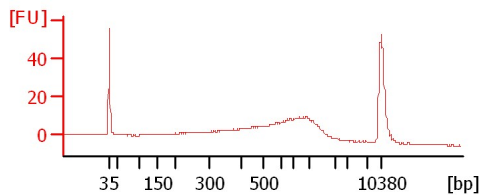
Tayeb 16 C Soni



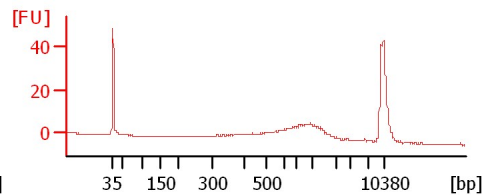
Tayeb 17 C Soni



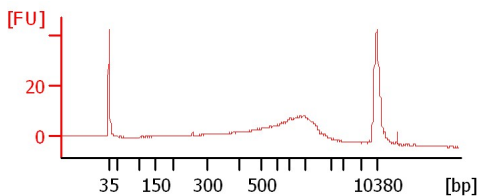
Tayeb 18 C Soni



Tayeb 19 C Soni



Tayeb 20 C Soni



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Tayeb 9 C Soni 2		<input type="checkbox"/>	✓			
Tayeb 12 C Soni		<input type="checkbox"/>	✓			
Tayeb 13 C Soni		<input type="checkbox"/>	✓			
Tayeb 14 C Soni		<input type="checkbox"/>	✓			
Tayeb 15 C Soni		<input type="checkbox"/>	✓			
Tayeb 16 C Soni		<input type="checkbox"/>	✓			
Tayeb 17 C Soni		<input type="checkbox"/>	✓			
Tayeb 18 C Soni		<input type="checkbox"/>	✓			
Tayeb 19 C Soni		<input type="checkbox"/>	✓			
Tayeb 20 C Soni		<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

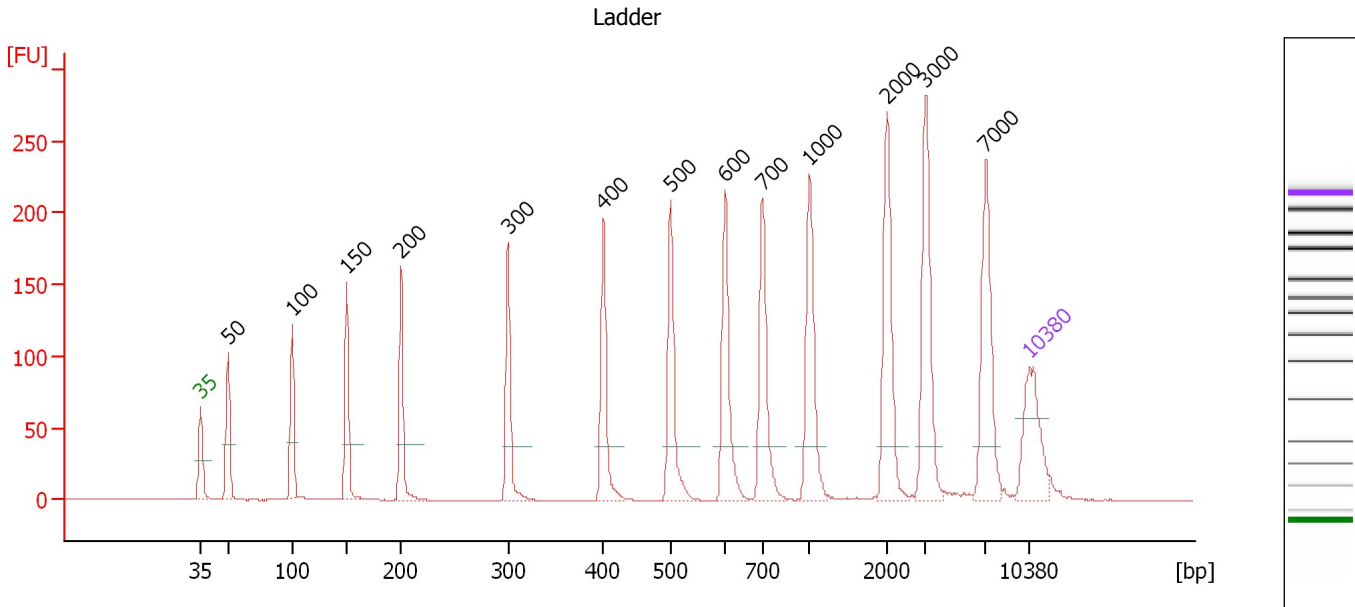
Ladder

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

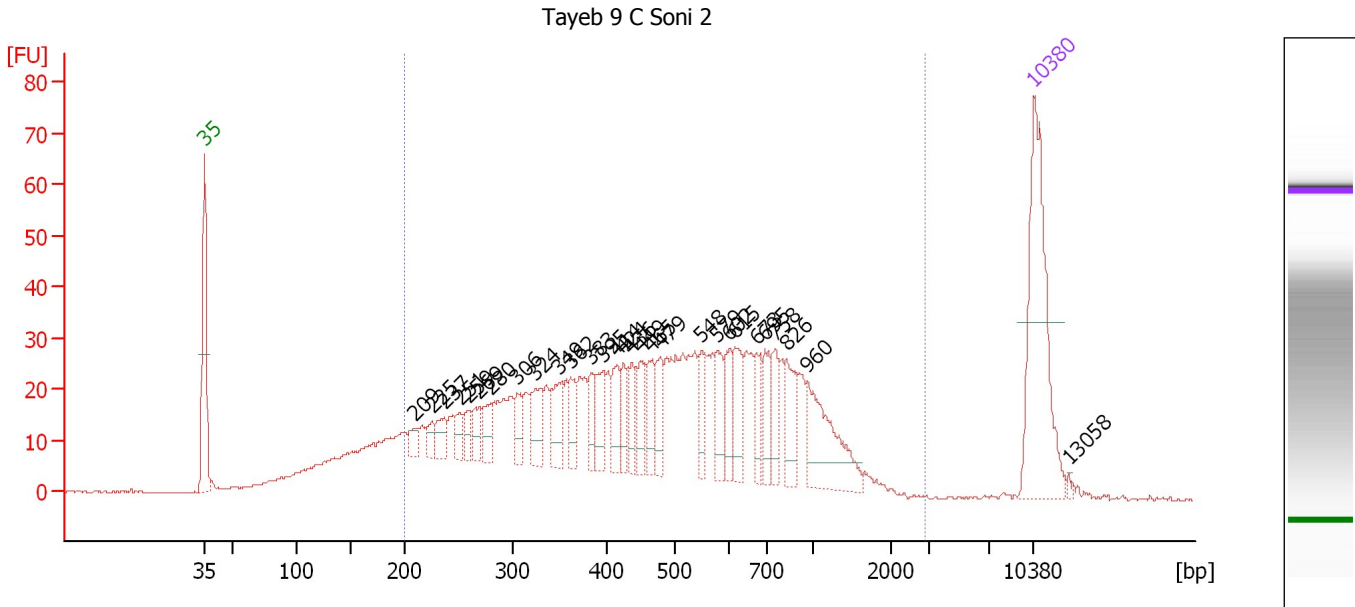
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
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

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Electropherogram Summary Continued ...



Overall Results for sample 1 : Tayeb 9 C Soni 2

Number of peaks found: 29 Corr. Area 1: 1,084.5
 Noise: 0.2

Peak table for sample 1 : Tayeb 9 C Soni 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	209	8.21	59.5	
3	225	8.49	57.2	
4	237	13.42	85.7	
5	251	10.12	61.0	
6	259	9.27	54.2	
7	269	13.45	75.6	
8	280	15.81	85.5	
9	306	13.44	66.5	
10	324	22.51	105.2	
11	349	24.01	104.1	
12	362	16.14	67.6	
13	383	14.42	57.1	
14	395	19.60	75.1	
15	414	19.12	70.0	
16	424	14.05	50.2	
17	436	15.18	52.7	
18	449	17.69	59.7	
19	465	17.83	58.0	
20	479	18.12	57.3	
21	548	14.65	40.5	
22	579	18.44	48.3	
23	602	17.10	43.0	
24	615	21.85	53.8	
25	673	15.06	33.9	
26	695	17.32	37.8	

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Electropherogram Summary Continued ...

... Peak table for sample 1 : Tayeb 9 C Soni 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	758	15.95	31.9	
28	826	18.39	33.8	
29	960	45.94	72.5	
30	10,380	75.00	10.9	Upper Marker
31	13,058	0.00	0.0	

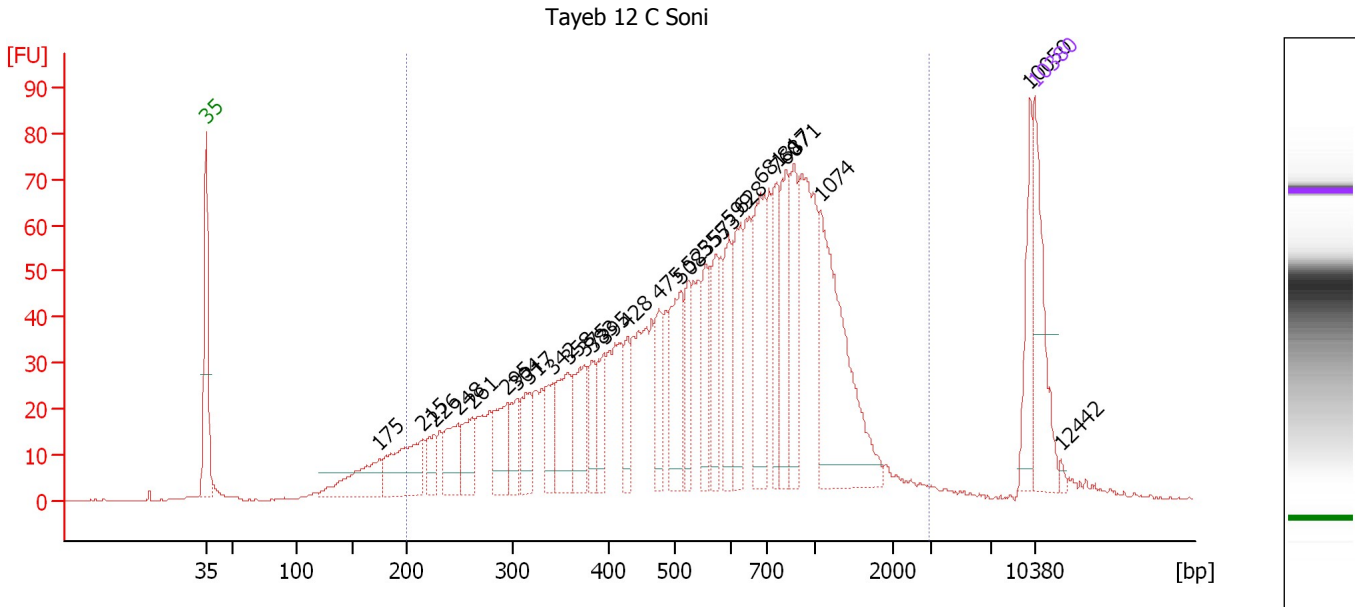
Region table for sample 1 : Tayeb 9 C Soni 2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	2,882	1,084.5	86	541	54.0	973.07	3,709.6	

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Electropherogram Summary Continued ...



Overall Results for sample 2 : Tayeb 12 C Soni

Number of peaks found: 28 Corr. Area 1: 1,823.8
 Noise: 0.1

Peak table for sample 2 : Tayeb 12 C Soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	175	80.54	696.9	
3	215	100.37	708.5	
4	226	30.45	204.0	
5	248	55.81	340.8	
6	261	46.10	267.4	
7	295	57.78	297.1	
8	304	37.59	187.6	
9	317	47.27	226.0	
10	342	39.83	176.4	
11	358	75.08	317.9	
12	375	65.41	264.6	
13	383	36.20	143.2	
14	395	43.81	168.0	
15	428	34.63	122.6	
16	475	48.05	153.3	
17	508	87.47	260.7	
18	523	42.70	123.7	
19	555	53.61	146.2	
20	573	51.41	135.9	
21	599	66.32	167.8	
22	628	74.38	179.4	
23	681	107.93	240.1	
24	760	59.12	117.9	
25	817	75.25	139.6	
26	871	70.14	122.0	

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Electropherogram Summary Continued ...

... Peak table for sample 2 : Tayeb 12 C Soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	1,074	190.74	269.1	
28	10,050	52.22	7.9	
29	10,380	75.00	10.9	Upper Marker
30	12,442	0.00	0.0	

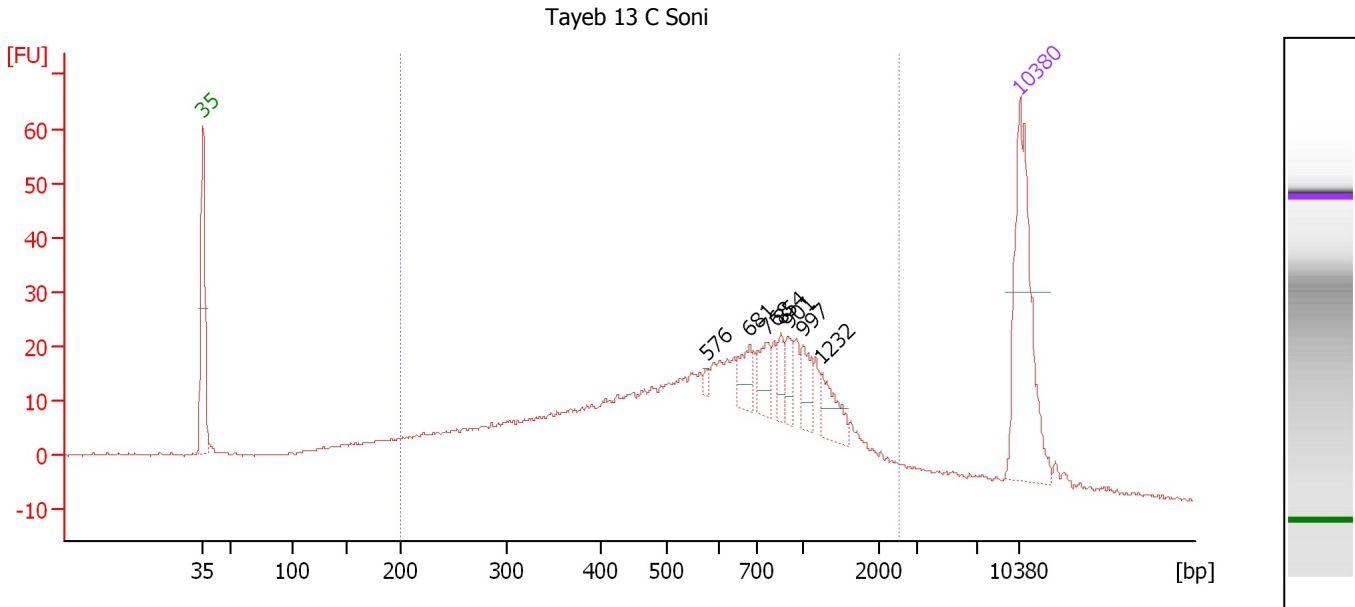
Region table for sample 2 : Tayeb 12 C Soni

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	2,966	1,823.8	91	665	55.6	2,430.27	7,907.9	

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Electropherogram Summary Continued ...



Overall Results for sample 3 : Tayeb 13 C Soni

Number of peaks found: 7 Corr. Area 1: 751.6
 Noise: 0.2

Peak table for sample 3 : Tayeb 13 C Soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	576	3.06	8.1	
3	681	15.53	34.5	
4	768	16.86	33.3	
5	854	9.68	17.2	
6	901	11.12	18.7	
7	997	13.15	20.0	
8	1,232	16.97	20.9	
9	10,380	75.00	10.9	Upper Marker

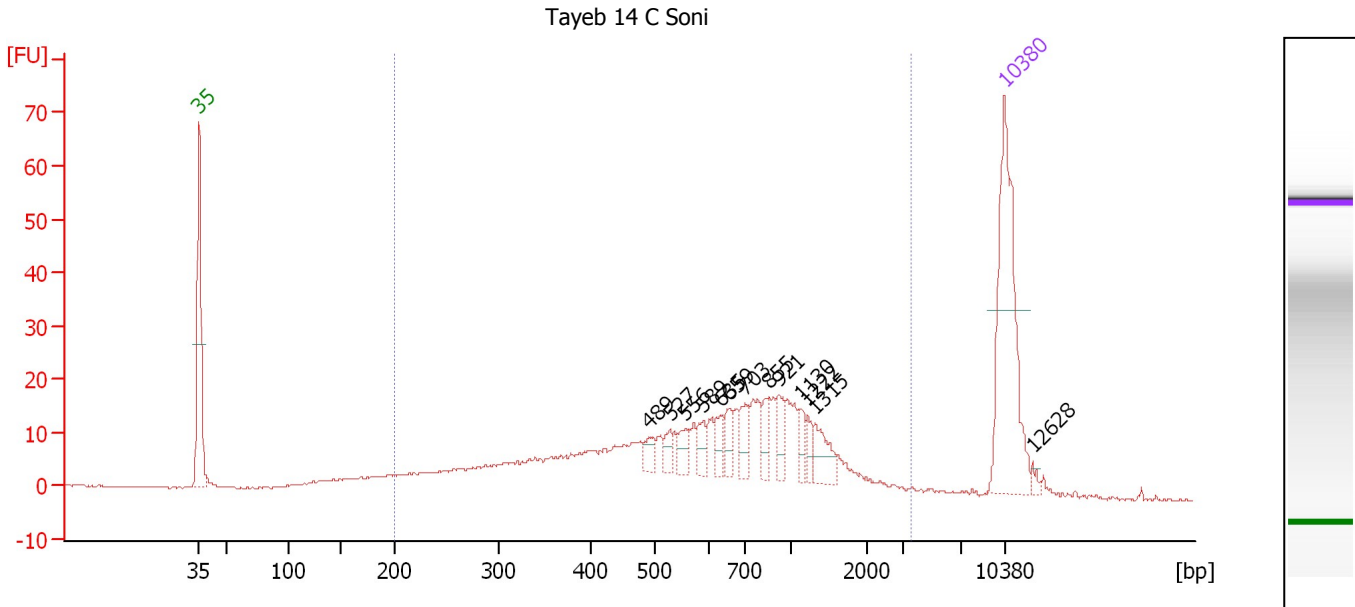
Region table for sample 3 : Tayeb 13 C Soni

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	2,536	751.6	84	695	60.5	745.96	2,445.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-03\2014-09-03_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : Tayeb 14 C Soni

Number of peaks found: 13 Corr. Area 1: 458.1
 Noise: 0.2

Peak table for sample 4 : Tayeb 14 C Soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	489	8.25	25.6	
3	527	6.80	19.6	
4	556	8.37	22.8	
5	589	8.54	22.0	
6	635	8.61	20.5	
7	659	10.17	23.4	
8	703	12.38	26.7	
9	855	10.04	17.8	
10	921	9.98	16.4	
11	1,130	7.39	9.9	
12	1,222	5.97	7.4	
13	1,315	13.96	16.1	
14	10,380	75.00	10.9	Upper Marker
15	12,628	0.00	0.0	

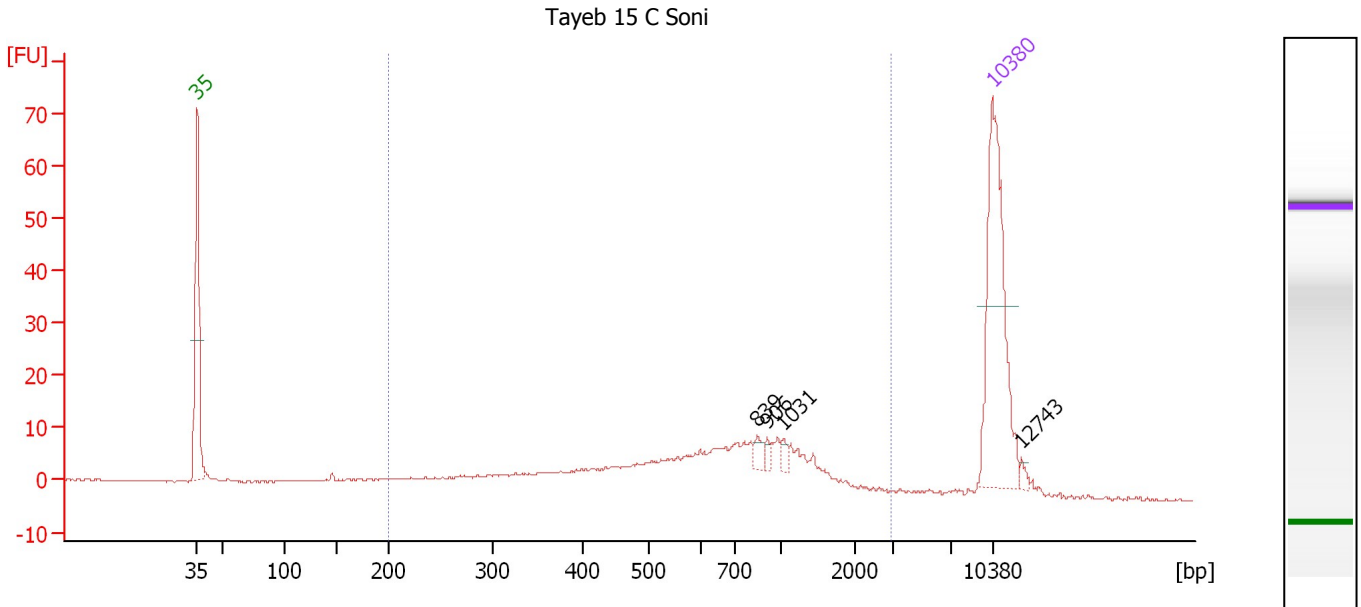
Region table for sample 4 : Tayeb 14 C Soni

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	3,555	458.1	91	737	62.6	430.14	1,337.9	Blue

Assay Class: High Sensitivity DNA Assay
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Electropherogram Summary Continued ...



Overall Results for sample 5 : Tayeb 15 C Soni

Number of peaks found: 4 Corr. Area 1: 236.0
 Noise: 0.1

Peak table for sample 5 : Tayeb 15 C Soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	839	4.56	8.2	
3	906	2.94	4.9	
4	1,031	2.88	4.2	
5	10,380	75.00	10.9	Upper Marker
6	12,743	0.00	0.0	

Region table for sample 5 : Tayeb 15 C Soni

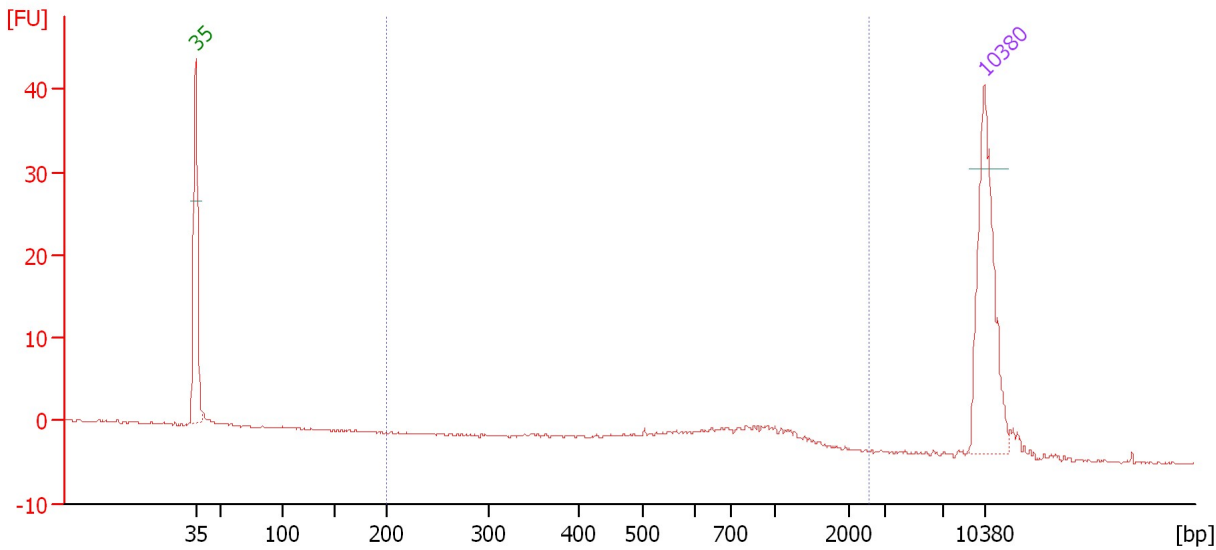
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	2,937	236.0	84	742	59.0	209.98	638.6	Blue

Assay Class: High Sensitivity DNA Assay
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Electropherogram Summary Continued ...

Tayeb 16 C Soni



Overall Results for sample 6 : Tayeb 16 C Soni

Number of peaks found: 0 Corr. Area 1: 41.5
 Noise: 0.2

Peak table for sample 6 : Tayeb 16 C 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 6 : Tayeb 16 C Soni

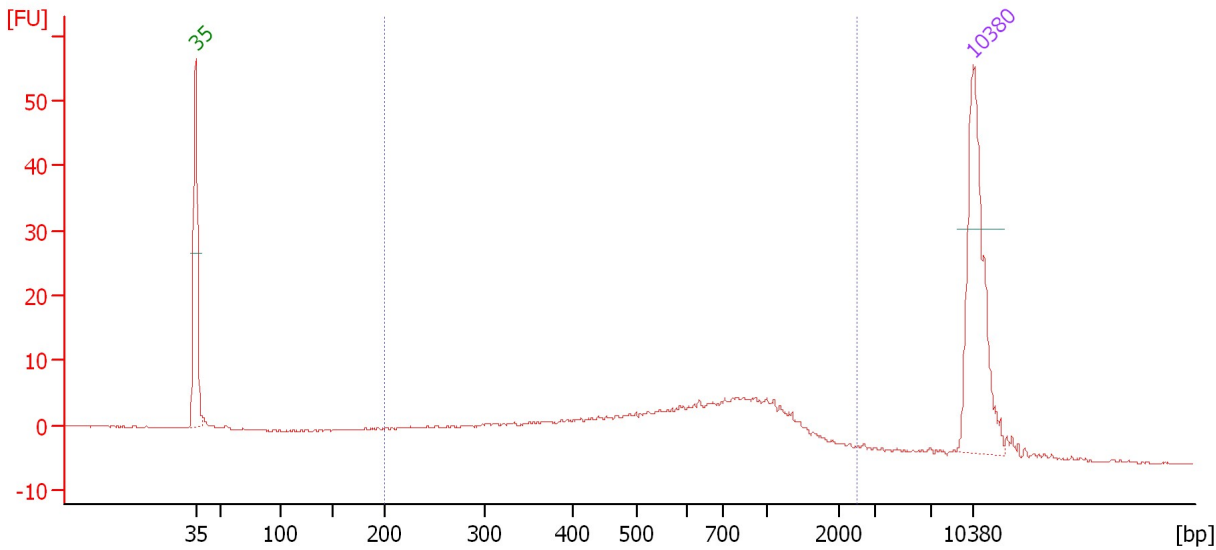
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	2,546	41.5	75	773	45.6	62.91	160.2	Blue

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Electropherogram Summary Continued ...

Tayeb 17 C Soni



Overall Results for sample 7 : Tayeb 17 C Soni

Number of peaks found: 0 Corr. Area 1: 198.0
 Noise: 0.1

Peak table for sample 7 : Tayeb 17 C 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

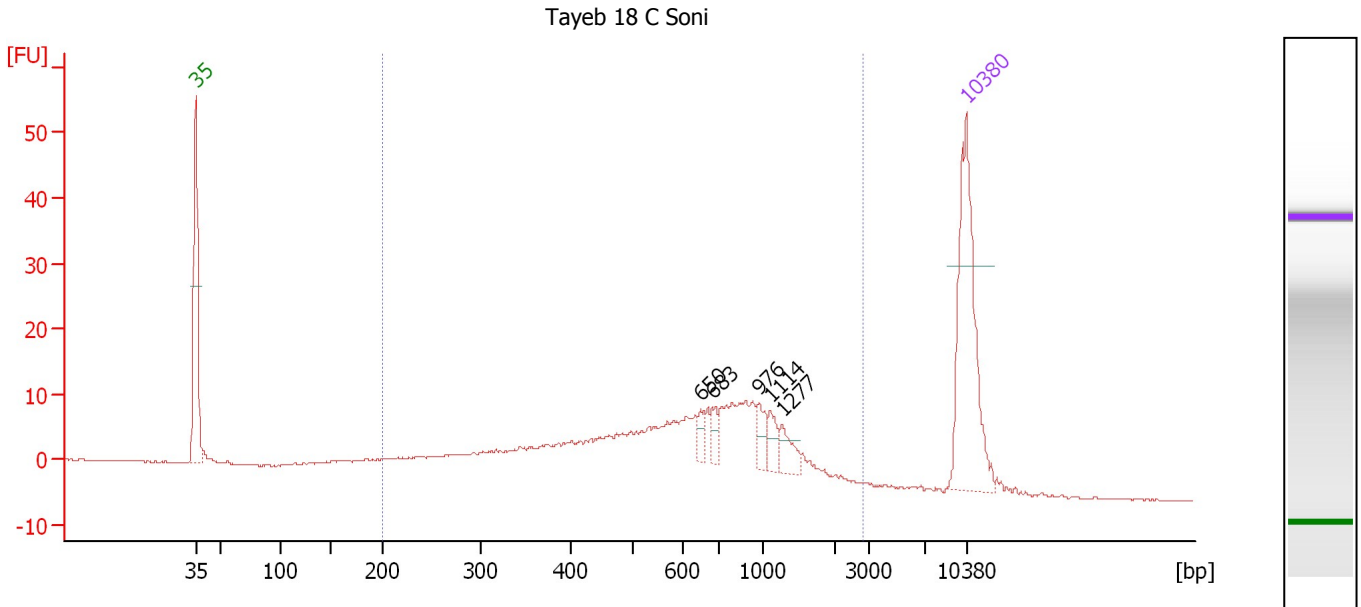
Region table for sample 7 : Tayeb 17 C Soni

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	2,486	198.0	86	699	56.9	228.52	723.7	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 8 : Tayeb 18 C Soni

Number of peaks found: 5 Corr. Area 1: 306.2
 Noise: 0.1

Peak table for sample 8 : Tayeb 18 C Soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	650	6.10	14.2	
3	683	6.79	15.1	
4	976	10.54	16.4	
5	1,114	8.87	12.1	
6	1,277	10.70	12.7	
7	10,380	75.00	10.9	Upper Marker

Region table for sample 8 : Tayeb 18 C Soni

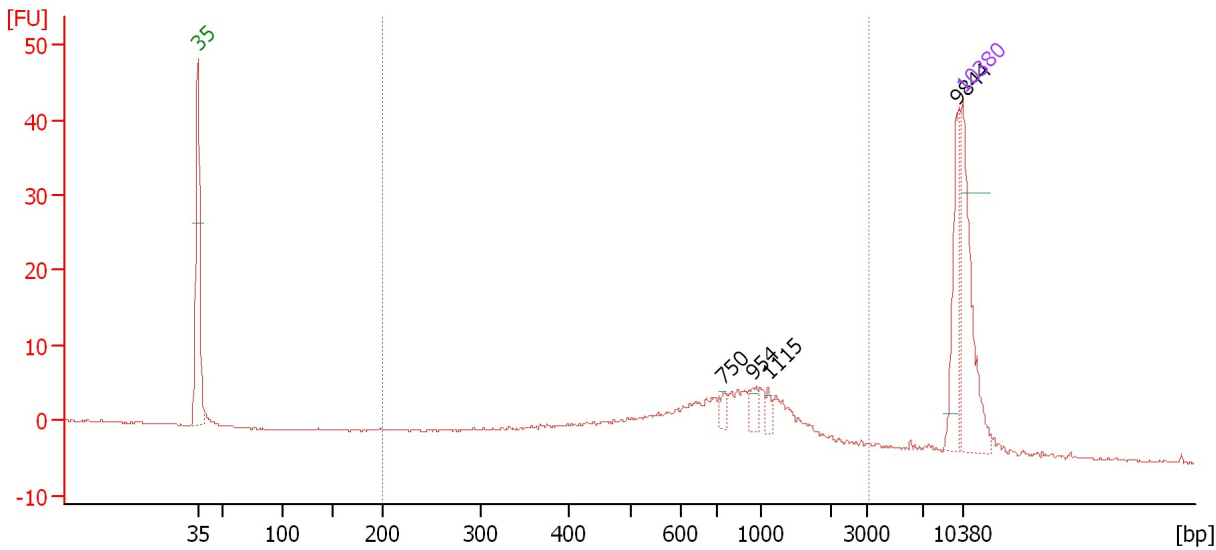
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	2,803	306.2	89	699	57.6	369.23	1,166.3	Blue

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Electropherogram Summary Continued ...

Tayeb 19 C Soni



Overall Results for sample 9 : Tayeb 19 C Soni

Number of peaks found: 4 Corr. Area 1: 143.0
 Noise: 0.1

Peak table for sample 9 : Tayeb 19 C Soni

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	750	8.30	16.8	
3	954	10.01	15.9	
4	1,115	6.33	8.6	
5	9,844	44.76	6.9	
6	10,380	75.00	10.9	Upper Marker

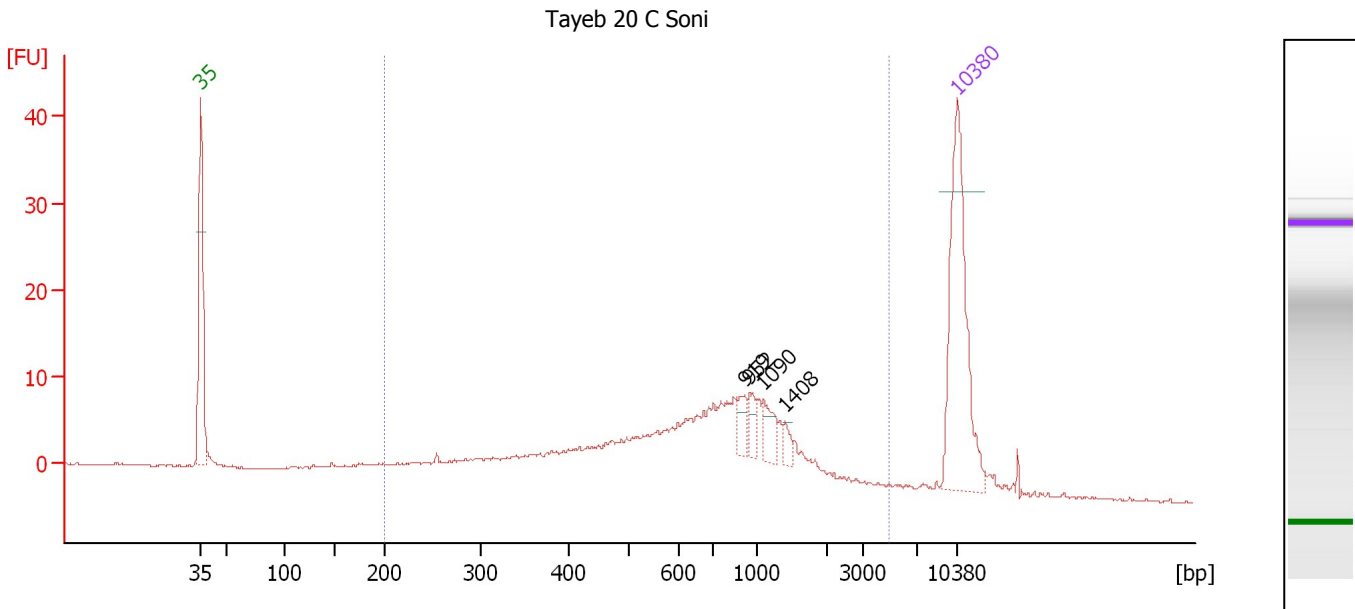
Region table for sample 9 : Tayeb 19 C Soni

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	3,129	143.0	77	842	57.4	294.65	771.3	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 10 : Tayeb 20 C Soni

Number of peaks found: 4 Corr. Area 1: 229.7
 Noise: 0.1

Peak table for sample 10 : Tayeb 20 C Soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	919	7.73	12.8	
3	952	8.04	12.8	
4	1,090	11.56	16.1	
5	1,408	4.51	4.9	
6	10,380	75.00	10.9	Upper Marker

Region table for sample 10 : Tayeb 20 C Soni

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	4,893	229.7	87	807	69.9	342.37	1,008.6	Blue

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Gel Image

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Invalid Samples

Sample 11 has not been run, no results available.

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-03\2014-09-03_004.xad

Created: 9/3/2014 3:06:25 PM
 Modified: 9/3/2014 4:14:20 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		9/3/2014 3:44:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-09-03\2014-09-03_004.xad)		Instrument	Run		9/3/2014 3:06:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		9/3/2014 3:06:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/3/2014 3:06:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/3/2014 3:06:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		9/3/2014 3:06:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/3/2014 3:06:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/3/2014 3:06:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1