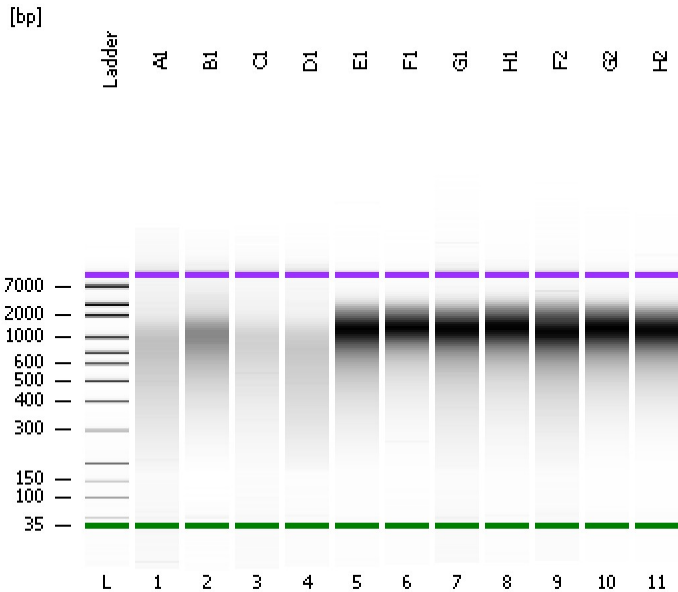


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
Modified: 10/18/2019 3:24:53 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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

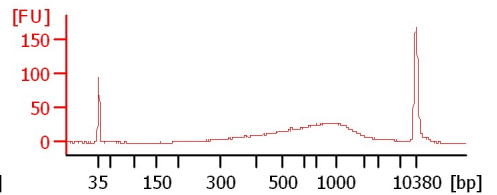
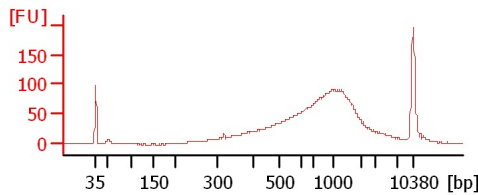
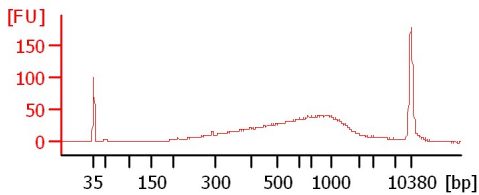
Chip Information:

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

A1

B1

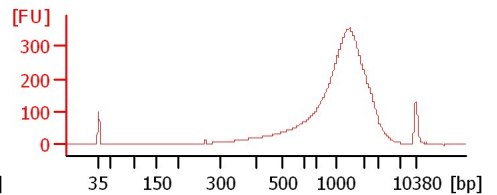
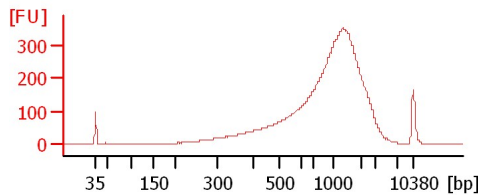
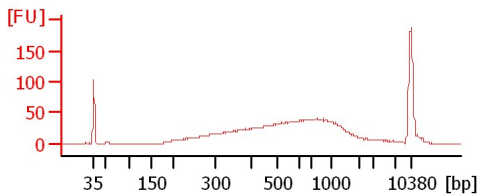
C1



D1

E1

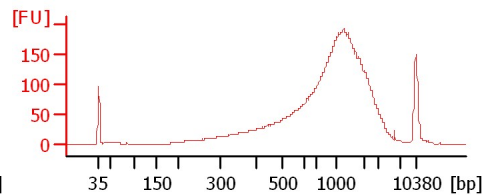
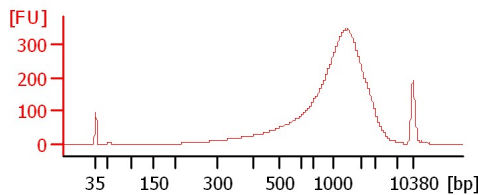
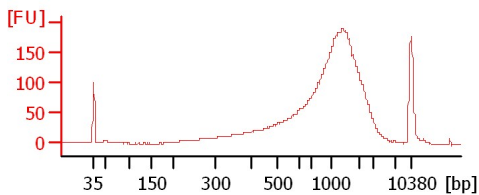
F1



G1

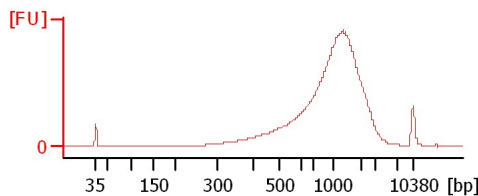
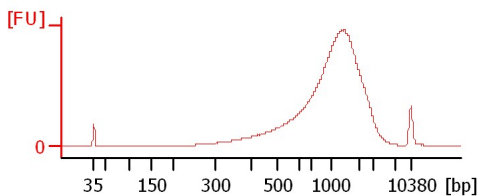
H1

F2



G2

H2



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
 Modified: 10/18/2019 3:24:53 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
A1		<input type="checkbox"/>	✓			
B1		<input type="checkbox"/>	✓			
C1		<input type="checkbox"/>	✓			
D1		<input type="checkbox"/>	✓			
E1		<input type="checkbox"/>	✓			
F1		<input type="checkbox"/>	✓			
G1		<input type="checkbox"/>	✓			
H1		<input type="checkbox"/>	✓			
F2		<input type="checkbox"/>	✓			
G2		<input type="checkbox"/>	✓			
H2		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
Modified: 10/18/2019 3:24:53 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

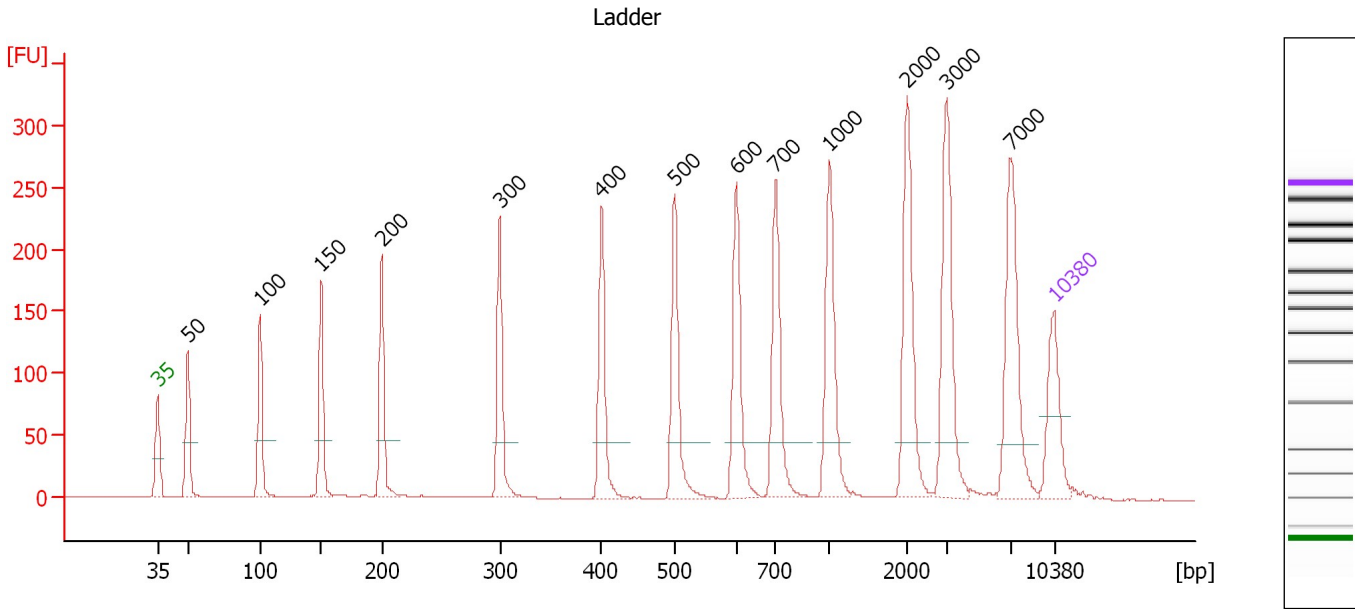
Ladder

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:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
 Modified: 10/18/2019 3:24:53 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

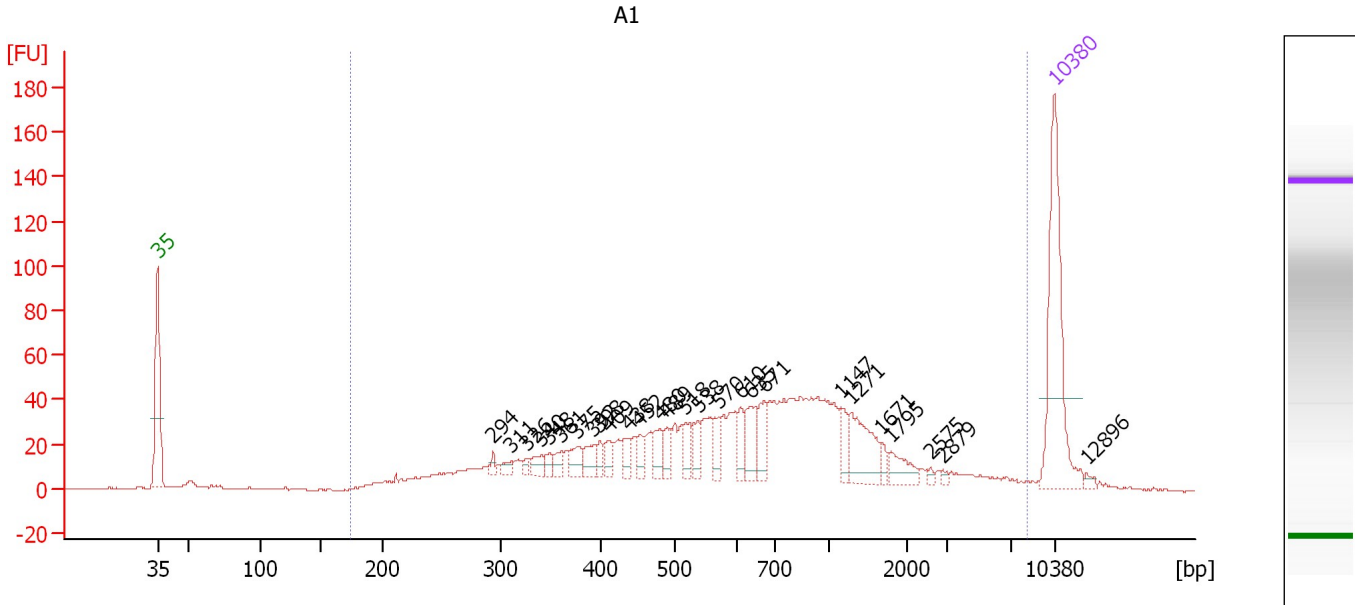
Peak table for Ladder

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	50.99
4	150	150.00	1,515.2	Ladder Peak	55.76
5	200	150.00	1,136.4	Ladder Peak	60.49
6	300	150.00	757.6	Ladder Peak	69.72
7	400	150.00	568.2	Ladder Peak	77.67
8	500	150.00	454.5	Ladder Peak	83.38
9	600	150.00	378.8	Ladder Peak	88.19
10	700	150.00	324.7	Ladder Peak	91.23
11	1,000	150.00	227.3	Ladder Peak	95.42
12	2,000	150.00	113.6	Ladder Peak	101.53
13	3,000	150.00	75.8	Ladder Peak	104.61
14	7,000	150.00	32.5	Ladder Peak	109.65
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
 Modified: 10/18/2019 3:24:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : A1

Number of peaks found: 27 Corr. Area 1: 1,217.4
 Noise: 0.2

Peak table for sample 1 : A1

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	294	3.92	20.2		69.19
3	311	5.80	28.2		70.62
4	326	4.00	18.6		71.77
5	340	8.43	37.5		72.93
6	348	5.49	23.9		73.55
7	361	7.08	29.7		74.53
8	375	11.07	44.7		75.69
9	392	11.61	44.9		77.02
10	398	7.17	27.3		77.51
11	409	8.47	31.4		78.18
12	438	8.56	29.6		79.82
13	452	9.15	30.7		80.62
14	480	13.14	41.5		82.22
15	489	10.49	32.5		82.76
16	518	12.87	37.7		84.23
17	538	11.25	31.7		85.20
18	570	11.70	31.1		86.76
19	610	11.75	29.2		88.50
20	635	20.67	49.3		89.25
21	671	17.03	38.4		90.36
22	1,147	10.74	14.2		96.32
23	1,271	32.51	38.7		97.08
24	1,671	4.67	4.2		99.52
25	1,795	12.27	10.4		100.28

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
 Modified: 10/18/2019 3:24:53 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : A1

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,575	1.79	1.1		103.30
27	2,879	1.86	1.0		104.24
28	10,380	75.00	10.9	Upper Marker	113.00
29	12,896	0.00	0.0		115.49

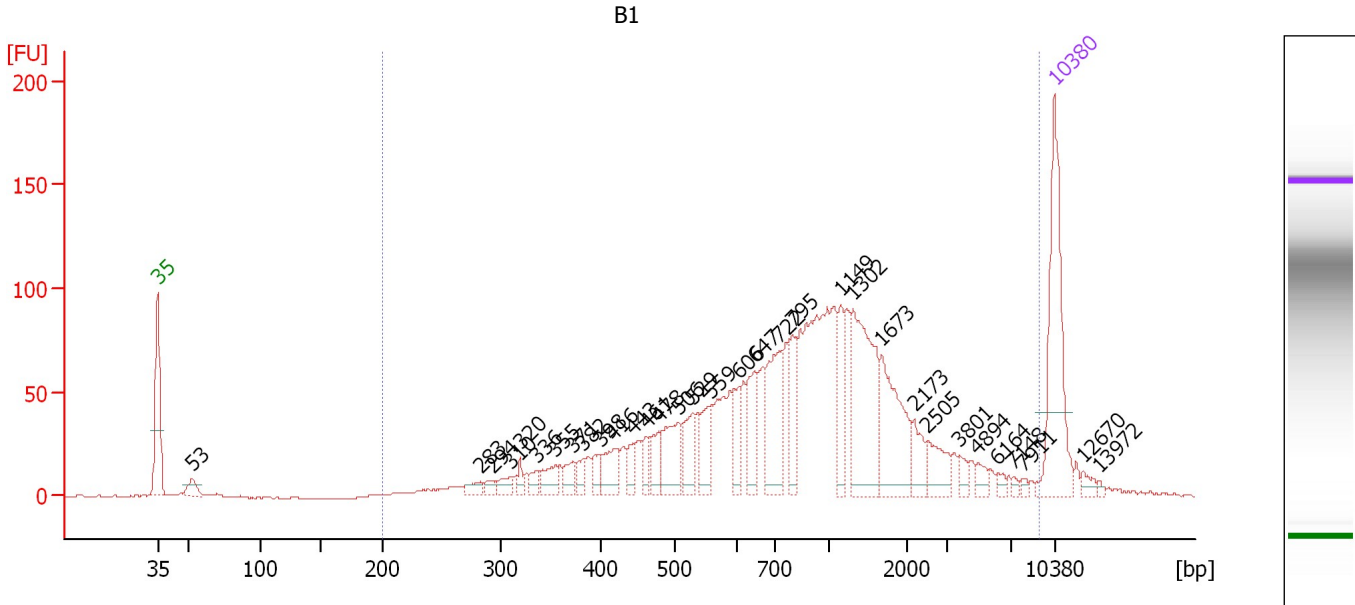
Region table for sample 1 : A1

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
175	8,273	933	695.71	1,217.4	2,071.5	96	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
 Modified: 10/18/2019 3:24:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : B1

Number of peaks found: 33 Corr. Area 1: 1,860.5
 Noise: 0.3

Peak table for sample 2 : B1

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	53	13.18	376.3		45.71
3	283	8.28	44.2		68.20
4	294	5.91	30.5		69.13
5	310	9.11	44.5		70.56
6	320	6.41	30.4		71.31
7	336	8.05	36.3		72.56
8	355	15.22	65.0		74.07
9	371	11.65	47.5		75.40
10	382	10.25	40.7		76.20
11	398	10.51	40.0		77.53
12	416	22.15	80.6		78.60
13	443	10.47	35.8		80.11
14	461	11.73	38.6		81.13
15	478	18.82	59.7		82.11
16	506	36.42	109.0		83.67
17	529	24.78	70.9		84.78
18	559	25.20	68.4		86.20
19	606	18.15	45.4		88.38
20	647	28.24	66.1		89.62
21	722	54.03	113.4		91.53
22	795	25.56	48.7		92.56
23	1,149	26.15	34.5		96.33
24	1,302	85.33	99.3		97.27
25	1,673	56.87	51.5		99.53

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
 Modified: 10/18/2019 3:24:53 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 :

B1

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,173	14.59	10.2		102.07
27	2,505	18.93	11.4		103.09
28	3,801	6.33	2.5		105.62
29	4,894	5.95	1.8		107.00
30	6,164	3.41	0.8		108.60
31	7,148	2.17	0.5		109.80
32	7,911	2.06	0.4		110.56
33	10,380	75.00	10.9	Upper Marker	113.00
34	12,670	0.00	0.0		115.27
35	13,972	0.00	0.0		116.56

Region table for sample 2 :

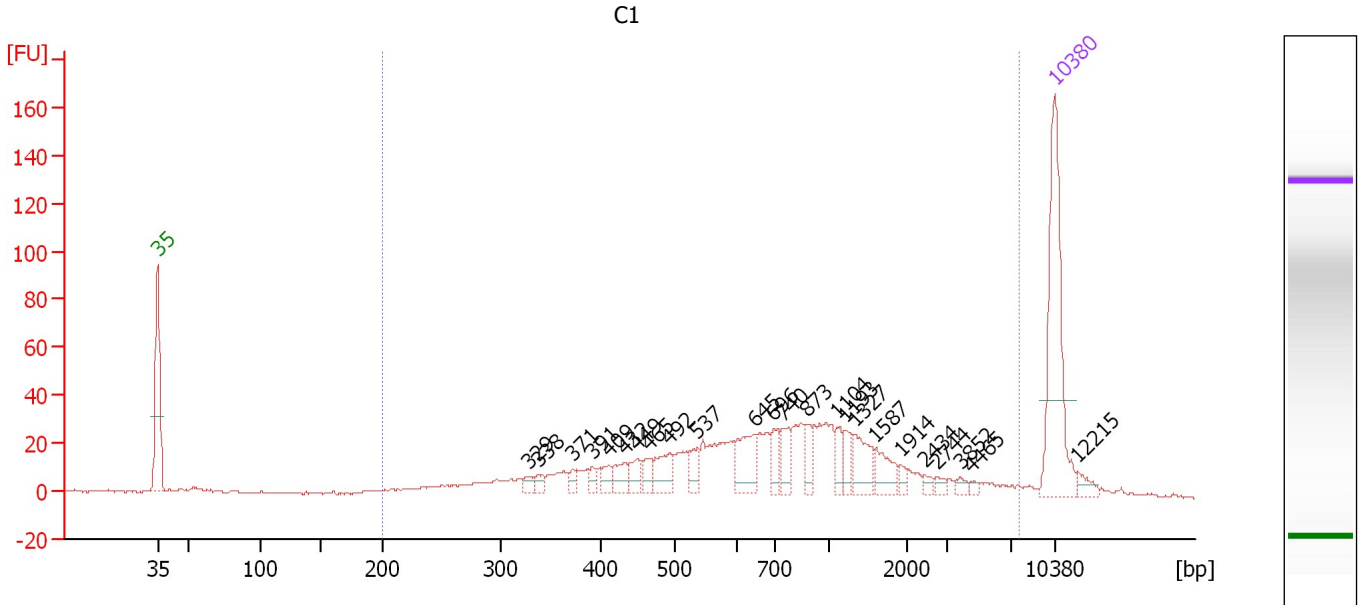
B1

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	9,209	1,203	955.82	1,860.5	2,184.0	97	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
 Modified: 10/18/2019 3:24:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : C1

Number of peaks found: 24 Corr. Area 1: 774.7
 Noise: 0.5

Peak table for sample 3 : C1

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	329	5.50	25.3		72.03
3	338	5.71	25.6		72.75
4	371	5.20	21.2		75.39
5	391	5.16	20.0		76.93
6	409	7.56	28.0		78.20
7	432	11.95	41.9		79.48
8	449	10.87	36.7		80.48
9	465	8.78	28.6		81.38
10	492	18.71	57.6		82.93
11	537	10.45	29.5		85.15
12	645	27.39	64.3		89.56
13	696	12.27	26.7		91.11
14	740	14.06	28.8		91.79
15	873	11.36	19.7		93.65
16	1,104	9.81	13.5		96.06
17	1,193	8.54	10.8		96.60
18	1,327	18.39	21.0		97.42
19	1,587	14.50	13.8		99.01
20	1,914	3.68	2.9		101.01
21	2,434	3.35	2.1		102.87
22	2,744	3.02	1.7		103.82
23	3,852	2.84	1.1		105.69
24	4,465	1.71	0.6		106.46
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
Modified: 10/18/2019 3:24:53 PM

Electropherogram Summary Continued ...**... Peak table for sample 3 : C1**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	12,215	0.00	0.0		114.82

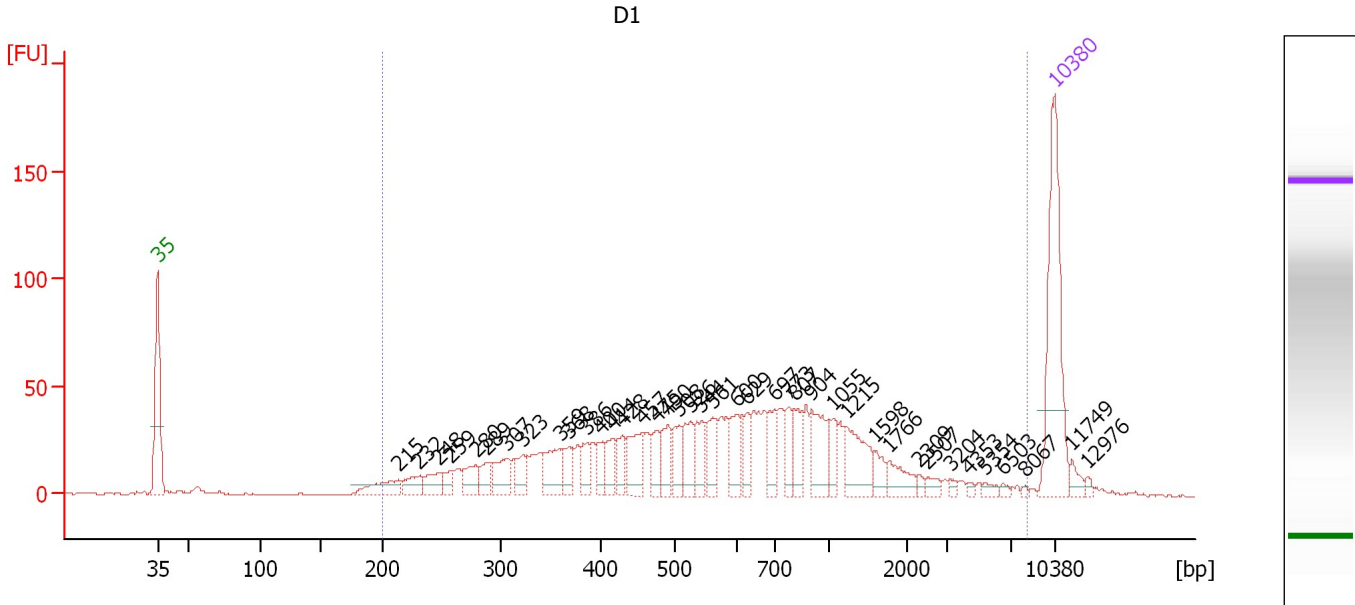
Region table for sample 3 : C1

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	7,615	1,052	458.24	774.7	1,218.6	 94	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
 Modified: 10/18/2019 3:24:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : D1

Number of peaks found: 40 Corr. Area 1: 1,318.6
 Noise: 0.3

Peak table for sample 4 : D1

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	215	20.83	147.1		61.83
3	232	14.27	93.3		63.42
4	248	14.98	91.5		64.92
5	259	8.55	50.1		65.90
6	280	18.17	98.2		67.91
7	289	12.62	66.1		68.75
8	307	20.24	100.0		70.24
9	323	17.19	80.6		71.55
10	359	25.53	107.8		74.40
11	368	14.93	61.4		75.15
12	386	13.91	54.6		76.55
13	400	11.26	42.7		77.67
14	414	15.25	55.8		78.47
15	428	14.81	52.4		79.26
16	457	27.24	90.4		80.90
17	475	13.73	43.8		81.93
18	490	20.50	63.4		82.81
19	508	16.44	49.1		83.75
20	526	20.95	60.3		84.64
21	544	18.69	52.1		85.48
22	561	19.92	53.8		86.32
23	600	17.72	44.7		88.19
24	629	13.86	33.4		89.07
25	697	16.78	36.5		91.13

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
 Modified: 10/18/2019 3:24:53 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : D1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	773	14.29	28.0		92.25
27	807	17.09	32.1		92.72
28	904	29.14	48.9		94.07
29	1,055	10.88	15.6		95.76
30	1,215	30.26	37.7		96.74
31	1,598	8.34	7.9		99.07
32	1,766	12.87	11.0		100.10
33	2,309	2.64	1.7		102.49
34	2,507	4.71	2.9		103.09
35	3,204	1.90	0.9		104.87
36	4,353	1.70	0.6		106.32
37	5,354	3.25	0.9		107.58
38	6,503	1.78	0.4		109.03
39	8,067	1.13	0.2		110.71
40	10,380	75.00	10.9	Upper Marker	113.00
41	11,749	0.00	0.0		114.36
42	12,976	0.00	0.0		115.57

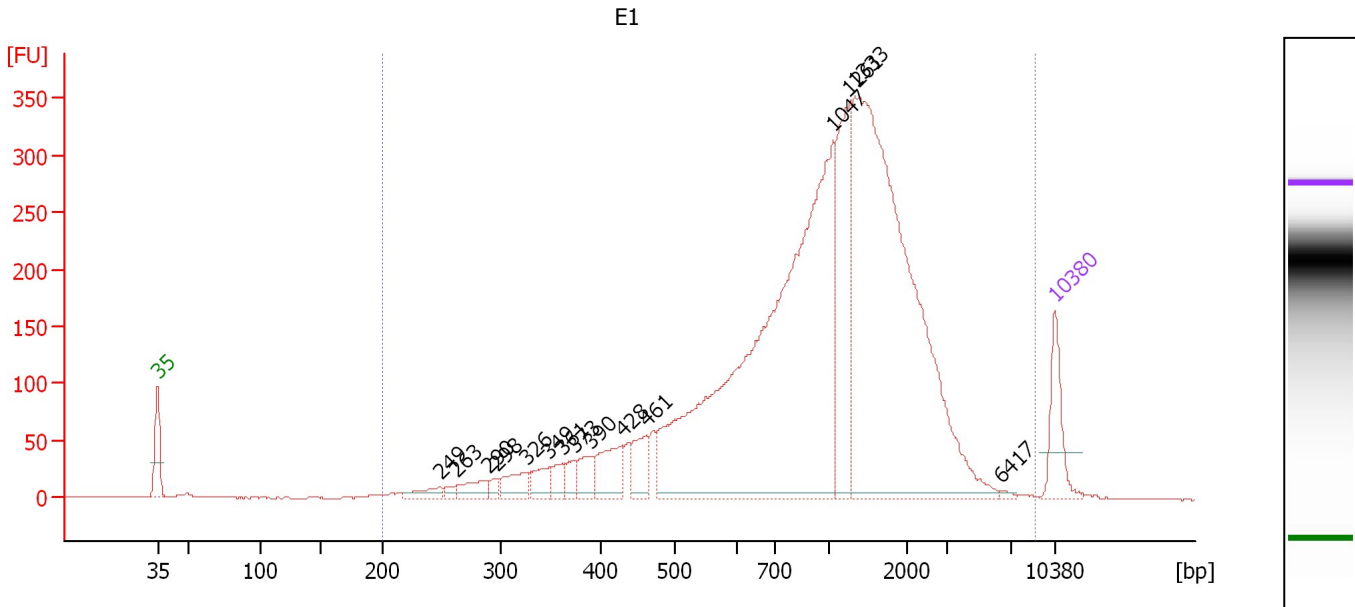
Region table for sample 4 : D1

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	8,164	867	721.13	1,318.6	2,281.2	95	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
 Modified: 10/18/2019 3:24:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : E1

Number of peaks found: 15 Corr. Area 1: 5,355.7
 Noise: 0.3

Peak table for sample 5 : E1

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	249	29.06	176.5		65.05
3	263	11.97	69.1		66.27
4	290	40.89	213.7		68.79
5	298	14.69	74.7		69.52
6	326	50.05	232.5		71.81
7	349	43.36	188.3		73.60
8	361	30.97	130.0		74.58
9	373	28.53	116.0		75.50
10	390	47.32	183.9		76.86
11	428	88.18	311.9		79.29
12	461	64.51	212.2		81.13
13	1,047	1,306.28	1,891.2		95.71
14	1,261	230.14	276.5		97.02
15	1,333	1,168.23	1,328.2		97.46
16	6,417	4.40	1.0		108.92
17	10,380	75.00	10.9	Upper Marker	113.00

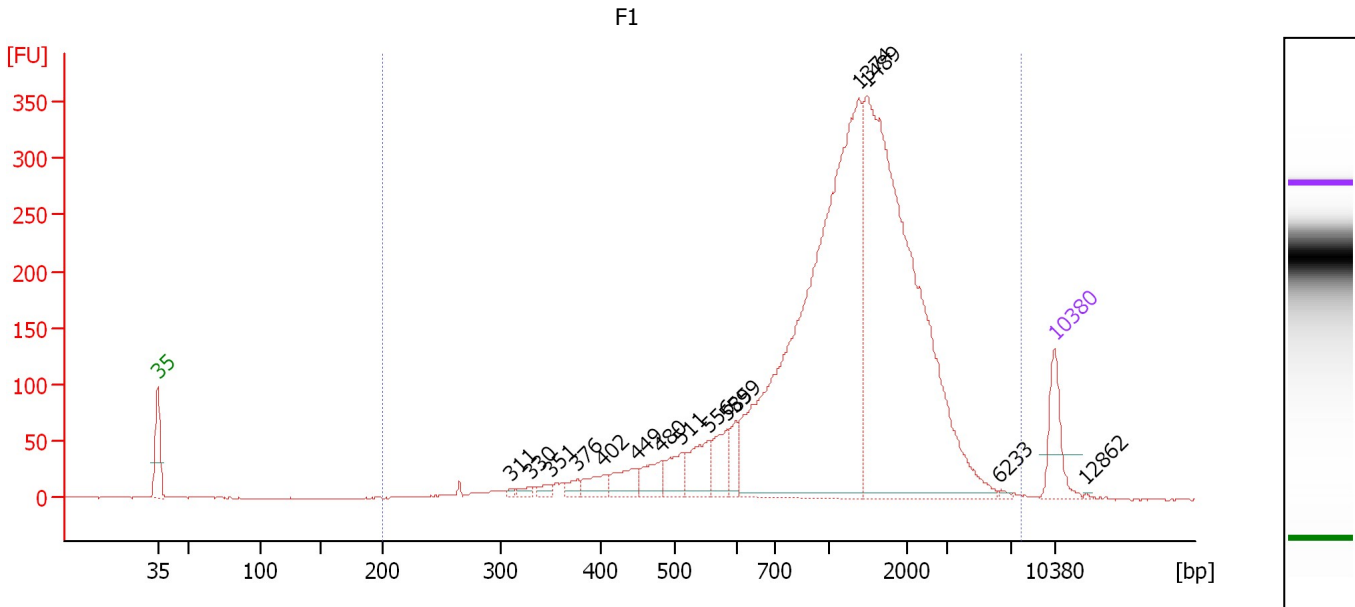
Region table for sample 5 : E1

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	8,921	1,237	3,419.66	5,355.7	6,834.6	99	68.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

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 Modified: 10/18/2019 3:24:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : F1

Number of peaks found: 15 Corr. Area 1: 4,281.6
 Noise: 0.2

Peak table for sample 6 : F1

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	311	6.13	29.8		70.63
3	330	11.93	54.7		72.13
4	351	15.01	64.9		73.74
5	376	18.40	74.1		75.79
6	402	40.16	151.2		77.80
7	449	57.53	194.2		80.46
8	480	52.01	164.0		82.26
9	511	62.56	185.4		83.92
10	556	84.87	231.3		86.07
11	585	70.40	182.3		87.48
12	599	43.07	109.0		88.13
13	1,374	1,263.98	1,394.1		97.71
14	1,489	1,144.17	1,164.6		98.41
15	6,233	4.18	1.0		108.69
16	10,380	75.00	10.9	Upper Marker	113.00
17	12,862	0.00	0.0		115.46

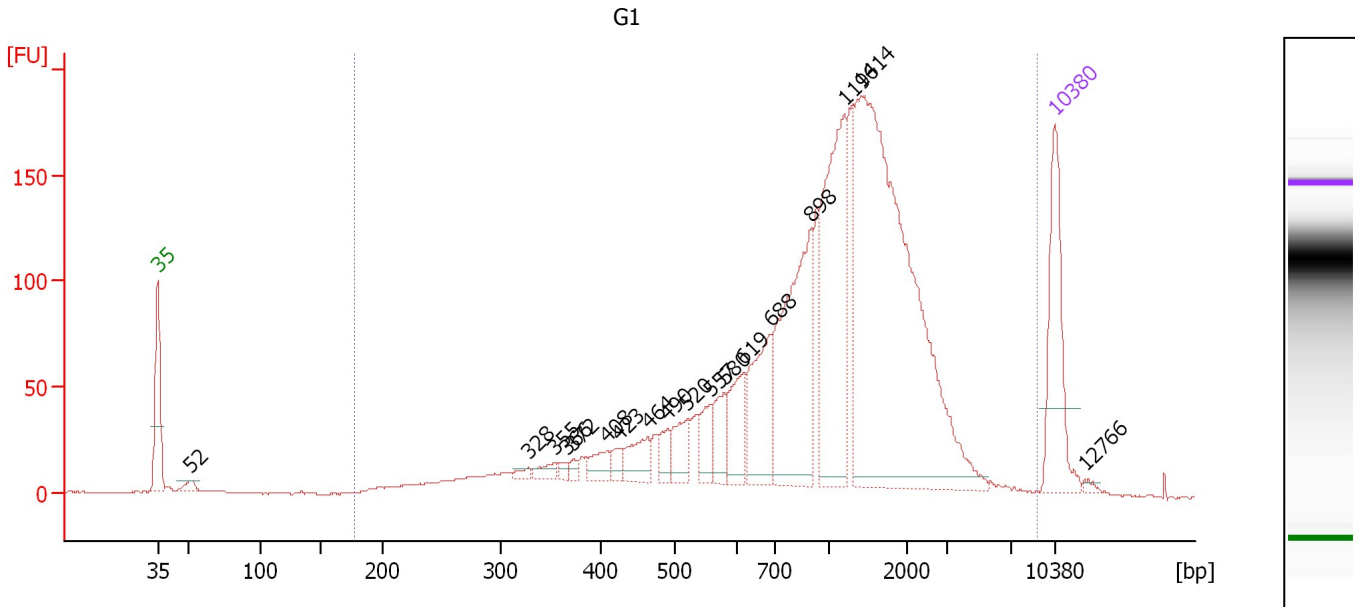
Region table for sample 6 : F1

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	7,730	1,398	3,087.77	4,281.6	5,095.1	99	60.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
 Modified: 10/18/2019 3:24:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : G1

Number of peaks found: 18 Corr. Area 1: 2,752.5
 Noise: 0.3

Peak table for sample 7 : G1

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	52	9.90	286.9		45.62
3	328	5.37	24.8		71.97
4	355	10.40	44.4		74.07
5	366	5.30	22.0		74.94
6	372	5.25	21.4		75.46
7	408	18.74	69.6		78.13
8	423	10.26	36.7		79.00
9	464	28.92	94.5		81.31
10	490	16.29	50.4		82.80
11	520	28.36	82.6		84.34
12	557	25.43	69.1		86.14
13	580	28.57	74.7		87.22
14	619	44.15	108.1		88.76
15	688	78.99	173.9		90.86
16	898	168.11	283.6		94.00
17	1,196	170.30	215.8		96.62
18	1,414	472.64	506.5		97.95
19	10,380	75.00	10.9	Upper Marker	113.00
20	12,766	0.00	0.0		115.36

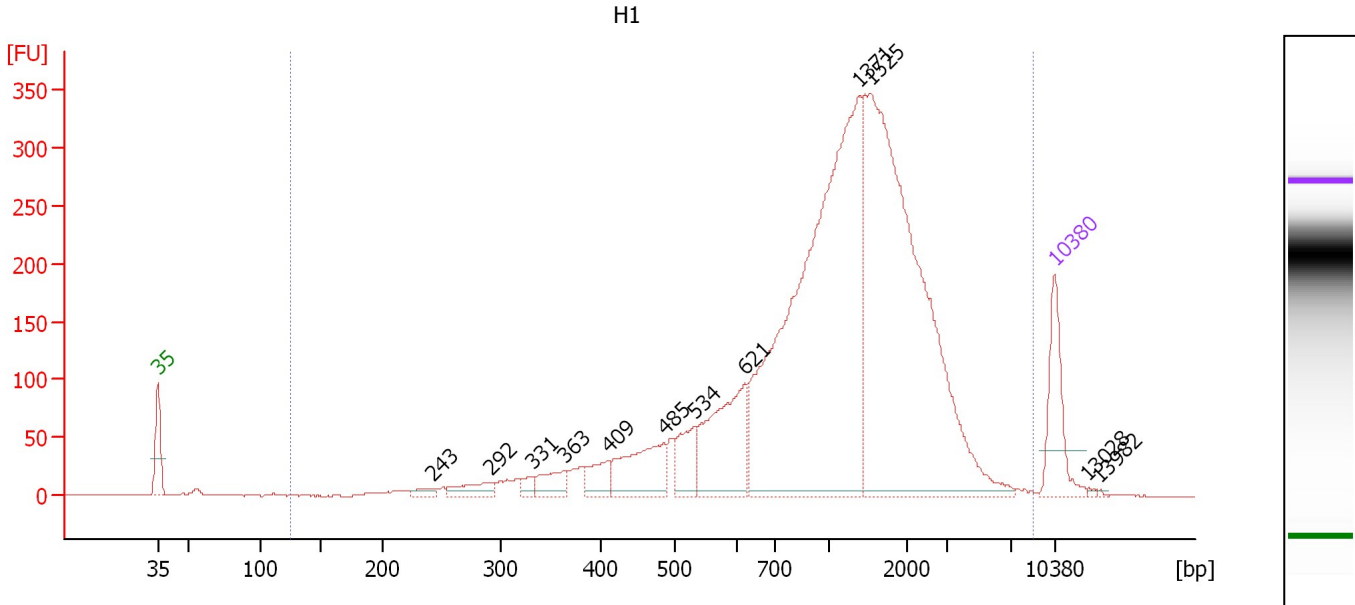
Region table for sample 7 : G1

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
177	9,035	1,275	1,452.95	2,752.5	2,925.2	98	70.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
 Modified: 10/18/2019 3:24:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : H1

Number of peaks found: 12 Corr. Area 1: 4,870.1
 Noise: 0.3

Peak table for sample 8 : H1

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	243	10.55	65.7		64.50
3	292	31.39	163.1		68.96
4	331	13.37	61.2		72.21
5	363	37.04	154.6		74.72
6	409	37.39	138.5		78.18
7	485	105.79	330.3		82.54
8	534	56.08	159.2		85.00
9	621	165.01	402.7		88.83
10	1,371	812.48	897.9		97.69
11	1,525	761.99	756.9		98.63
12	10,380	75.00	10.9	Upper Marker	113.00
13	13,028	0.00	0.0		115.62
14	13,982	0.00	0.0		116.57

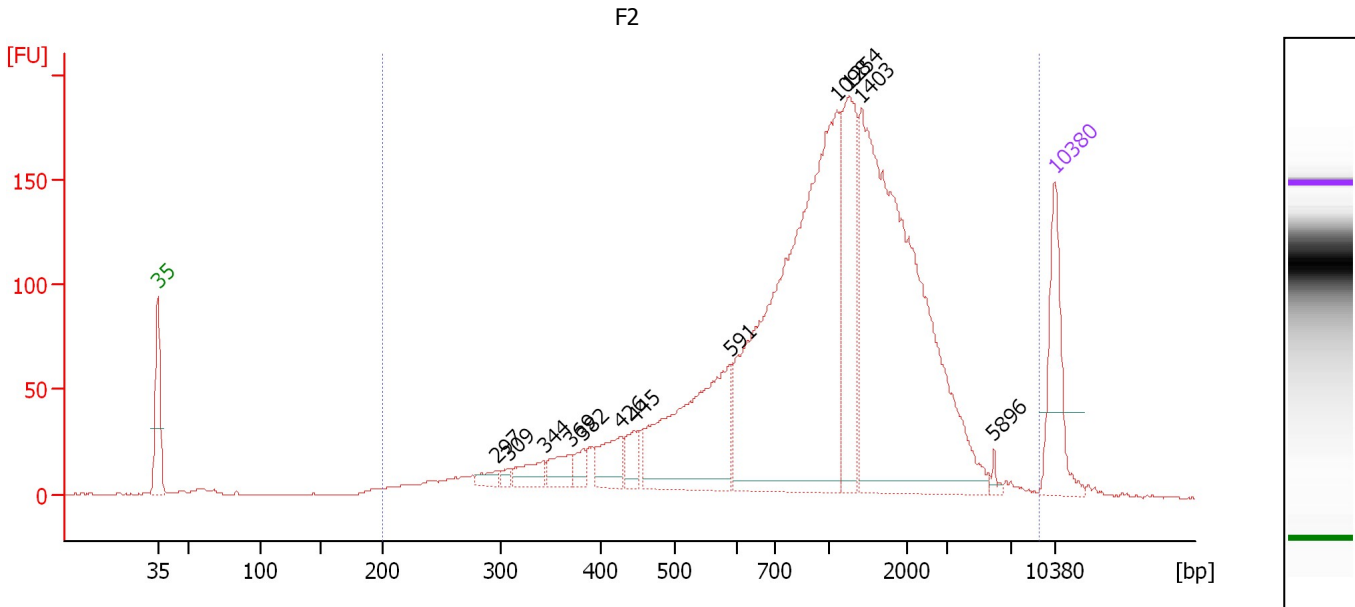
Region table for sample 8 : H1

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
125	8,654	1,379	2,211.16	4,870.1	4,075.7	99	67.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
 Modified: 10/18/2019 3:24:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : F2

Number of peaks found: 12 Corr. Area 1: 3,097.0
 Noise: 0.2

Peak table for sample 9 : F2

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	297	13.24	67.7		69.40
3	309	7.50	36.7		70.47
4	344	26.48	116.8		73.18
5	369	29.55	121.3		75.21
6	382	15.36	61.0		76.22
7	426	43.14	153.5		79.14
8	445	25.49	86.7		80.26
9	591	215.02	551.1		87.77
10	1,098	590.09	814.5		96.02
11	1,254	144.86	175.0		96.98
12	1,403	541.69	585.2		97.88
13	5,896	4.78	1.2		108.26
14	10,380	75.00	10.9	Upper Marker	113.00

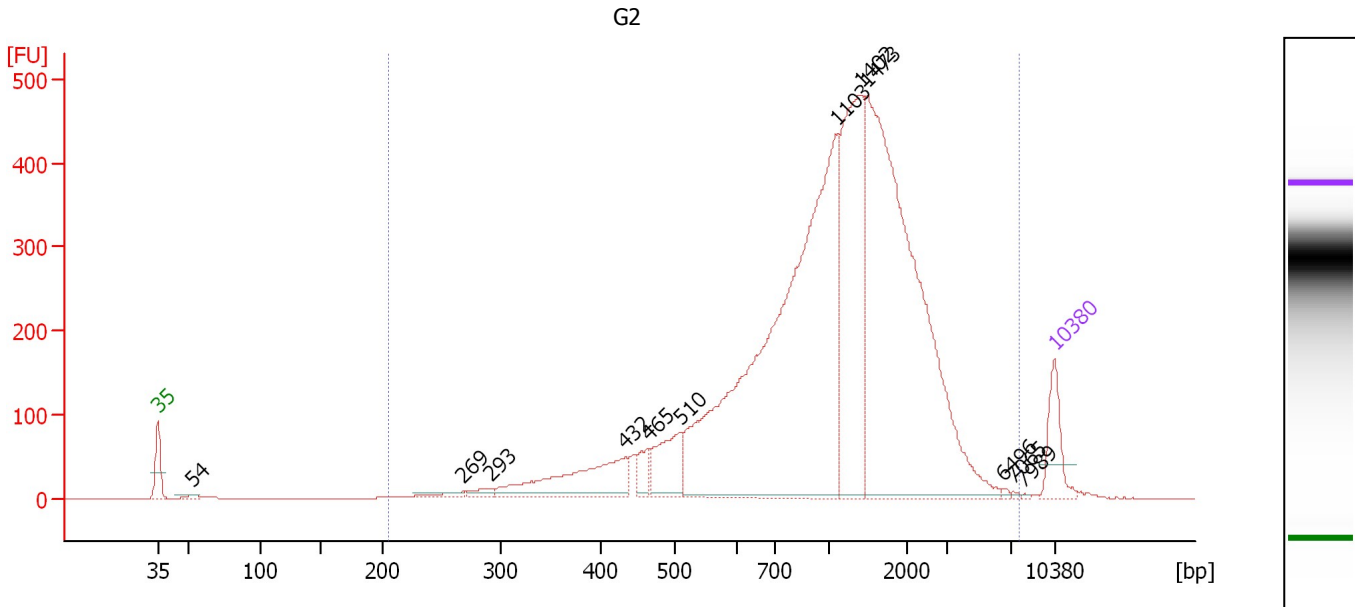
Region table for sample 9 : F2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	9,226	1,283	1,919.16	3,097.0	3,949.3	99	76.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
 Modified: 10/18/2019 3:24:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : G2

Number of peaks found: 12 Corr. Area 1: 6,733.8
 Noise: 0.3

Peak table for sample 10 : G2

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	54	11.38	320.3		45.80
3	269	17.47	98.3		66.89
4	293	21.23	109.9		69.04
5	432	232.25	815.0		79.48
6	465	45.36	147.9		81.36
7	510	130.00	386.5		83.84
8	1,103	1,410.85	1,938.0		96.05
9	1,402	492.13	531.7		97.88
10	1,473	1,186.81	1,221.0		98.31
11	6,496	3.80	0.9		109.02
12	7,065	2.30	0.5		109.72
13	7,989	1.58	0.3		110.63
14	10,380	75.00	10.9	Upper Marker	113.00

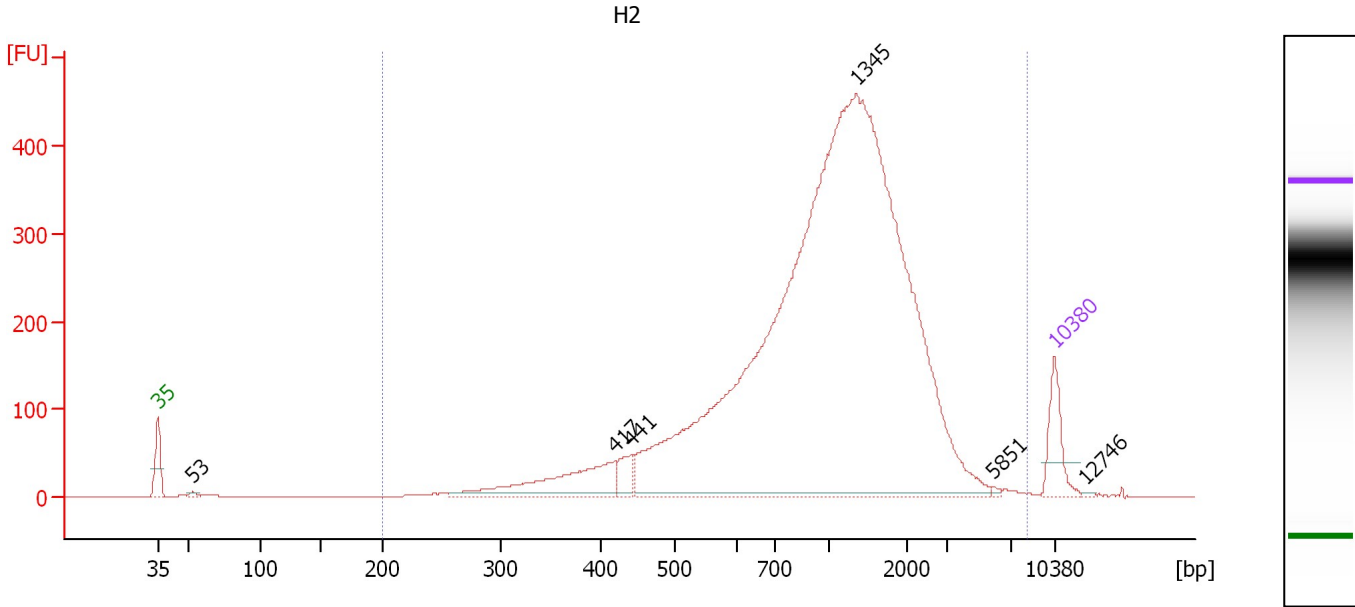
Region table for sample 10 : G2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
206	7,656	1,314	3,816.67	6,733.8	6,887.9	99	64.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
 Modified: 10/18/2019 3:24:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : H2

Number of peaks found: 6 Corr. Area 1: 6,104.1
 Noise: 0.2

Peak table for sample 11 : H2

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	53	10.33	294.1		45.72
3	417	202.65	736.6		78.63
4	441	50.94	175.1		79.99
5	1,345	2,984.47	3,362.6		97.53
6	5,851	3.49	0.9		108.21
7	10,380	75.00	10.9	Upper Marker	113.00
8	12,746	0.00	0.0		115.34

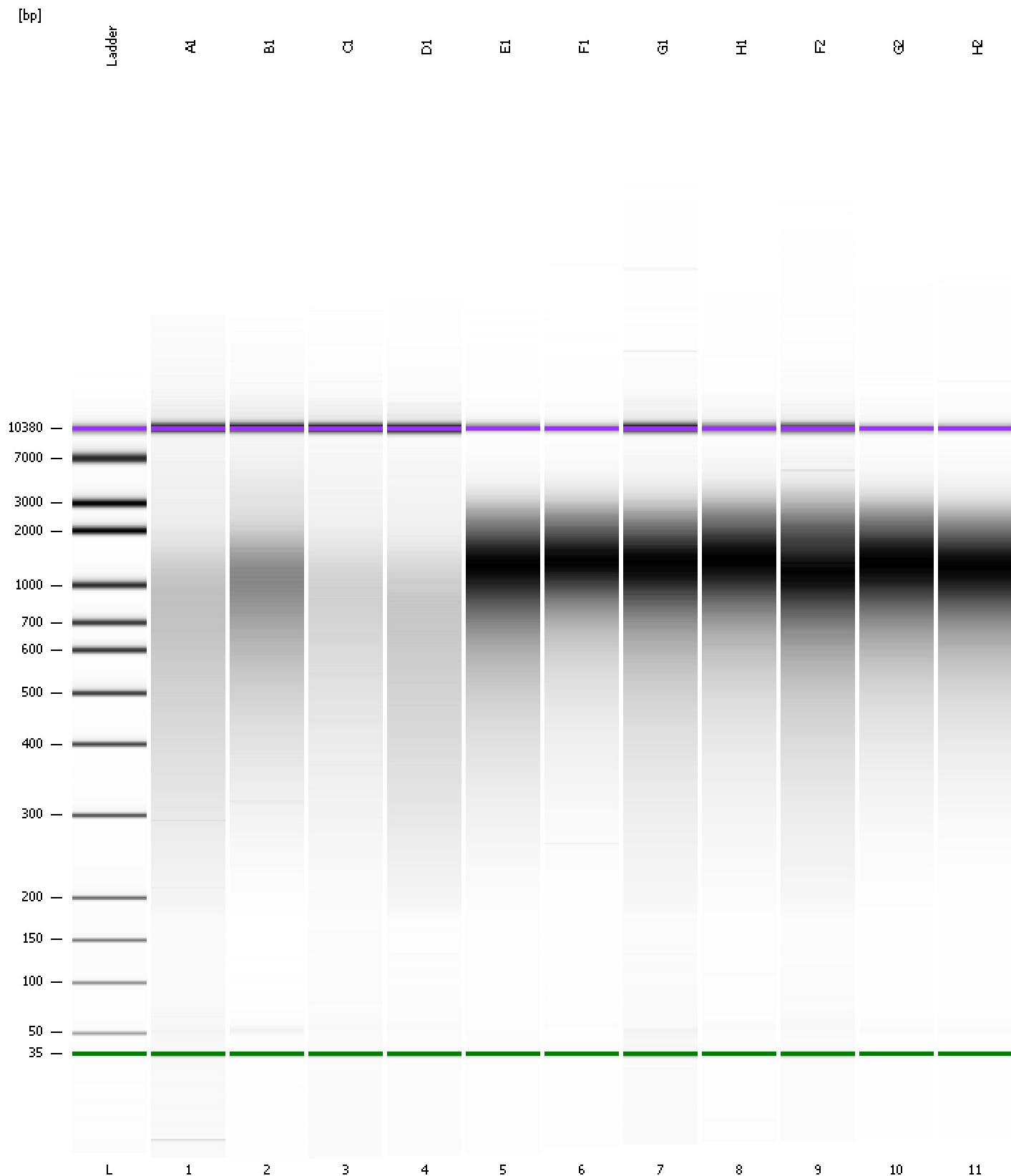
Region table for sample 11 : H2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	8,276	1,256	3,588.33	6,104.1	6,552.2	99	63.9

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
Modified: 10/18/2019 3:24:53 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad

Created: 10/18/2019 2:42:27 PM
 Modified: 10/18/2019 3:24:53 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		10/18/2019 3:23:45 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-10-18\2019-10-18_003.xad)		Instrument	Run		10/18/2019 2:42:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		10/18/2019 2:42:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/18/2019 2:42:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/18/2019 2:42:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		10/18/2019 2:42:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/18/2019 2:42:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/18/2019 2:42:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1