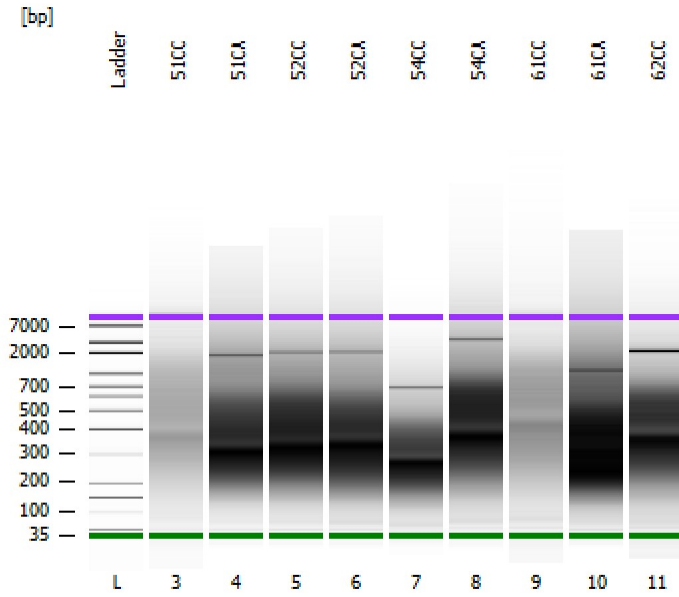


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
Modified: 12/4/2023 10:42:30 AM

**Electrophoresis File Run Summary**



Instrument Information:

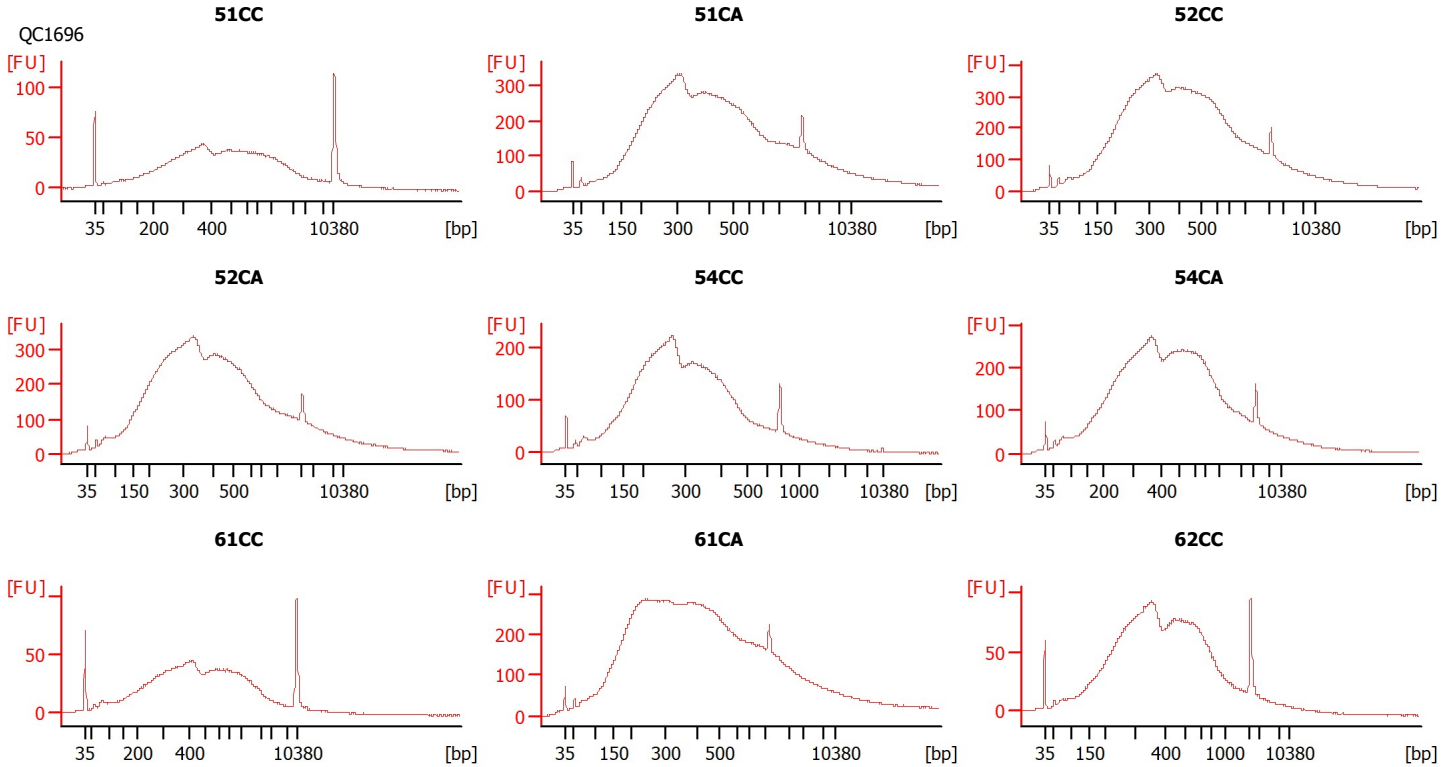
Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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:



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
51CC	QC1696	<input type="checkbox"/>		✓		
51CA		<input type="checkbox"/>		✓		
52CC		<input type="checkbox"/>		✓		
52CA		<input type="checkbox"/>		✓		
54CC		<input type="checkbox"/>		✓		
54CA		<input type="checkbox"/>		✓		
61CC		<input type="checkbox"/>		✓		
61CA		<input type="checkbox"/>		✓		
62CC		<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**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

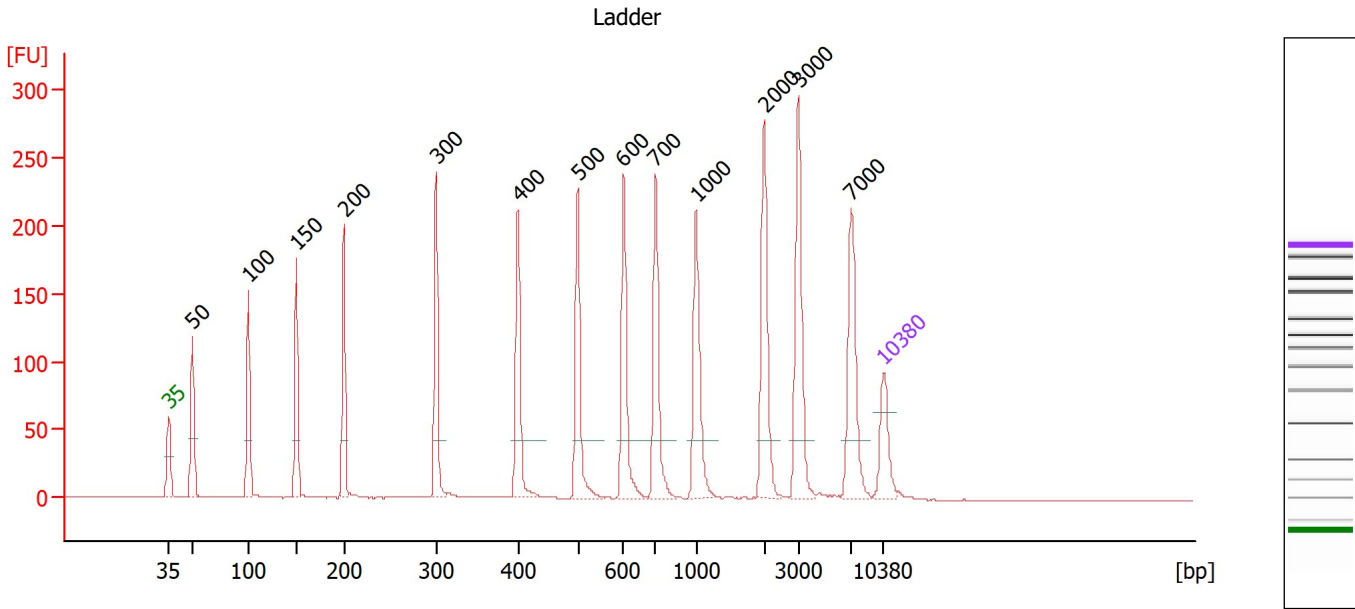
**Ladder**

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:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

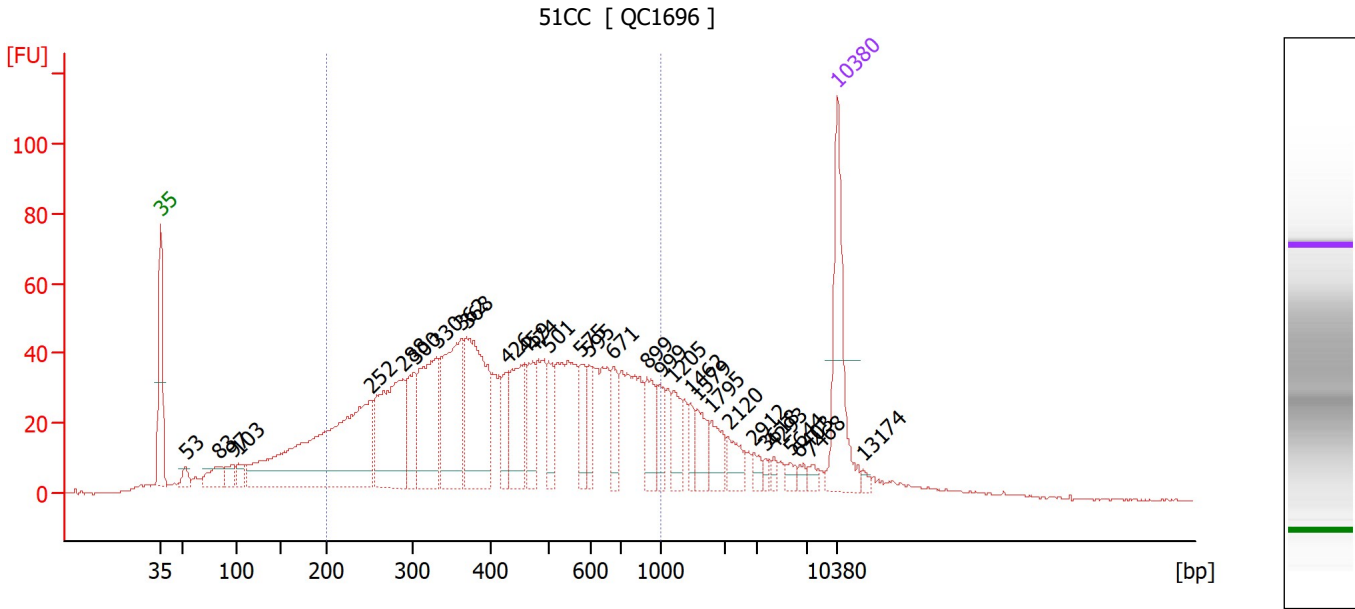
**Peak table for Ladder**

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

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 51CC**

Number of peaks found: 31                      Corr. Area 1: 1,495.2  
 Noise: 0.3

**Peak table for sample 3 : 51CC**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	53	12.45	358.2	
3	83	28.13	511.5	
4	97	15.23	238.1	
5	103	13.38	197.2	
6	252	305.99	1,840.4	
7	288	145.27	764.5	
8	300	50.63	255.6	
9	330	106.14	488.0	
10	362	125.59	526.0	
11	368	140.53	578.7	
12	426	27.69	98.6	
13	459	67.53	223.1	
14	474	35.90	114.8	
15	501	30.69	92.8	
16	575	27.25	71.8	
17	595	24.48	62.4	
18	671	27.39	61.8	
19	899	35.29	59.5	
20	999	17.48	26.5	
21	1,205	23.57	29.6	
22	1,462	12.93	13.4	
23	1,579	21.78	20.9	
24	1,795	20.68	17.5	
25	2,120	18.64	13.3	
26	2,912	6.90	3.6	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 3 : 51CC**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	3,618	4.26	1.8	
28	4,293	4.57	1.6	
29	5,644	5.79	1.6	
30	6,403	4.37	1.0	
31	7,468	5.21	1.1	
32	10,380	75.00	10.9	Upper Marker
33	13,174	0.00	0.0	

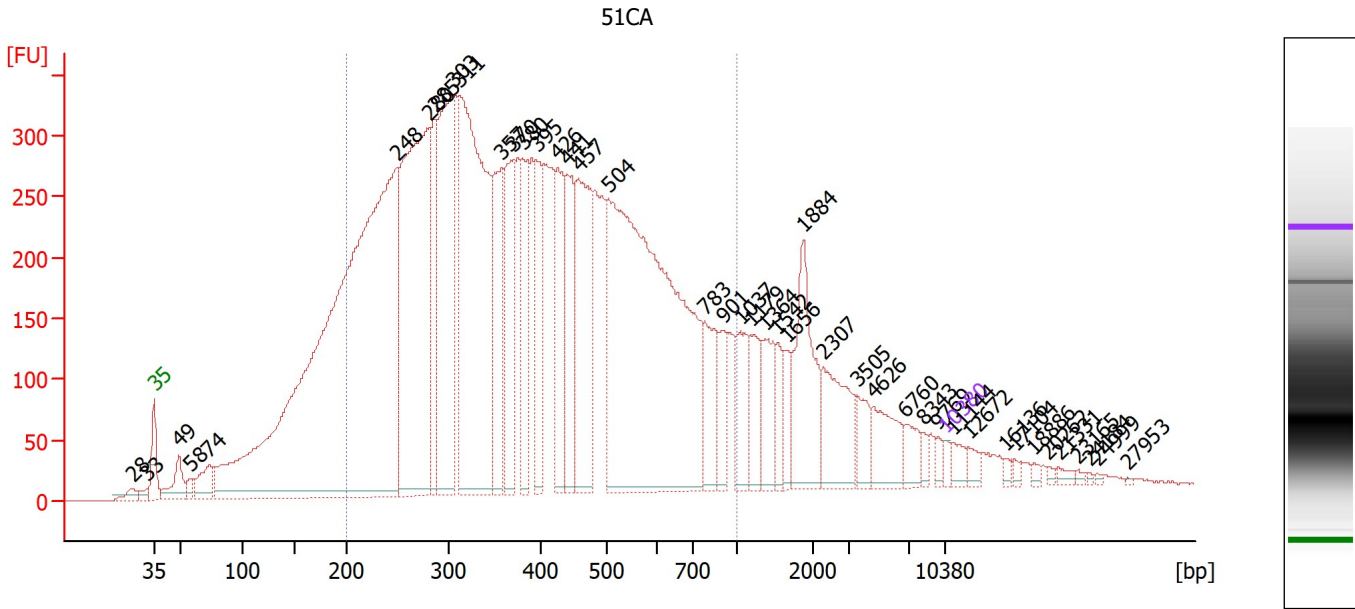
**Region table for sample 3 : 51CC**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,495.2	71	462	40.1	1,471.48	5,975.4	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 51CA**

Number of peaks found: 43                      Corr. Area 1: 11,778.4  
 Noise: 0.4

**Peak table for sample 4 : 51CA**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	28	0.00	0.0	
2	33	0.00	0.0	
3	35	125.00	5,411.3	Lower Marker
4	49	492.60	15,176.5	
5	58	148.13	3,876.5	
6	74	482.79	9,908.3	
7	248	14,890.72	90,897.5	
8	280	5,603.90	30,314.2	
9	285	1,279.04	6,792.2	
10	303	3,241.51	16,215.4	
11	311	5,443.08	26,509.2	
12	357	1,497.50	6,346.9	
13	370	1,421.51	5,814.7	
14	380	1,189.06	4,736.3	
15	395	941.54	3,611.0	
16	426	1,135.69	4,044.0	
17	441	1,162.05	3,993.9	
18	457	1,887.77	6,258.9	
19	504	7,746.48	23,291.9	
20	783	673.84	1,303.9	
21	901	386.26	649.7	
22	1,037	501.88	733.3	
23	1,179	517.59	664.9	
24	1,364	484.60	538.1	
25	1,542	243.73	239.4	
26	1,656	229.95	210.3	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 4 : 51CA**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	1,884	1,055.58	848.8	
28	2,307	740.77	486.5	
29	3,505	264.90	114.5	
30	4,626	463.22	151.7	
31	6,760	203.80	45.7	
32	8,343	71.51	13.0	
33	9,769	67.22	10.4	
34	10,380	75.00	10.9	Upper Marker
35	11,144	0.00	0.0	
36	12,672	0.00	0.0	
37	16,136	0.00	0.0	
38	17,104	0.00	0.0	
39	18,886	0.00	0.0	
40	20,262	0.00	0.0	
41	21,331	0.00	0.0	
42	23,165	0.00	0.0	
43	24,184	0.00	0.0	
44	24,999	0.00	0.0	
45	27,953	0.00	0.0	

**Region table for sample 4 : 51CA**

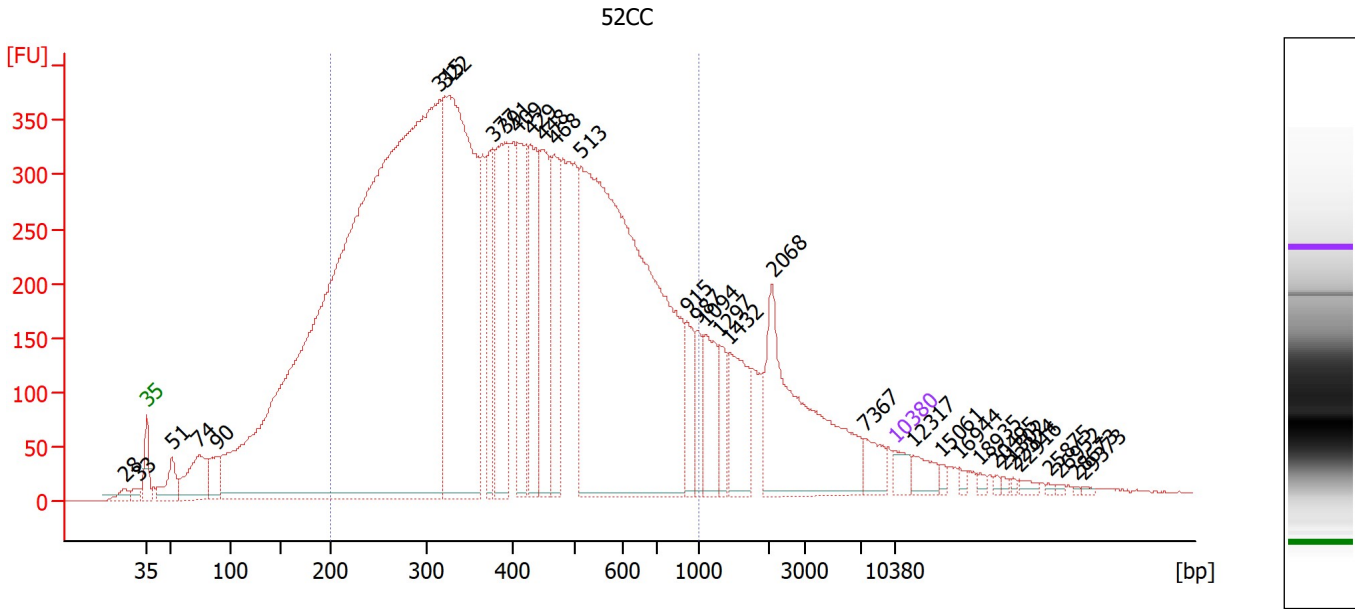
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	1,000	11,778.4	74	414	40.3	47,021.30	209,482.5	



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 52CC**

Number of peaks found: 33                      Corr. Area 1: 13,761.9  
 Noise: 0.8

**Peak table for sample 5 : 52CC**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	28	0.00	0.0	
2	33	0.00	0.0	
3	35	125.00	5,411.3	Lower Marker
4	51	256.05	7,625.1	
5	74	482.02	9,920.4	
6	90	207.50	3,511.3	
7	315	11,684.12	56,171.9	
8	322	3,370.59	15,860.9	
9	377	498.45	2,005.6	
10	391	1,022.19	3,962.8	
11	409	701.22	2,599.6	
12	429	754.74	2,664.5	
13	448	732.49	2,477.7	
14	468	609.46	1,975.1	
15	513	4,863.48	14,357.1	
16	915	240.85	398.8	
17	987	152.21	233.7	
18	1,094	348.53	482.7	
19	1,297	148.65	173.6	
20	1,432	372.86	394.4	
21	2,068	1,043.39	764.6	
22	7,367	121.20	24.9	
23	10,380	75.00	10.9	Upper Marker
24	12,317	0.00	0.0	
25	15,061	0.00	0.0	
26	16,944	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 5 : 52CC**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	18,935	0.00	0.0	
28	20,495	0.00	0.0	
29	21,302	0.00	0.0	
30	22,324	0.00	0.0	
31	22,916	0.00	0.0	
32	25,875	0.00	0.0	
33	26,952	0.00	0.0	
34	28,673	0.00	0.0	
35	29,373	0.00	0.0	

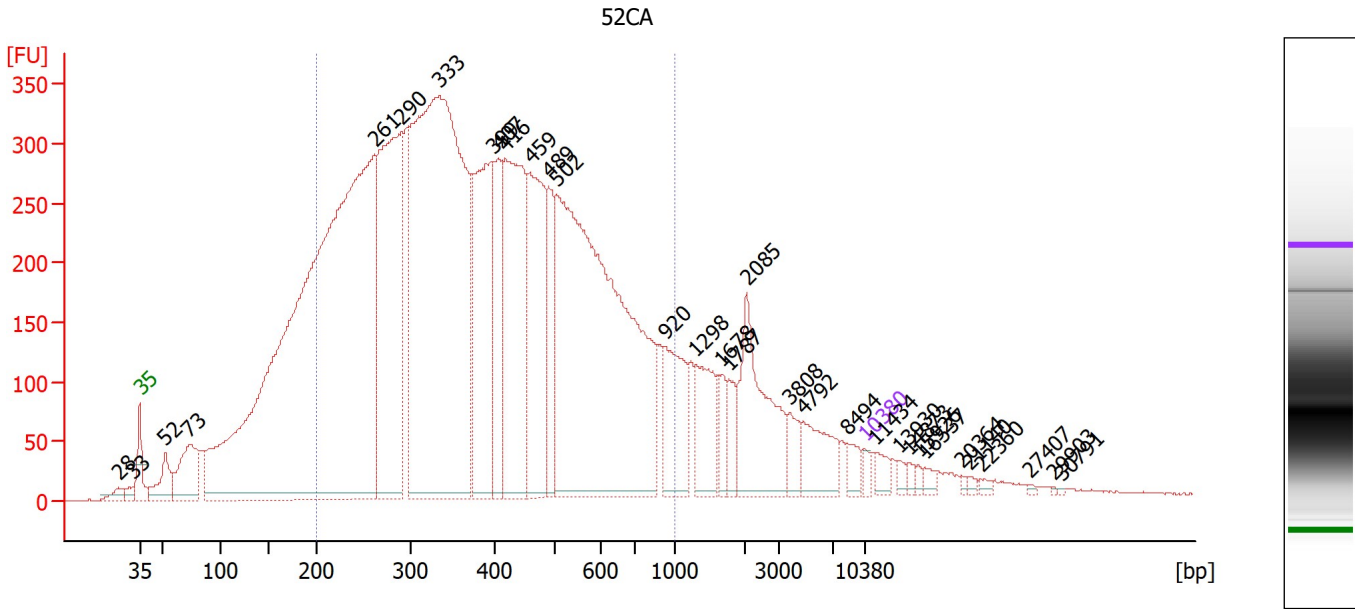
**Region table for sample 5 : 52CC**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	13,761.9	76	423	39.6	24,676.45	107,710.2	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 52CA**

Number of peaks found: 32                      Corr. Area 1: 11,975.8  
 Noise: 0.8

**Peak table for sample 6 : 52CA**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	28	0.00	0.0	
2	33	0.00	0.0	
3	35	125.00	5,411.3	Lower Marker
4	52	580.69	17,067.0	
5	73	1,144.06	23,859.9	
6	261	17,677.15	102,467.9	
7	290	5,068.57	26,496.1	
8	333	11,004.23	50,018.2	
9	399	2,781.57	10,574.5	
10	407	1,157.23	4,310.2	
11	416	3,323.67	12,091.8	
12	459	2,411.23	7,965.2	
13	489	981.34	3,037.9	
14	502	8,511.05	25,674.7	
15	920	991.46	1,632.2	
16	1,298	714.29	833.5	
17	1,678	198.76	179.4	
18	1,787	243.76	206.7	
19	2,085	1,321.77	960.6	
20	3,808	219.15	87.2	
21	4,792	545.08	172.3	
22	8,494	152.94	27.3	
23	10,380	75.00	10.9	Upper Marker
24	11,434	0.00	0.0	
25	13,930	0.00	0.0	
26	14,873	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 6 : 52CA**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	15,926	0.00	0.0	
28	16,537	0.00	0.0	
29	20,364	0.00	0.0	
30	21,140	0.00	0.0	
31	22,360	0.00	0.0	
32	27,407	0.00	0.0	
33	29,903	0.00	0.0	
34	30,791	0.00	0.0	

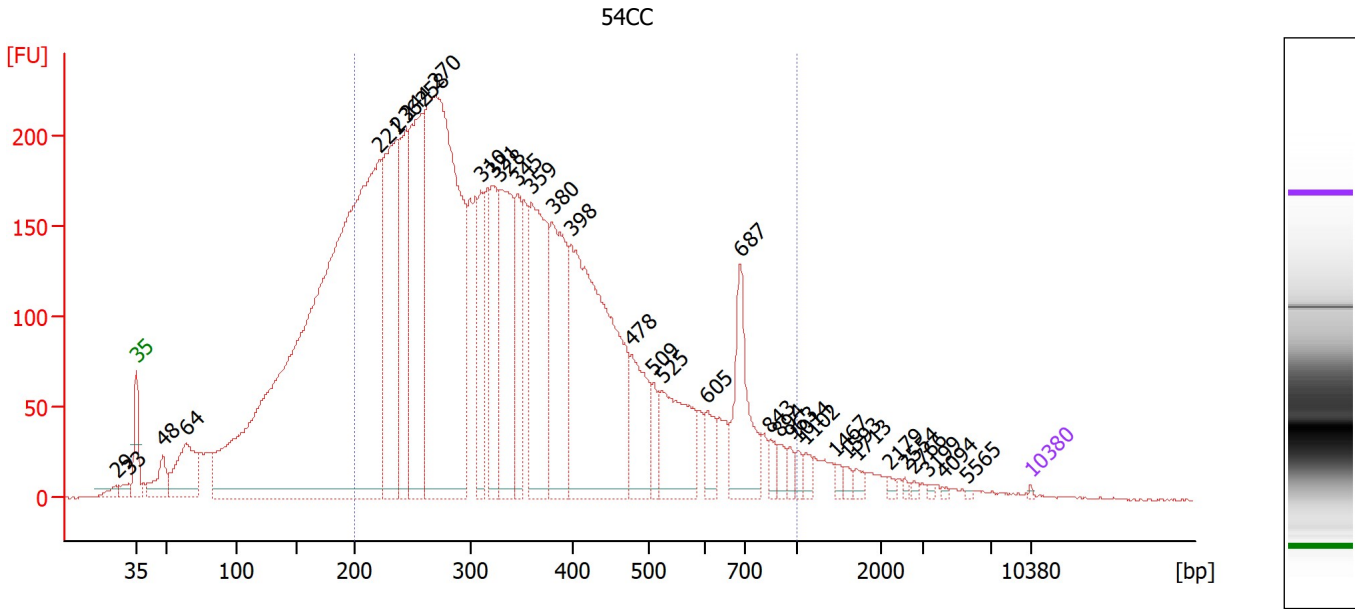
**Region table for sample 6 : 52CA**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	11,975.8	73	412	39.7	47,348.53	211,027.5	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 54CC**

Number of peaks found: 35                      Corr. Area 1: 6,896.9  
 Noise: 0.5

**Peak table for sample 7 : 54CC**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	29	0.00	0.0	
2	33	0.00	0.0	
3	35	125.00	5,411.3	Lower Marker
4	48	3,566.79	111,778.3	
5	64	7,738.14	181,960.6	
6	221	110,511.68	759,172.3	
7	236	22,357.29	143,658.3	
8	244	12,394.54	76,929.6	
9	258	19,227.87	112,730.2	
10	270	51,635.07	290,277.9	
11	310	6,279.79	30,706.9	
12	321	7,657.43	36,171.3	
13	328	13,886.16	64,141.3	
14	345	6,547.18	28,741.7	
15	359	15,535.04	65,537.6	
16	380	12,693.97	50,626.4	
17	398	29,367.05	111,925.1	
18	478	6,275.84	19,894.7	
19	509	1,664.38	4,950.6	
20	525	7,811.63	22,536.4	
21	605	1,917.99	4,806.3	
22	687	7,081.10	15,612.6	
23	843	837.86	1,505.6	
24	894	852.83	1,446.0	
25	963	591.82	931.1	
26	1,014	545.44	814.8	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 7 : 54CC**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	1,102	648.67	891.6	
28	1,467	362.22	374.0	
29	1,593	395.81	376.4	
30	1,713	416.79	368.7	
31	2,179	275.60	191.6	
32	2,554	178.63	106.0	
33	2,766	164.39	90.1	
34	3,199	142.58	67.5	
35	4,094	121.10	44.8	
36	5,565	80.59	21.9	
37	▶ 10,380	75.00	10.9	Upper Marker

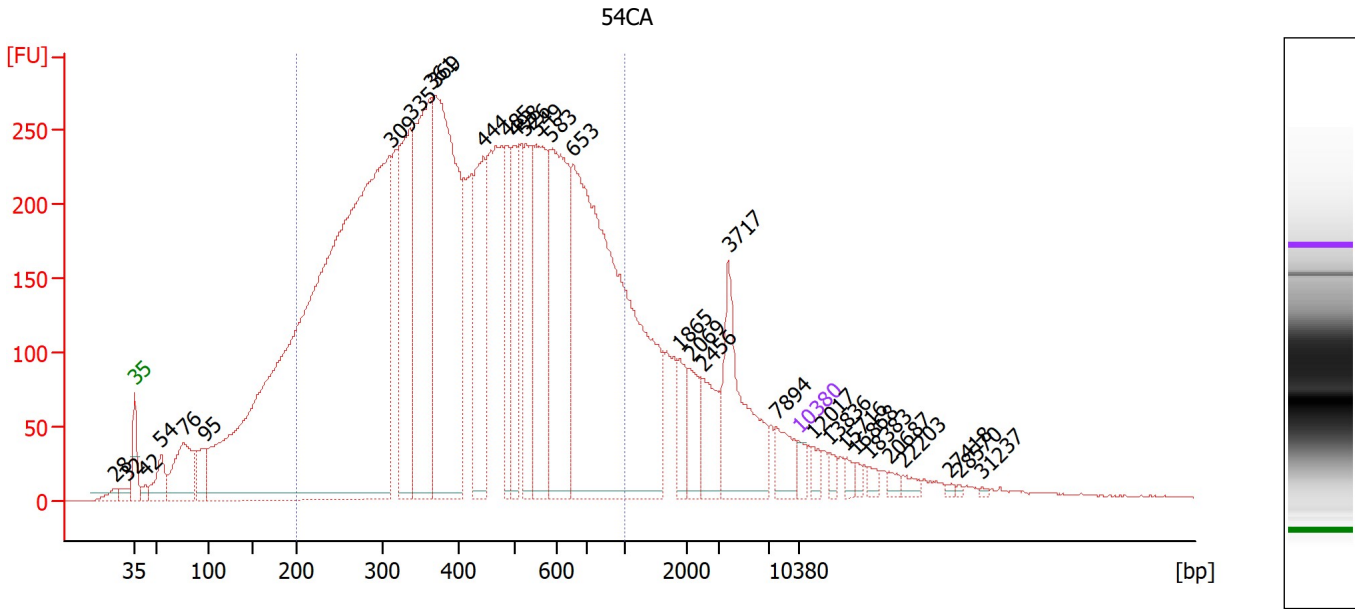
**Region table for sample 7 : 54CC**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	6,896.9	73	362	39.5	278,745.97	1,377,060.5	■

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 54CA**

Number of peaks found: 32                      Corr. Area 1: 9,587.6  
 Noise: 0.4

**Peak table for sample 8 : 54CA**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	28	0.00	0.0	
2	32	0.00	0.0	
3	35	125.00	5,411.3	Lower Marker
4	42	69.14	2,495.9	
5	54	307.12	8,591.7	
6	76	734.71	14,608.9	
7	95	284.64	4,531.8	
8	309	10,521.67	51,517.2	
9	335	1,500.29	6,779.3	
10	361	2,066.82	8,670.6	
11	369	2,992.03	12,290.4	
12	444	1,073.66	3,666.6	
13	485	570.78	1,783.2	
14	498	564.99	1,717.4	
15	526	753.25	2,171.8	
16	549	1,203.63	3,320.1	
17	583	1,491.77	3,876.5	
18	653	4,312.32	10,007.8	
19	1,865	197.30	160.3	
20	2,069	216.52	158.5	
21	2,456	299.76	184.9	
22	3,717	754.67	307.6	
23	7,894	187.37	36.0	
24	10,380	75.00	10.9	Upper Marker
25	12,017	0.00	0.0	
26	13,836	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 8 : 54CA**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	15,716	0.00	0.0	
28	16,868	0.00	0.0	
29	18,383	0.00	0.0	
30	20,687	0.00	0.0	
31	22,203	0.00	0.0	
32	27,418	0.00	0.0	
33	28,570	0.00	0.0	
34	31,237	0.00	0.0	

**Region table for sample 8 : 54CA**

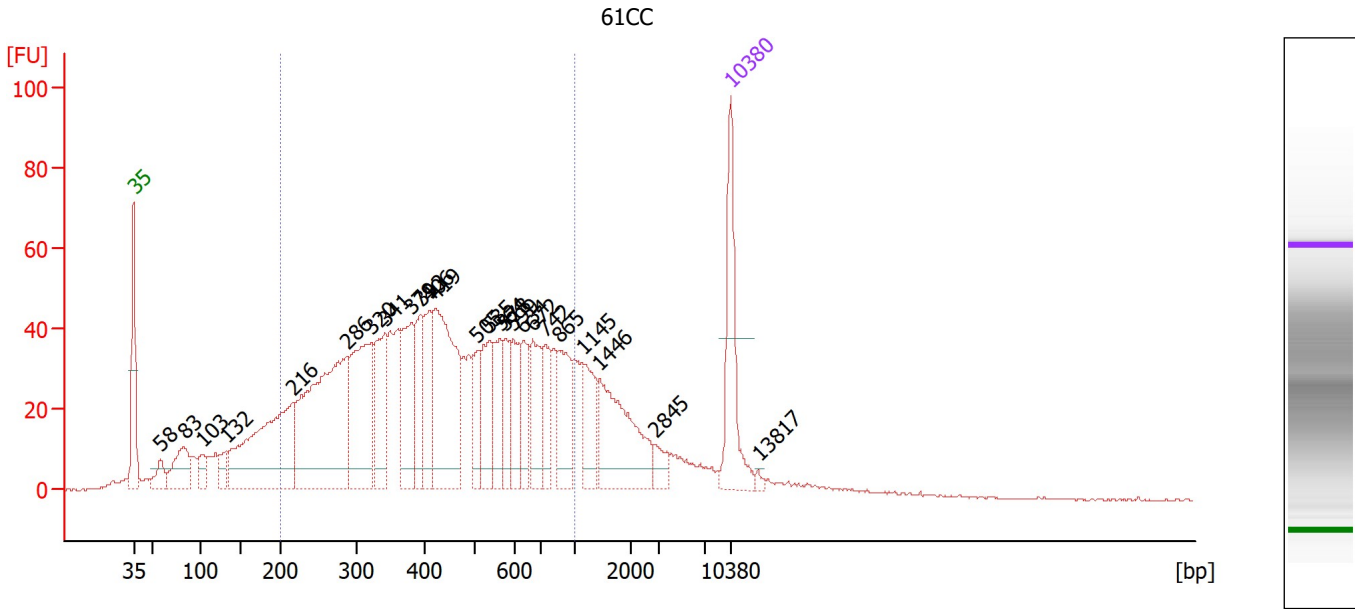
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	9,587.6	74	450	39.5	27,234.63	112,699.5	



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 61CC**

Number of peaks found: 25                      Corr. Area 1: 1,479.1  
 Noise: 0.2

**Peak table for sample 9 : 61CC**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	58	29.24	770.0	
3	83	66.59	1,221.4	
4	103	26.95	396.5	
5	132	22.31	255.7	
6	216	242.81	1,699.4	
7	286	295.23	1,562.2	
8	320	154.23	729.4	
9	341	86.14	383.2	
10	379	92.20	368.2	
11	392	57.85	223.7	
12	406	58.65	218.9	
13	419	180.24	652.2	
14	505	36.81	110.3	
15	535	61.32	173.8	
16	564	49.79	133.8	
17	578	33.60	88.1	
18	599	44.51	112.7	
19	634	41.92	100.2	
20	672	56.37	127.1	
21	742	35.54	72.6	
22	865	58.87	103.1	
23	1,145	48.17	63.8	
24	1,446	103.89	108.8	
25	2,845	14.02	7.5	
26	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 9 : 61CC**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	13,817	0.00	0.0	

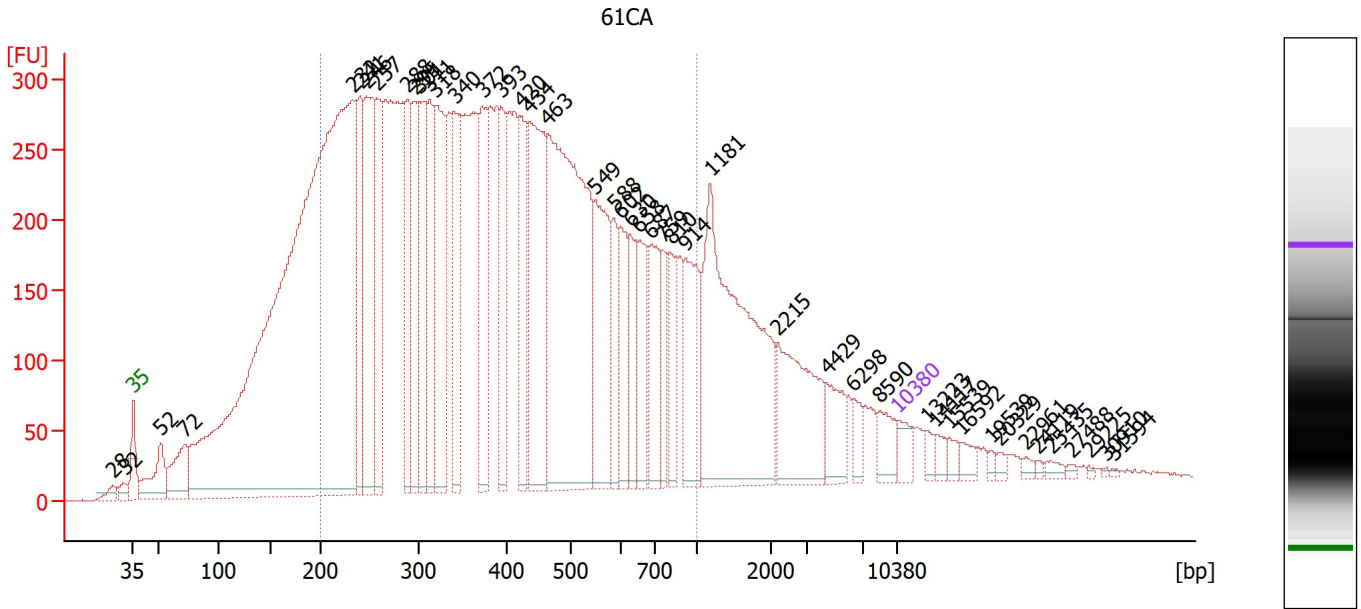
**Region table for sample 9 : 61CC**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,479.1	72	462	40.5	1,692.56	6,874.3	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 61CA**

Number of peaks found: 46      Corr. Area 1: 12,004.8  
 Noise: 0.8

**Peak table for sample 10 : 61CA**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	28	0.00	0.0	
2	32	0.00	0.0	
3	35	125.00	5,411.3	Lower Marker
4	52	357.69	10,474.4	
5	72	381.87	8,012.6	
6	232	8,753.31	57,067.0	
7	241	684.87	4,314.6	
8	246	1,038.03	6,381.8	
9	257	702.30	4,136.4	
10	288	598.98	3,150.8	
11	295	633.85	3,254.9	
12	301	669.07	3,373.3	
13	311	562.37	2,735.9	
14	318	918.24	4,373.5	
15	340	587.87	2,620.0	
16	372	587.25	2,391.1	
17	393	452.59	1,743.3	
18	420	459.70	1,658.1	
19	434	1,105.60	3,857.6	
20	463	2,414.33	7,893.1	
21	549	706.89	1,950.5	
22	588	270.74	697.4	
23	602	348.64	877.8	
24	630	268.41	645.7	
25	658	351.31	809.1	
26	687	362.96	799.9	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 10 : 61CA**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	759	213.06	425.4	
28	810	265.75	496.8	
29	914	451.16	748.1	
30	1,181	1,575.76	2,021.3	
31	2,215	537.82	367.9	
32	4,429	181.40	62.1	
33	6,298	72.90	17.5	
34	8,590	111.91	19.7	
35	10,380	75.00	10.9	Upper Marker
36	13,223	0.00	0.0	
37	14,117	0.00	0.0	
38	15,539	0.00	0.0	
39	16,592	0.00	0.0	
40	19,539	0.00	0.0	
41	20,329	0.00	0.0	
42	22,961	0.00	0.0	
43	24,119	0.00	0.0	
44	25,435	0.00	0.0	
45	27,488	0.00	0.0	
46	29,225	0.00	0.0	
47	30,910	0.00	0.0	
48	31,594	0.00	0.0	

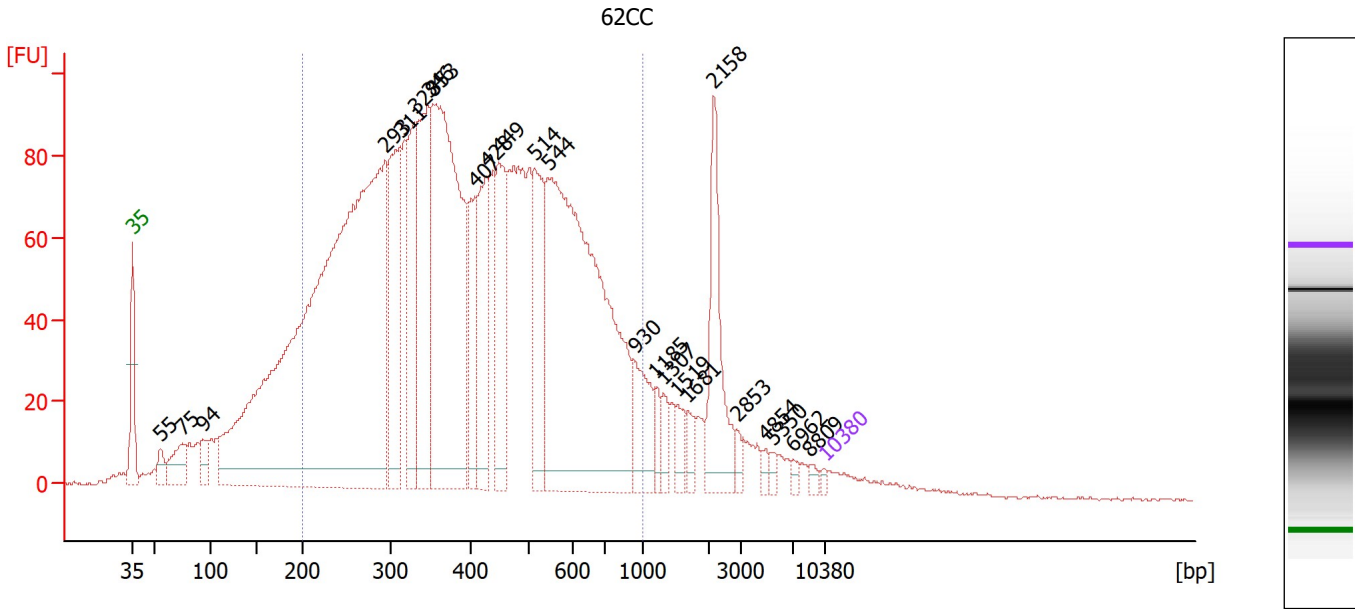
**Region table for sample 10 : 61CA**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	12,004.8	70	418	42.0	23,825.72	107,144.8	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 62CC**

Number of peaks found: 24      Corr. Area 1: 3,195.6  
 Noise: 0.5

**Peak table for sample 11 : 62CC**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	55	611.47	16,958.9	
3	75	1,444.85	29,075.1	
4	94	730.12	11,769.9	
5	293	34,434.33	177,776.2	
6	311	4,697.86	22,853.8	
7	328	3,417.66	15,776.4	
8	346	5,220.22	22,837.0	
9	353	11,991.82	51,464.0	
10	407	2,465.34	9,168.9	
11	428	2,828.16	10,019.1	
12	449	3,091.95	10,435.9	
13	514	2,851.61	8,406.7	
14	544	15,916.17	44,331.0	
15	930	1,526.74	2,488.4	
16	1,185	409.66	523.8	
17	1,307	458.11	531.1	
18	1,519	445.53	444.5	
19	1,681	358.15	322.8	
20	2,158	2,508.42	1,760.9	
21	2,853	203.01	107.8	
22	4,854	154.44	48.2	
23	5,350	136.27	38.6	
24	6,962	126.27	27.5	
25	8,809	140.66	24.2	
26	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:42:30 AM

**Electropherogram Summary Continued ...**

... Region table for sample 11 :

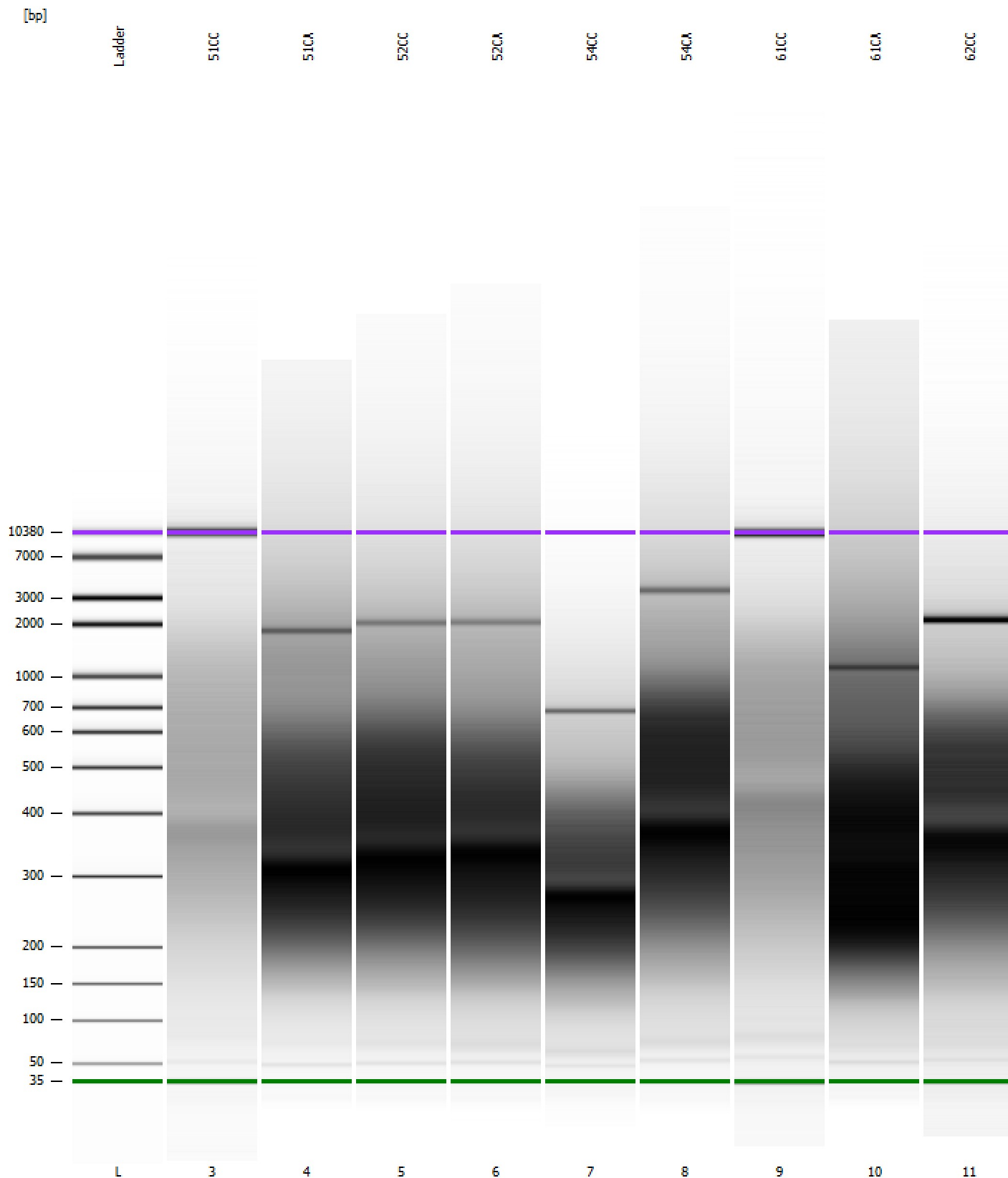
62CC

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	3,195.6	78	427	38.1	91,938.03	393,585.4	■

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
Modified: 12/4/2023 10:42:30 AM

**Gel Image**

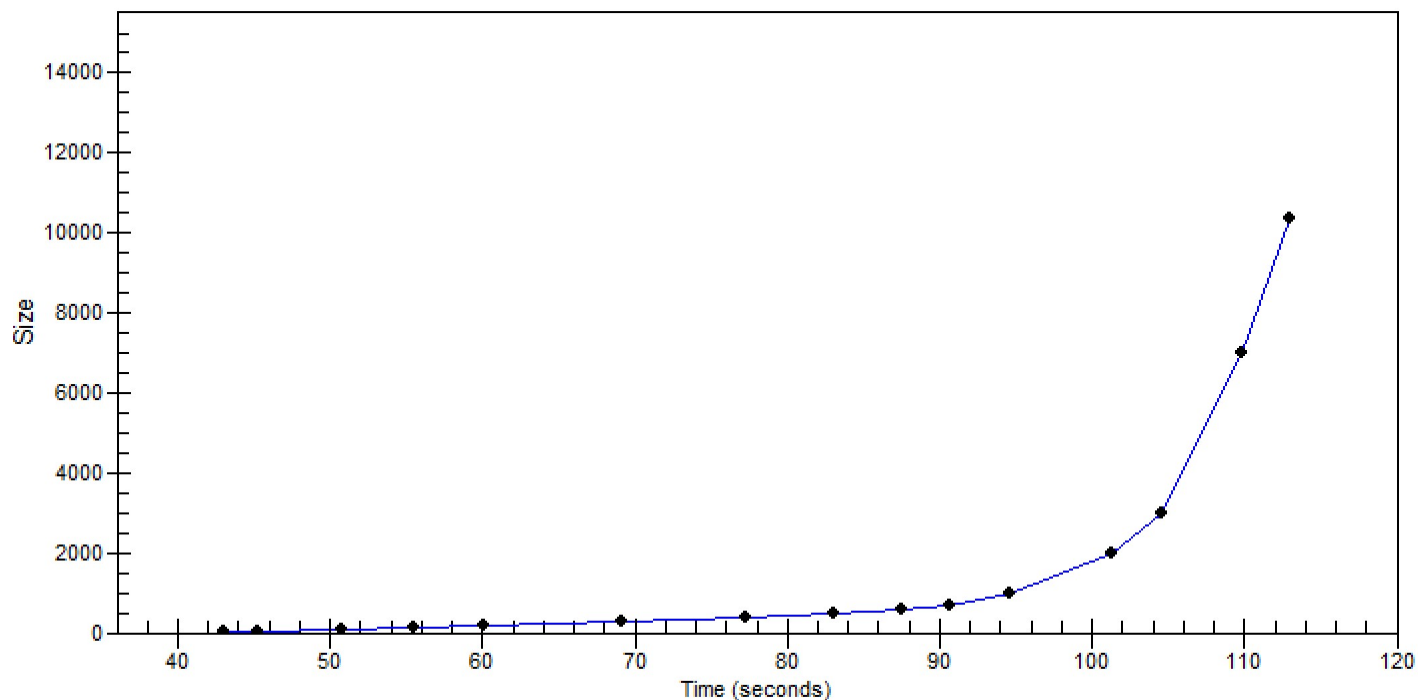


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
Modified: 12/4/2023 10:42:30 AM

**Curves**

**Standard Curve**





Assay Class: High Sensitivity DNA Assay Created: 12/4/2023 9:56:21 AM  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad Modified: 12/4/2023 10:42:30 AM

**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		12/4/2023 10:37:41 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-12-04\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-12-04_001.xad)		Instrument	Run		12/4/2023 9:56:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/4/2023 9:56:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/4/2023 9:56:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/4/2023 9:56:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/4/2023 9:56:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/4/2023 9:56:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/4/2023 9:56:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB