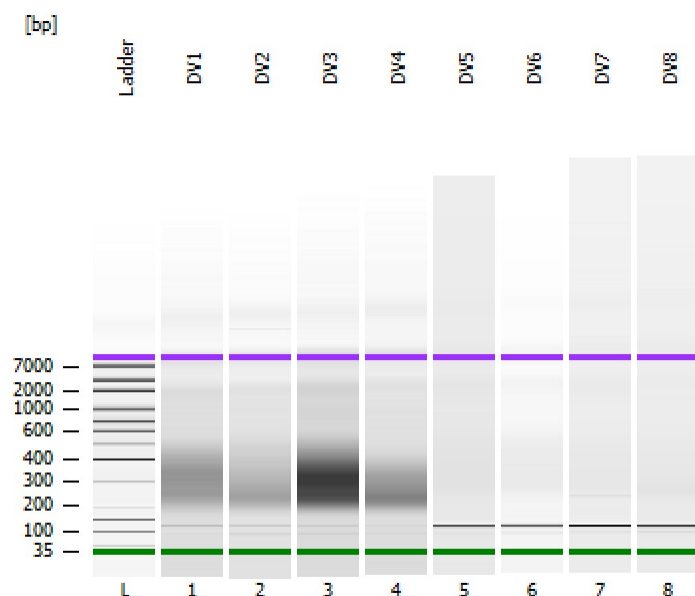


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-08-28\QC2282.xad

Created: 8/28/2025 11:47:29 AM
Modified: 8/28/2025 12:32:52 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 (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy

Assay Class: High Sensitivity DNA Assay

Version: 1.03

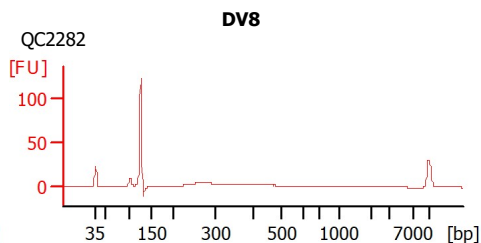
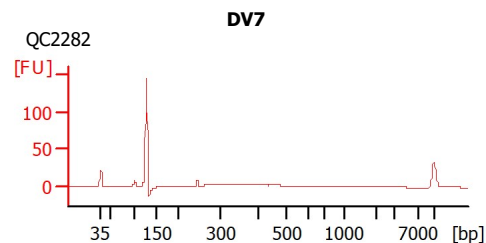
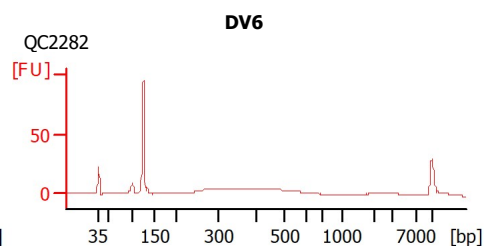
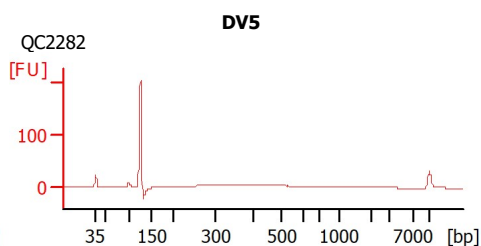
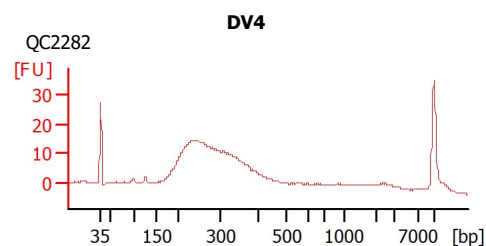
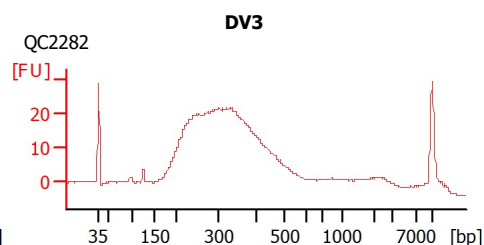
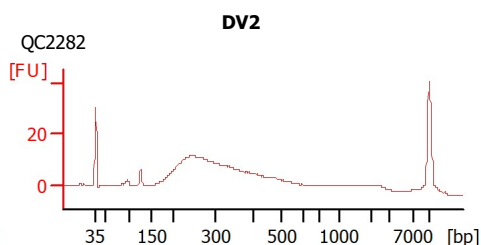
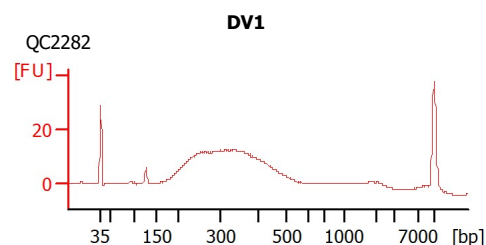
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-08-28\QC2282.xad

Created: 8/28/2025 11:47:29 AM
Modified: 8/28/2025 12:32:52 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
DV1	QC2282	☐	✓			
DV2	QC2282	☐	✓			
DV3	QC2282	☐	✓			
DV4	QC2282	☐	✓			
DV5	QC2282	☐	✓			
DV6	QC2282	☐	✓			
DV7	QC2282	☐	✓			
DV8	QC2282	☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-08-28\QC2282.xad

Created: 8/28/2025 11:47:29 AM
Modified: 8/28/2025 12:32:52 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

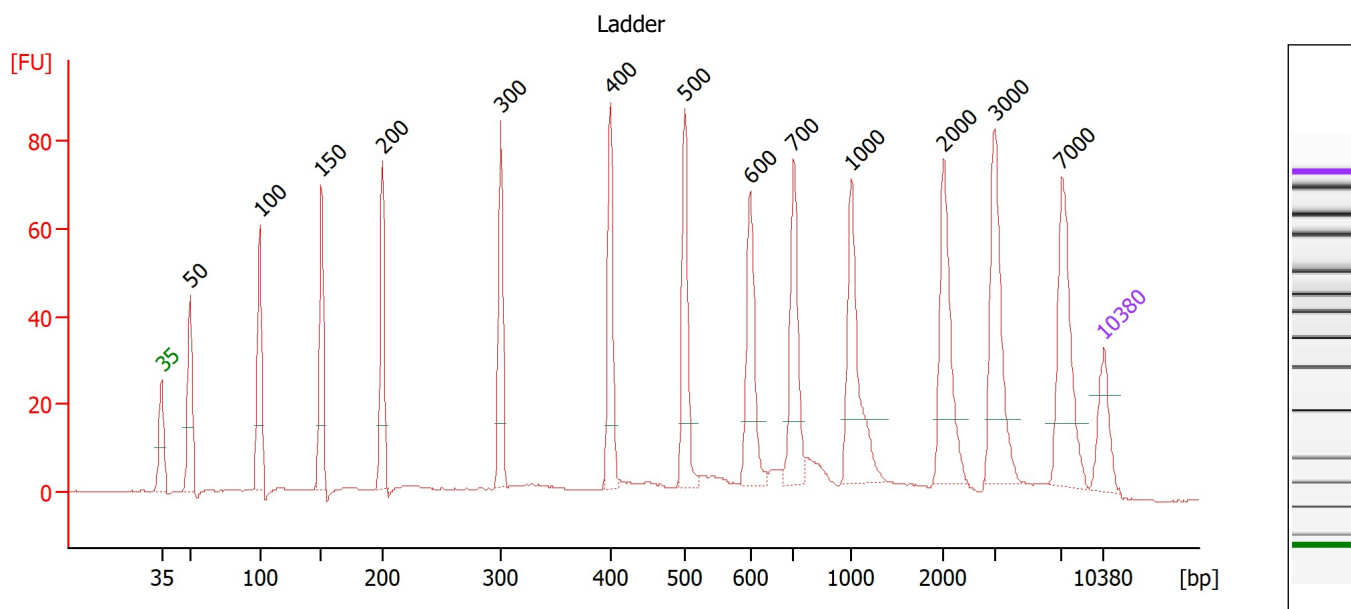
Ladder

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:\...ent\2100 bioanalyzer\2100 expert\data\2025-08-28\QC2282.xad

Created: 8/28/2025 11:47:29 AM
 Modified: 8/28/2025 12:32:52 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

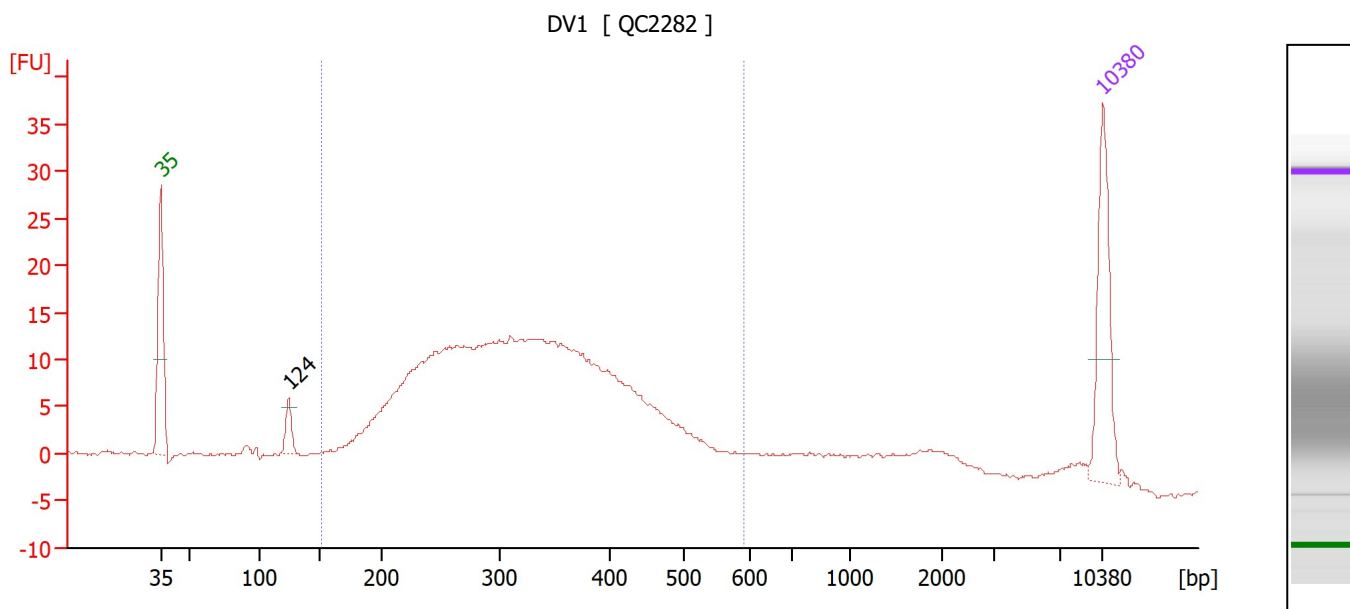
Peak table for Ladder

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-08-28\QC2282.xad

Created: 8/28/2025 11:47:29 AM
 Modified: 8/28/2025 12:32:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : DV1

Number of peaks found: 1 Corr. Area 1: 351.7
 Noise: 0.2

Peak table for sample 1 : DV1

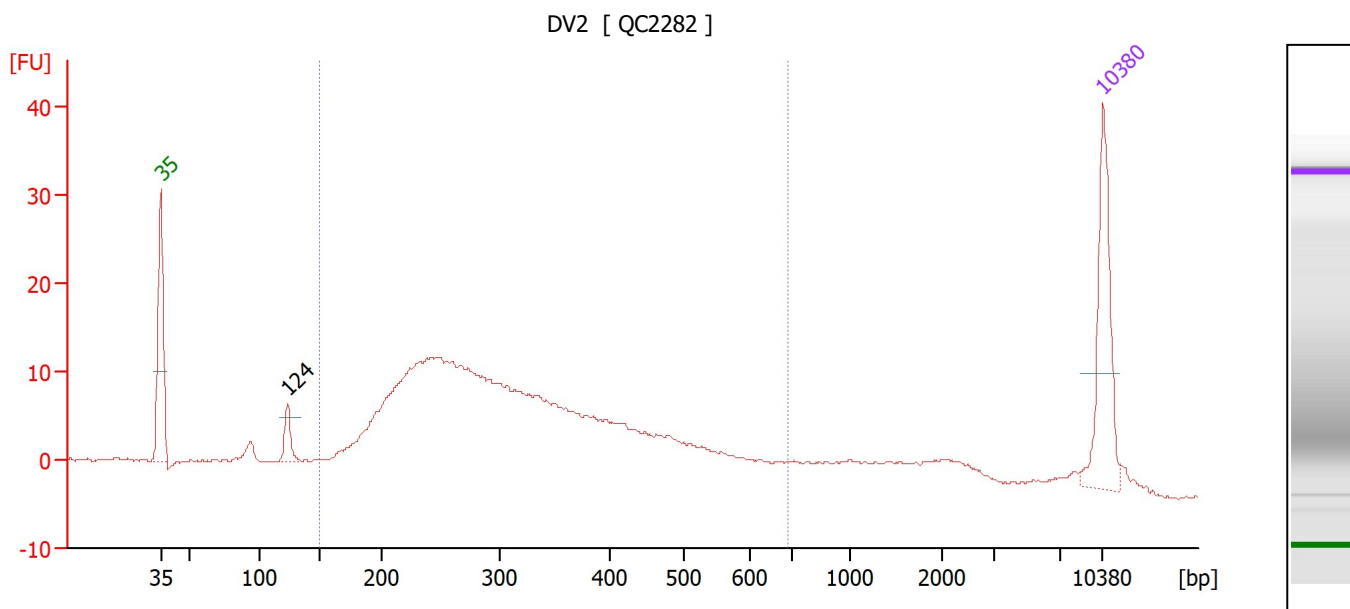
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	124	23.03	280.3	
3	10,380	75.00	10.9	Upper Marker

Region table for sample 1 : DV1

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
151	591	351.7	83	331	26.9	1,233.34	6,275.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-08-28\QC2282.xad

Created: 8/28/2025 11:47:29 AM
Modified: 8/28/2025 12:32:52 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : DV2**

Number of peaks found: 1 Corr. Area 1: 297.1
Noise: 0.2

Peak table for sample 2 : DV2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	124	22.06	270.2	
3	10,380	75.00	10.9	Upper Marker

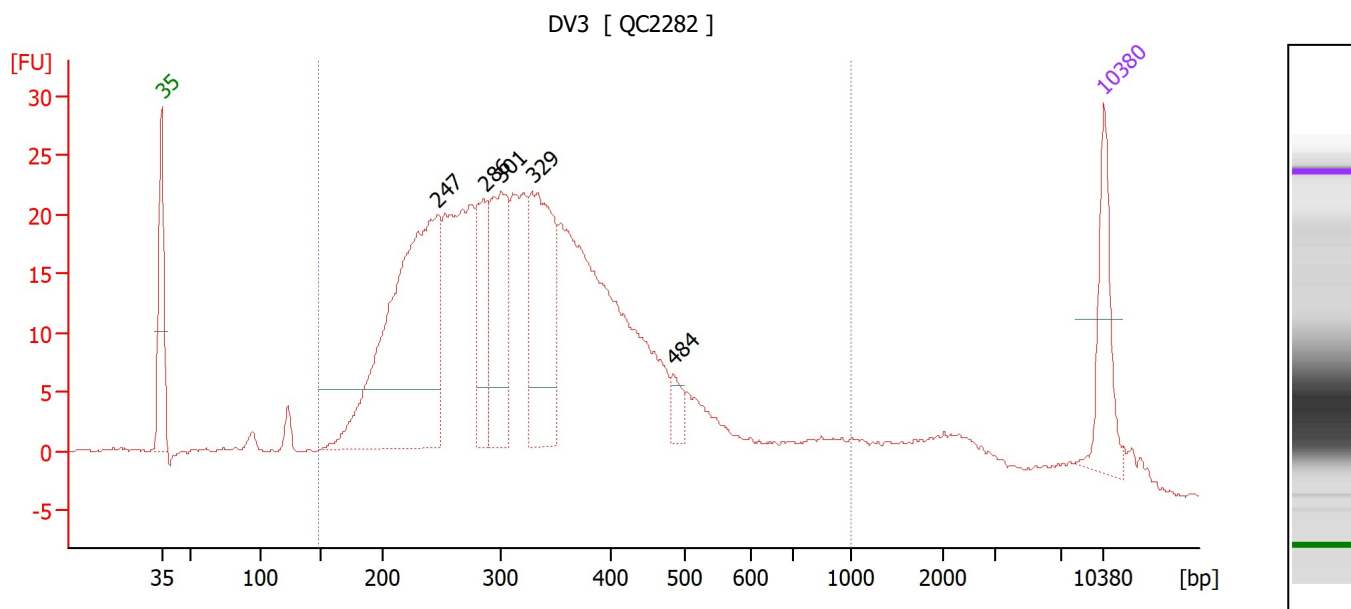
Region table for sample 2 : DV2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
150	687	297.1	81	327	33.6	931.03	4,956.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-08-28\QC2282.xad

Created: 8/28/2025 11:47:29 AM
 Modified: 8/28/2025 12:32:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : DV3

Number of peaks found: 5 Corr. Area 1: 588.5
 Noise: 0.2

Peak table for sample 3 : DV3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	247	565.75	3,473.9	
3	286	105.96	561.7	
4	301	176.85	891.4	
5	329	240.72	1,110.2	
6	484	22.46	70.3	
7	10,380	75.00	10.9	Upper Marker

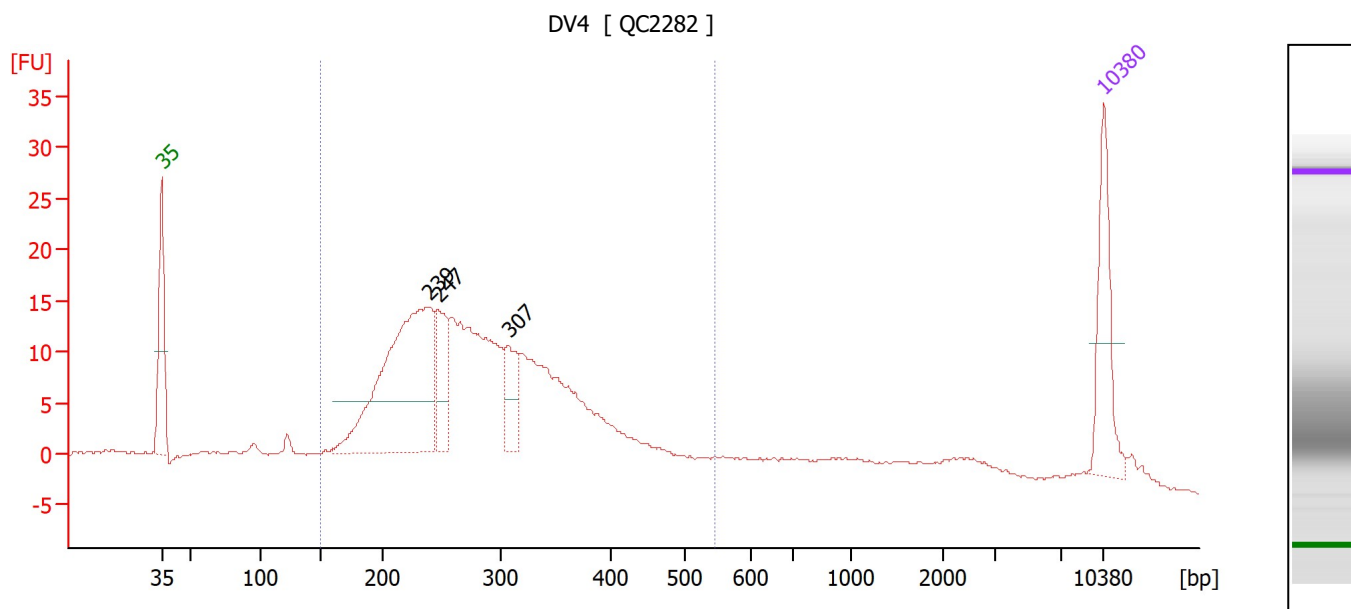
Region table for sample 3 : DV3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
147	1,000	588.5	91	345	37.6	2,561.25	13,009.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-08-28\QC2282.xad

Created: 8/28/2025 11:47:29 AM
 Modified: 8/28/2025 12:32:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : DV4

Number of peaks found: 3 Corr. Area 1: 298.0
 Noise: 0.2

Peak table for sample 4 : DV4

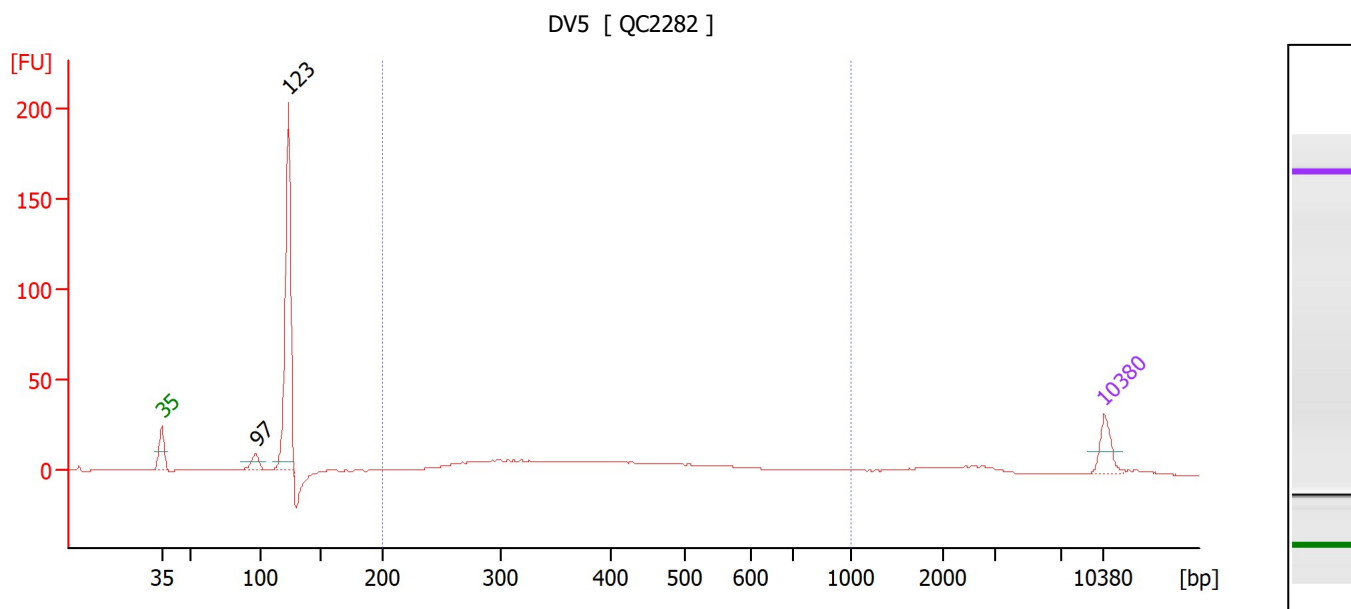
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	239	353.17	2,235.6	
3	247	67.15	412.1	
4	307	49.51	244.5	
5	10,380	75.00	10.9	Upper Marker

Region table for sample 4 : DV4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
149	547	298.0	84	290	25.5	1,176.18	6,662.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-08-28\QC2282.xad

Created: 8/28/2025 11:47:29 AM
Modified: 8/28/2025 12:32:52 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : DV5**

Number of peaks found: 2 Corr. Area 1: 169.5
Noise: 0.2

Peak table for sample 5 : DV5

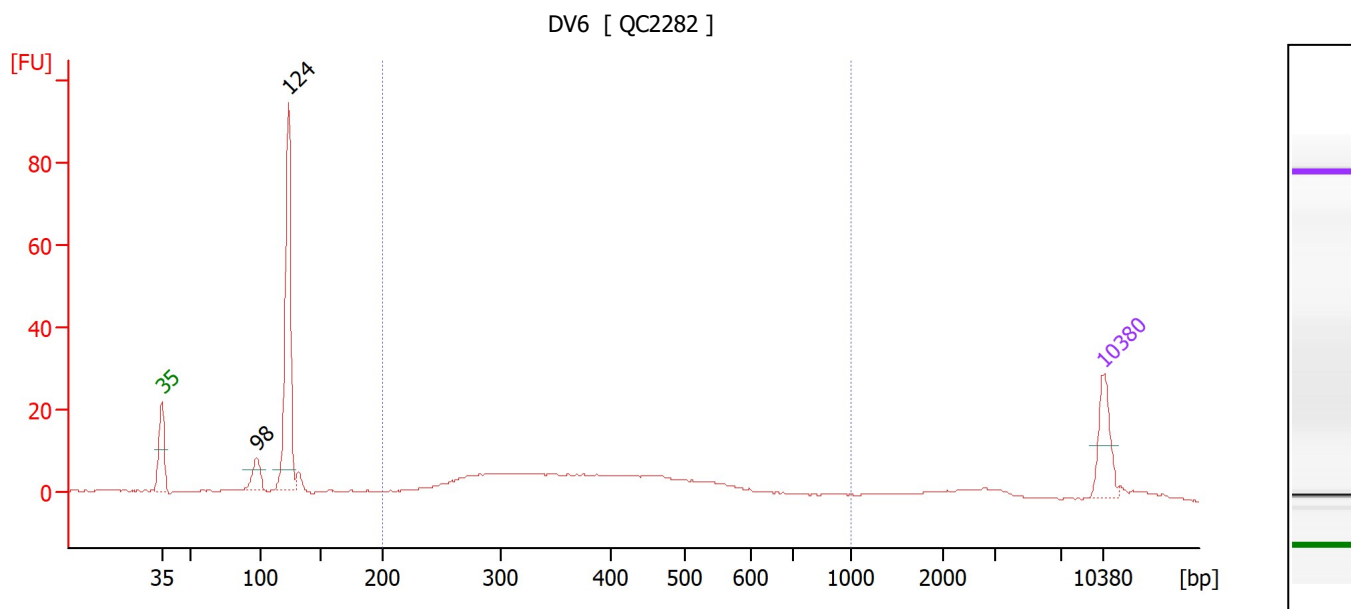
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	97	59.68	930.4	
3	123	912.80	11,200.4	
4	10,380	75.00	10.9	Upper Marker

Region table for sample 5 : DV5

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	169.5	43	425	36.0	698.49	2,889.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-08-28\QC2282.xad

Created: 8/28/2025 11:47:29 AM
Modified: 8/28/2025 12:32:52 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : DV6**

Number of peaks found: 2 Corr. Area 1: 135.6
Noise: 0.1

Peak table for sample 6 : DV6

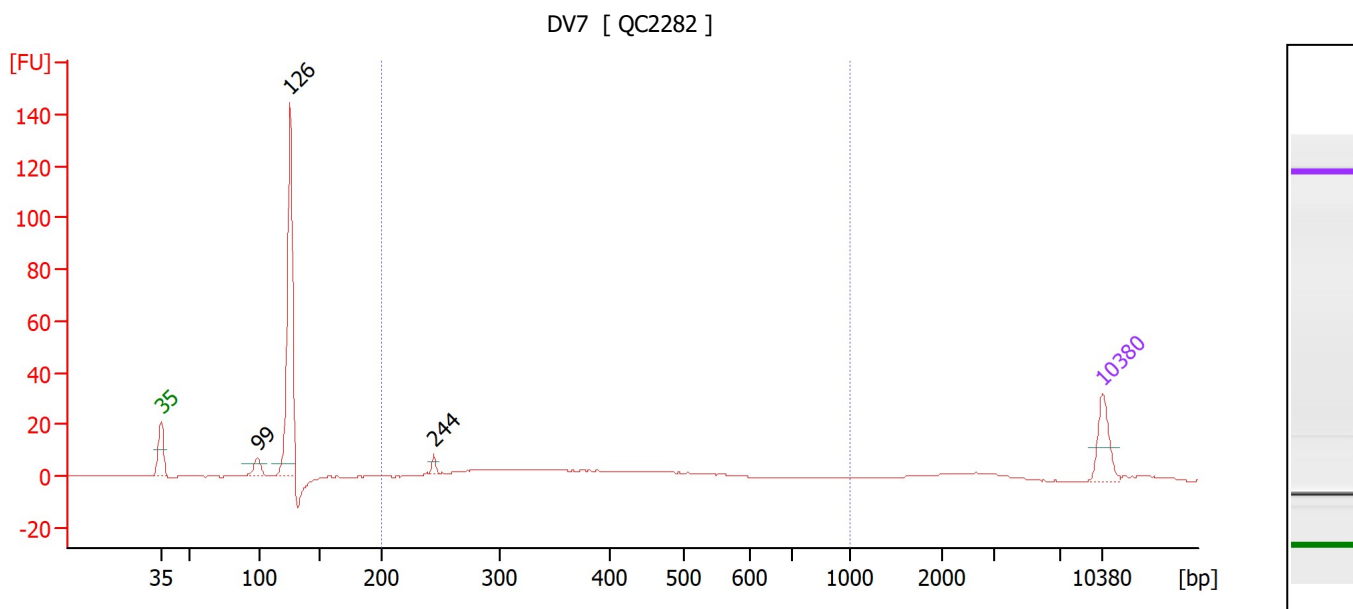
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	98	55.13	851.8	
3	124	461.16	5,655.2	
4	10,380	75.00	10.9	Upper Marker

Region table for sample 6 : DV6

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	135.6	51	404	31.7	599.34	2,532.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-08-28\QC2282.xad

Created: 8/28/2025 11:47:29 AM
Modified: 8/28/2025 12:32:52 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : DV7**

Number of peaks found: 3 Corr. Area 1: 92.5
Noise: 0.2

Peak table for sample 7 : DV7

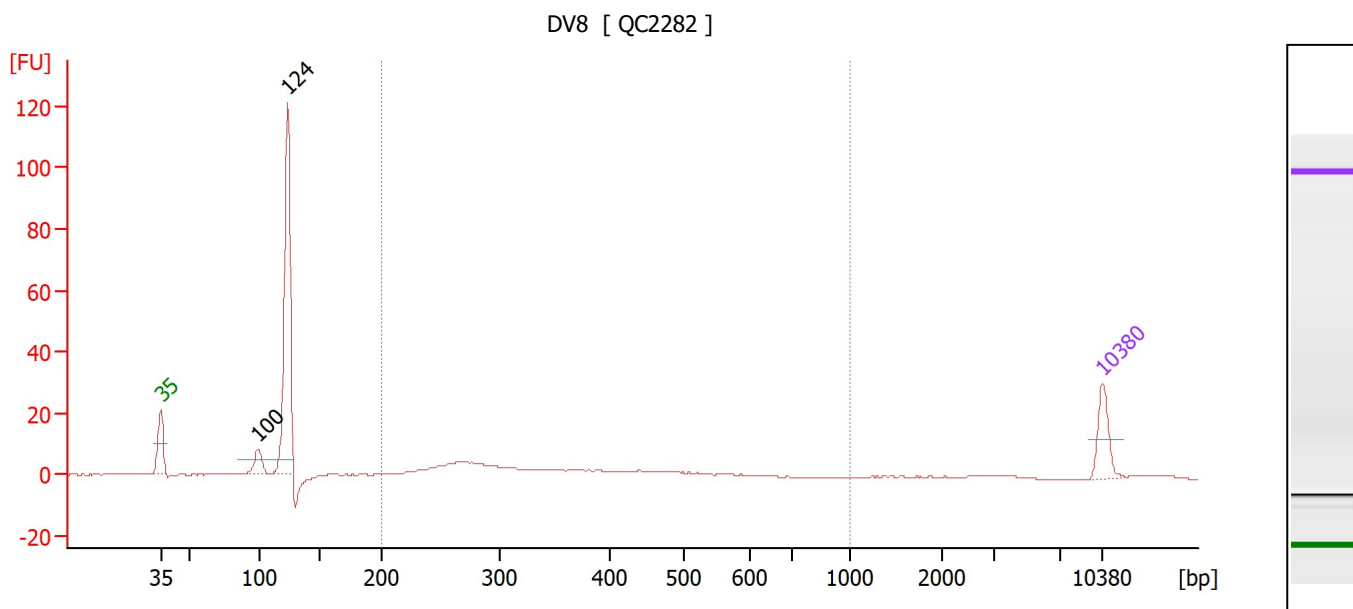
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	99	45.53	696.1	
3	126	631.81	7,605.1	
4	244	19.01	117.9	
5	10,380	75.00	10.9	Upper Marker

Region table for sample 7 : DV7

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	92.5	36	402	34.8	381.48	1,653.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-08-28\QC2282.xad

Created: 8/28/2025 11:47:29 AM
Modified: 8/28/2025 12:32:52 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : DV8**

Number of peaks found: 2 Corr. Area 1: 87.9
Noise: 0.1

Peak table for sample 8 : DV8

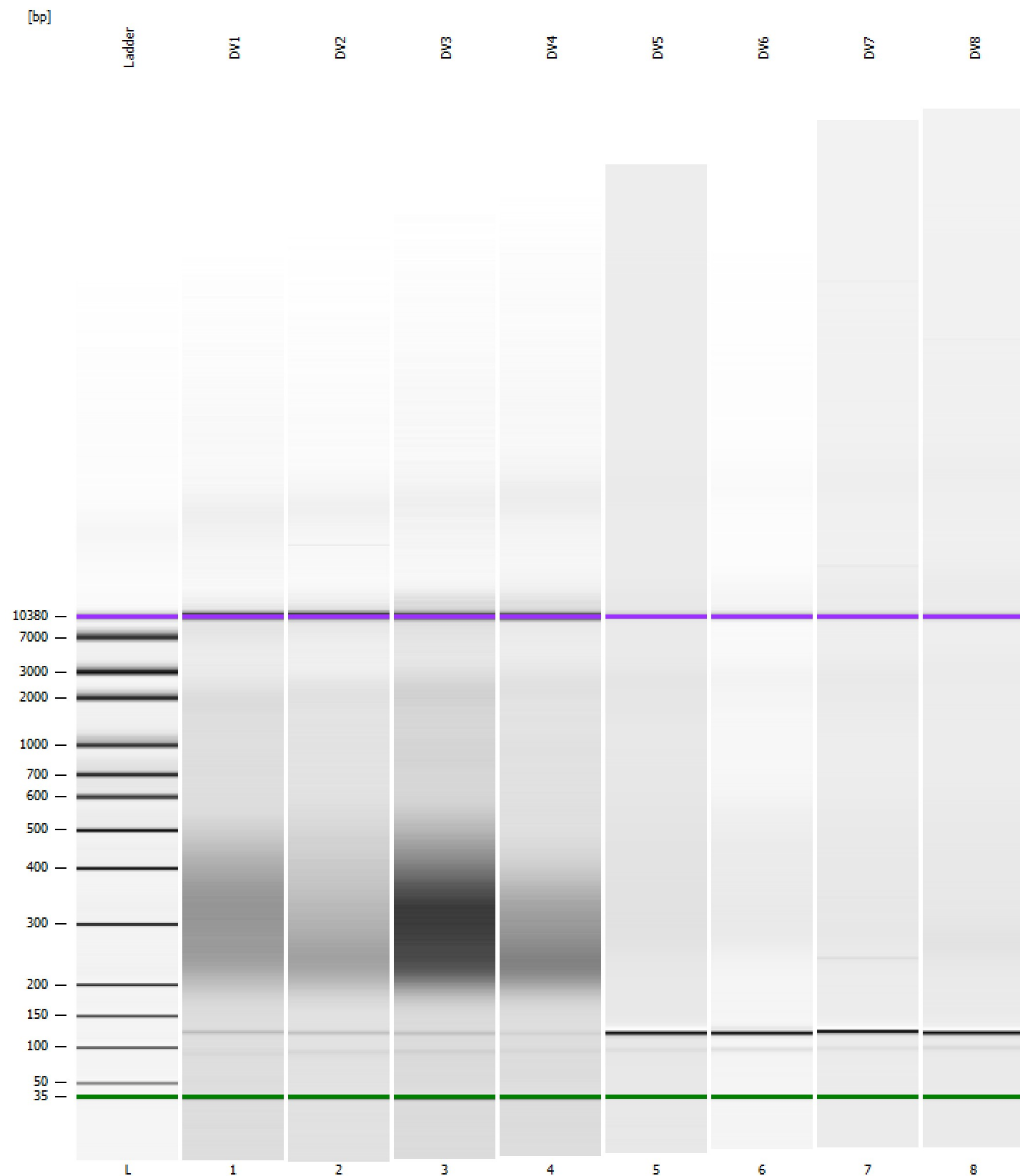
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	100	63.16	958.0	
3	124	600.49	7,340.6	
4	10,380	75.00	10.9	Upper Marker

Region table for sample 8 : DV8

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	87.9	38	382	37.9	417.12	1,926.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-08-28\QC2282.xad

Created: 8/28/2025 11:47:29 AM
Modified: 8/28/2025 12:32:52 PM

Gel Image

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-08-28\QC2282.xad

Created: 8/28/2025 11:47:29 AM
 Modified: 8/28/2025 12:32:52 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		8/28/2025 12:28:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2025-08-28\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-08-28_001.xad)		Instrument	Run		8/28/2025 11:47:37 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/28/2025 11:47:37 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/28/2025 11:47:37 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/28/2025 11:47:37 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/28/2025 11:47:37 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/28/2025 11:47:37 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/28/2025 11:47:37 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB