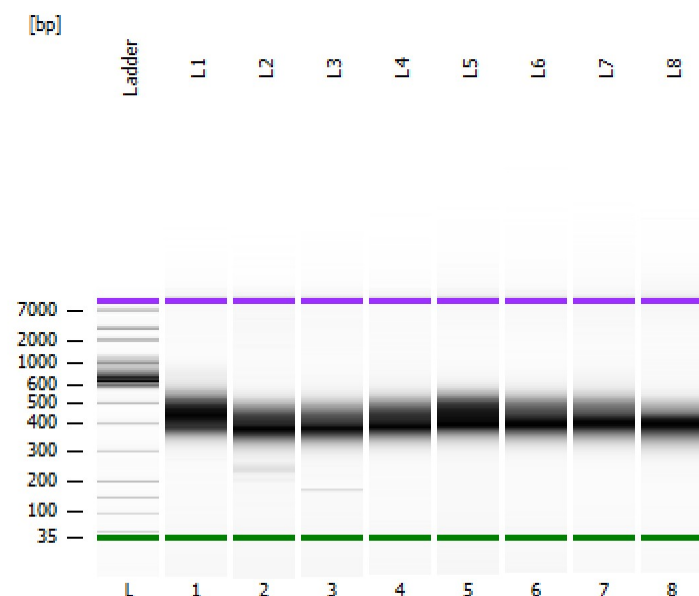


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2100 expert\data\2025-05-19\Custom0104_libraries.xad

Created: 5/19/2025 4:22:23 PM
Modified: 5/19/2025 5:15:25 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152
Serial#: DE34903152

Firmware: C.01.069
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

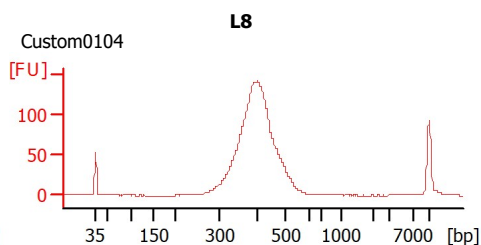
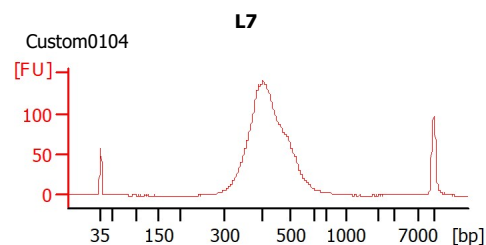
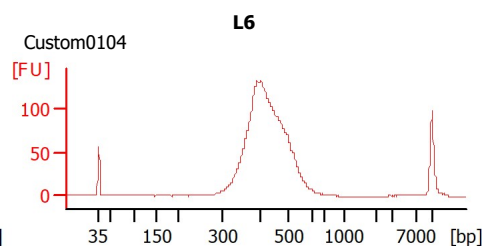
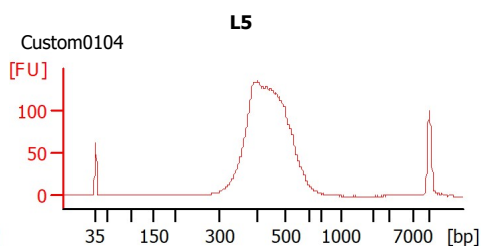
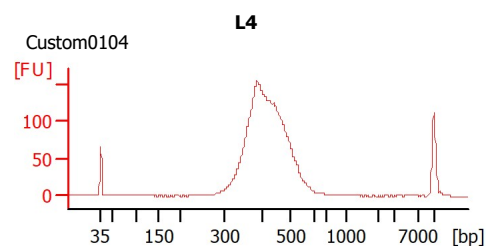
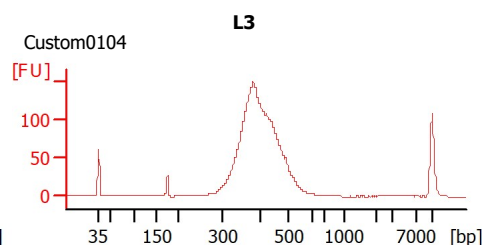
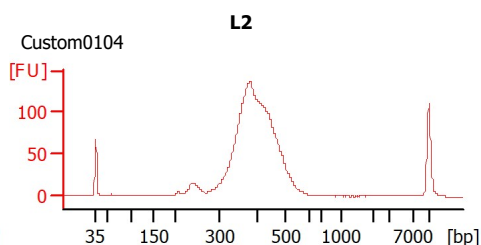
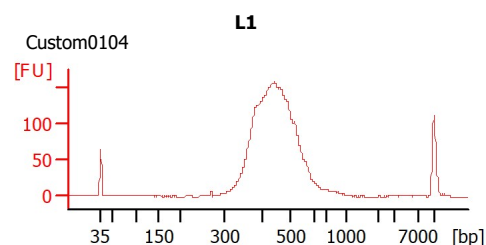
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2100 expert\data\2025-05-19\Custom0104_libraries.xad

Created: 5/19/2025 4:22:23 PM
Modified: 5/19/2025 5:15:25 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
L1	Custom0104	☐	✓			
L2	Custom0104	☐	✓			
L3	Custom0104	☐	✓			
L4	Custom0104	☐	✓			
L5	Custom0104	☐	✓			
L6	Custom0104	☐	✓			
L7	Custom0104	☐	✓			
L8	Custom0104	☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2100 expert\data\2025-05-19\Custom0104_libraries.xad

Created: 5/19/2025 4:22:23 PM
Modified: 5/19/2025 5:15:25 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

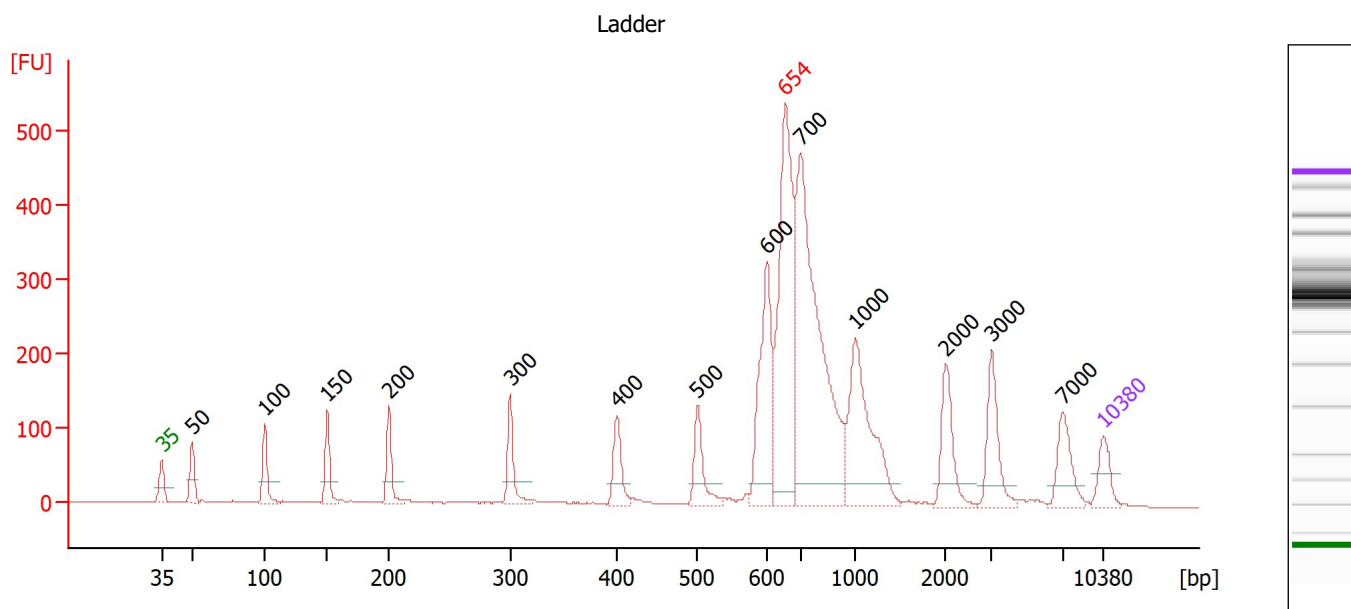
Ladder

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:\...alyzer\2100 expert\data\2025-05-19\Custom0104_libraries.xad

Created: 5/19/2025 4:22:23 PM
Modified: 5/19/2025 5:15:25 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

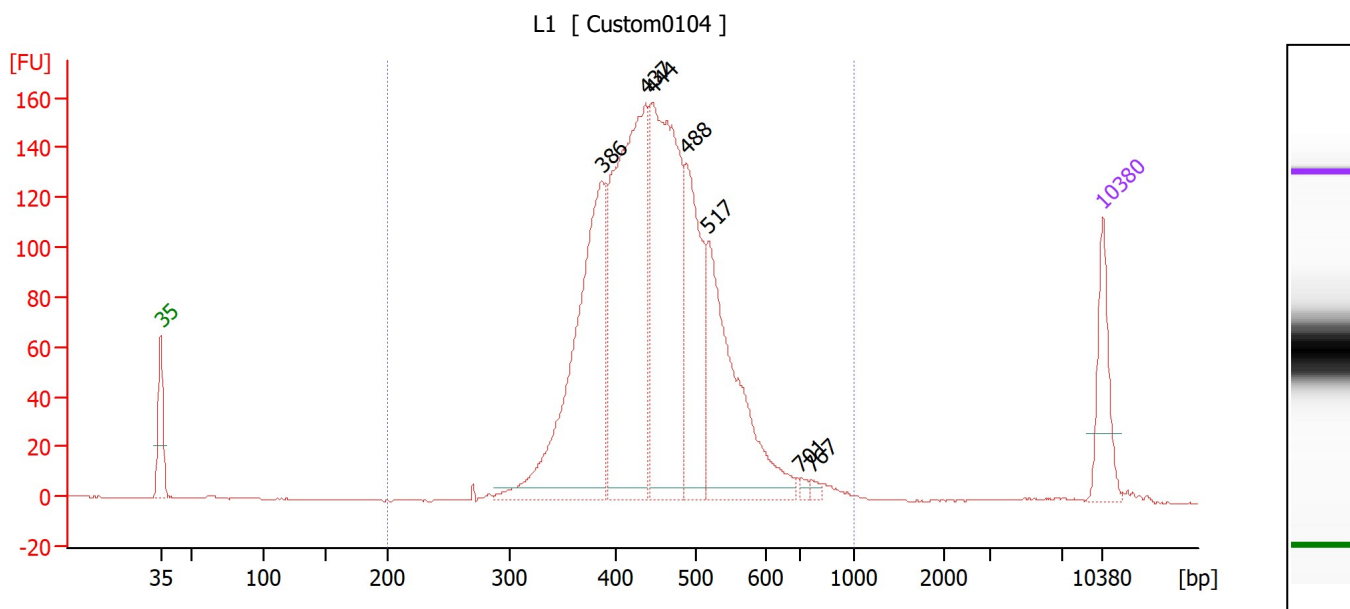
Peak table for Ladder

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	✖	654	0.00	0.0	excluded peak
11	◀	700	150.00	324.7	Ladder Peak
12	◀	1,000	150.00	227.3	Ladder Peak
13	◀	2,000	150.00	113.6	Ladder Peak
14	◀	3,000	150.00	75.8	Ladder Peak
15	◀	7,000	150.00	32.5	Ladder Peak
16	▶	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...alyzer\2100 expert\data\2025-05-19\Custom0104_libraries.xad

Created: 5/19/2025 4:22:23 PM
 Modified: 5/19/2025 5:15:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : L1

Number of peaks found: 7 Corr. Area 1: 2,134.4
 Noise: 0.2

Peak table for sample 1 : L1

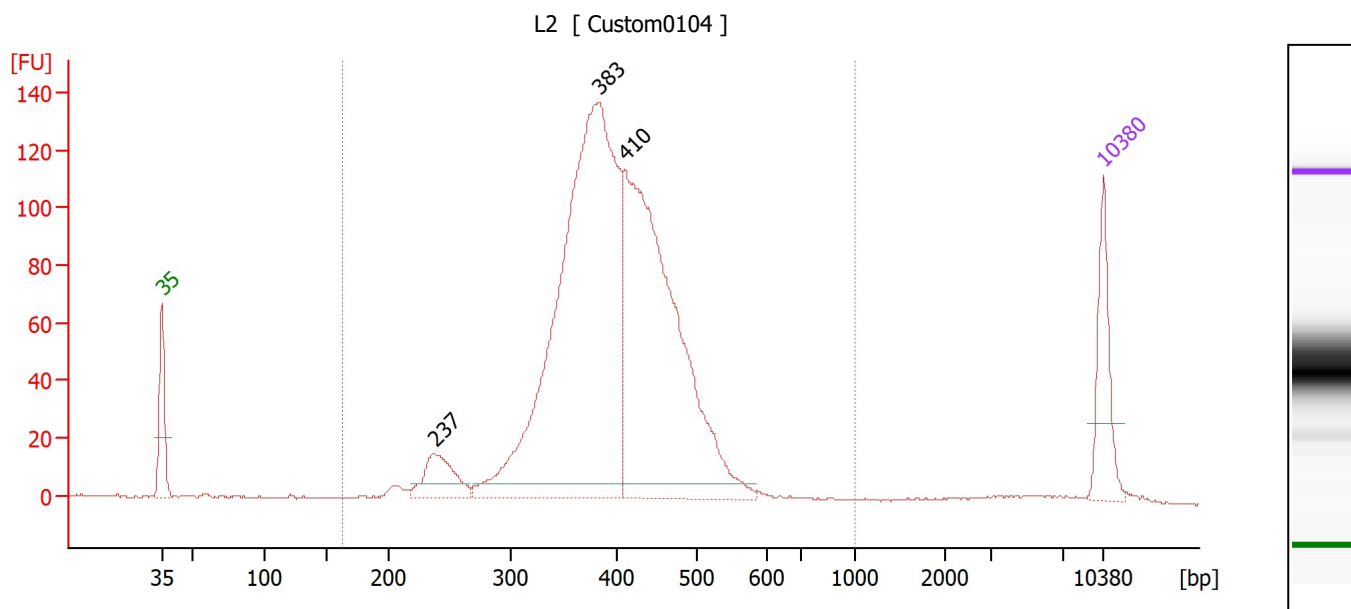
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	386	522.93	2,051.7	
3	437	616.48	2,136.1	
4	444	533.97	1,822.2	
5	488	258.22	802.0	
6	517	356.48	1,044.6	
7	701	7.24	15.7	
8	767	6.26	12.4	
9	10,380	75.00	10.9	Upper Marker

Region table for sample 1 : L1

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	2,134.4	98	455	17.9	2,367.50	8,163.7	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2100 expert\data\2025-05-19\Custom0104_libraries.xad

Created: 5/19/2025 4:22:23 PM
Modified: 5/19/2025 5:15:25 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : L2**

Number of peaks found: 3 Corr. Area 1: 1,701.7
Noise: 0.2

Peak table for sample 2 : L2

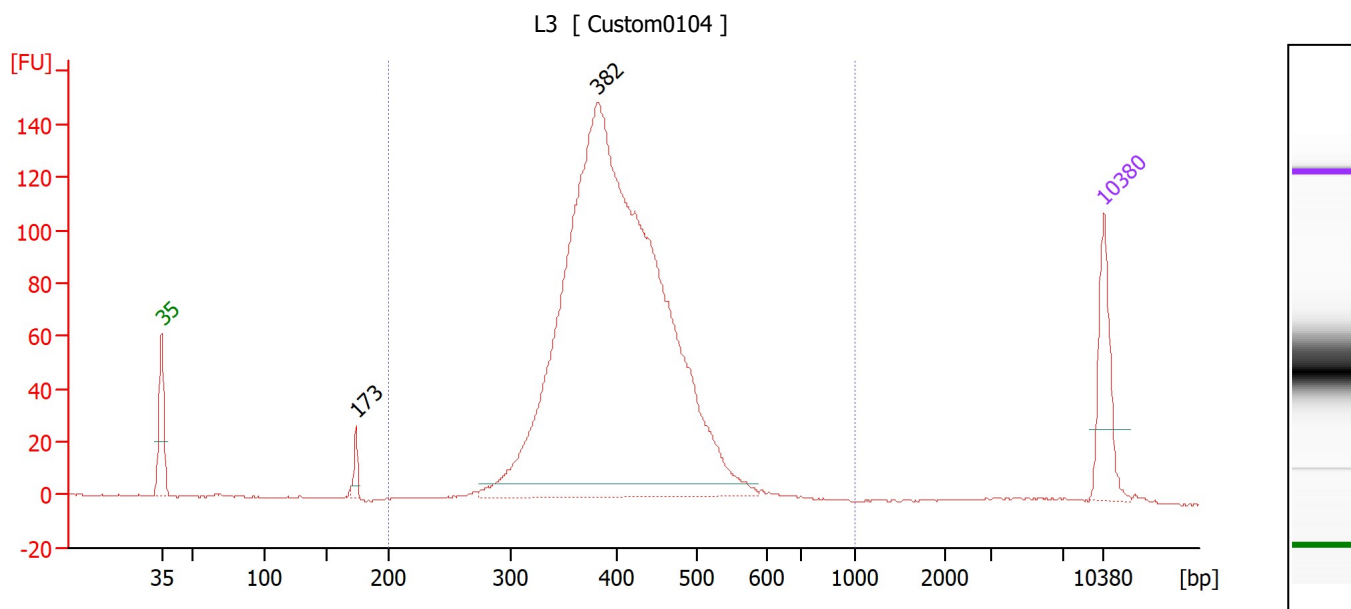
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	237	84.59	541.4	
3	383	1,041.07	4,118.1	
4	410	732.07	2,703.2	
5	10,380	75.00	10.9	Upper Marker

Region table for sample 2 : L2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
162	1,000	1,701.7	97	400	17.6	1,935.15	7,664.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2100 expert\data\2025-05-19\Custom0104_libraries.xad

Created: 5/19/2025 4:22:23 PM
Modified: 5/19/2025 5:15:25 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : L3**

Number of peaks found: 2 Corr. Area 1: 1,609.6
Noise: 0.2

Peak table for sample 3 : L3

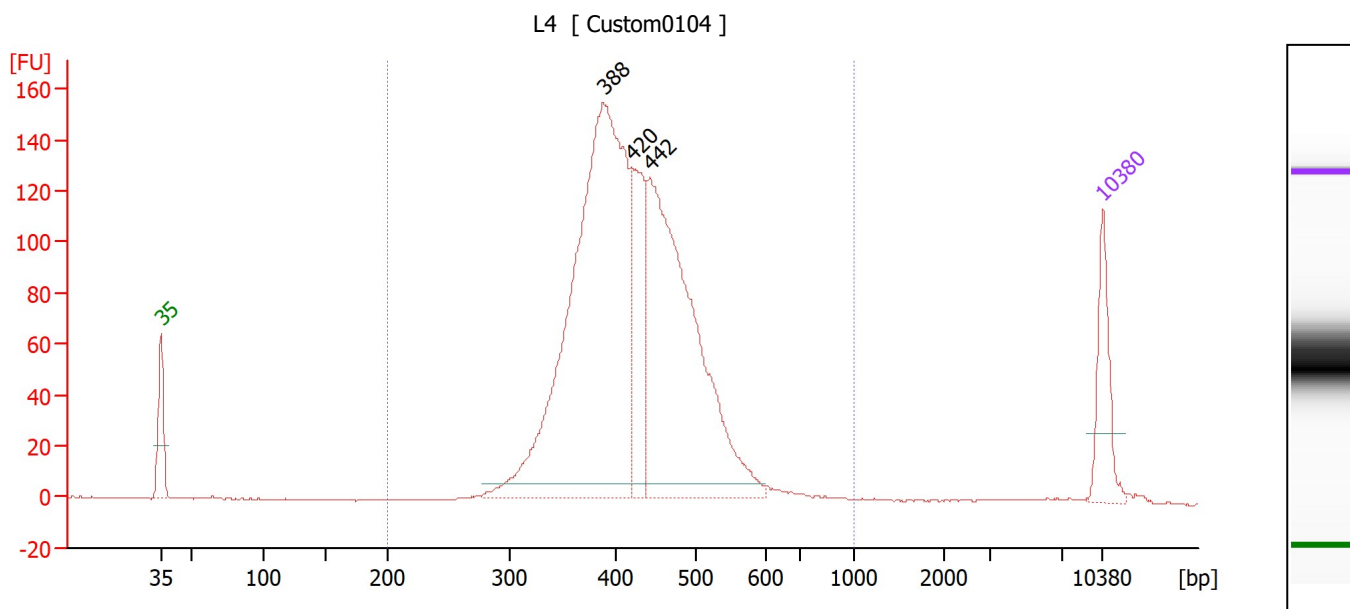
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	173	21.38	187.0	
3	382	1,789.63	7,093.1	
4	10,380	75.00	10.9	Upper Marker

Region table for sample 3 : L3

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	1,609.6	97	408	15.2	1,823.05	6,947.1	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2100 expert\data\2025-05-19\Custom0104_libraries.xad

Created: 5/19/2025 4:22:23 PM
Modified: 5/19/2025 5:15:25 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : L4**

Number of peaks found: 3 Corr. Area 1: 1,828.0
Noise: 0.2

Peak table for sample 4 : L4

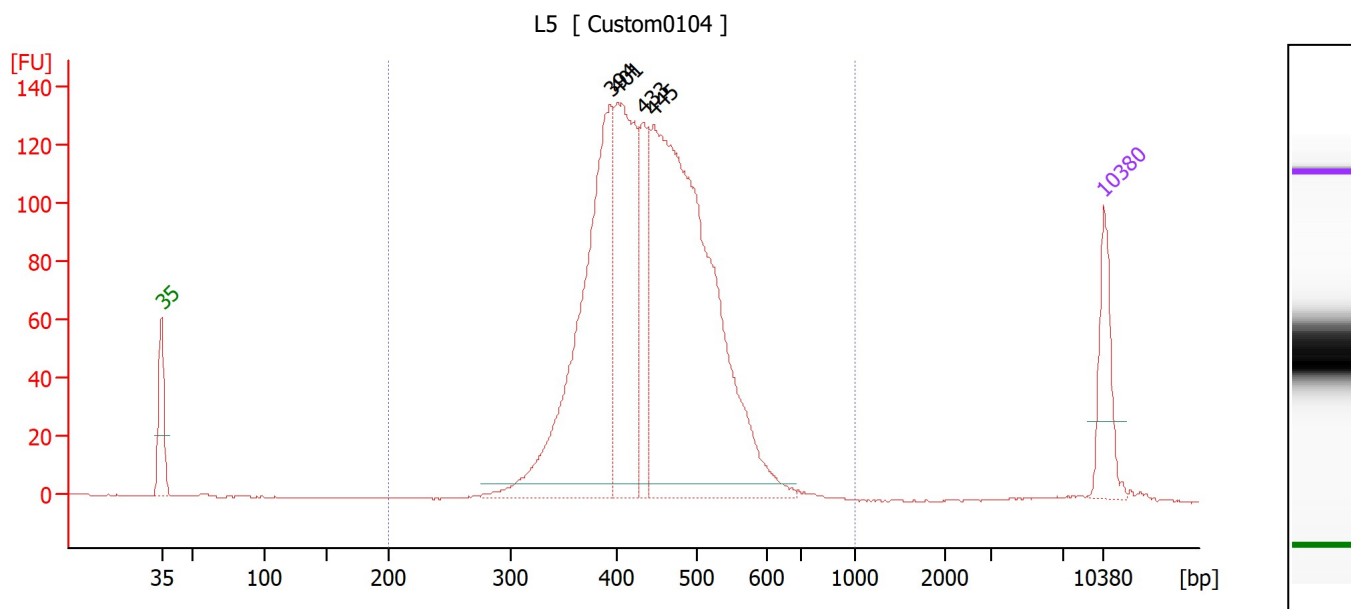
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	388	1,038.62	4,054.8	
3	420	190.00	684.7	
4	442	678.45	2,327.6	
5	10,380	75.00	10.9	Upper Marker

Region table for sample 4 : L4

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	1,828.0	98	426	16.3	1,979.04	7,240.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2100 expert\data\2025-05-19\Custom0104_libraries.xad

Created: 5/19/2025 4:22:23 PM
Modified: 5/19/2025 5:15:25 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : L5**

Number of peaks found: 4 Corr. Area 1: 1,775.4
Noise: 0.2

Peak table for sample 5 : L5

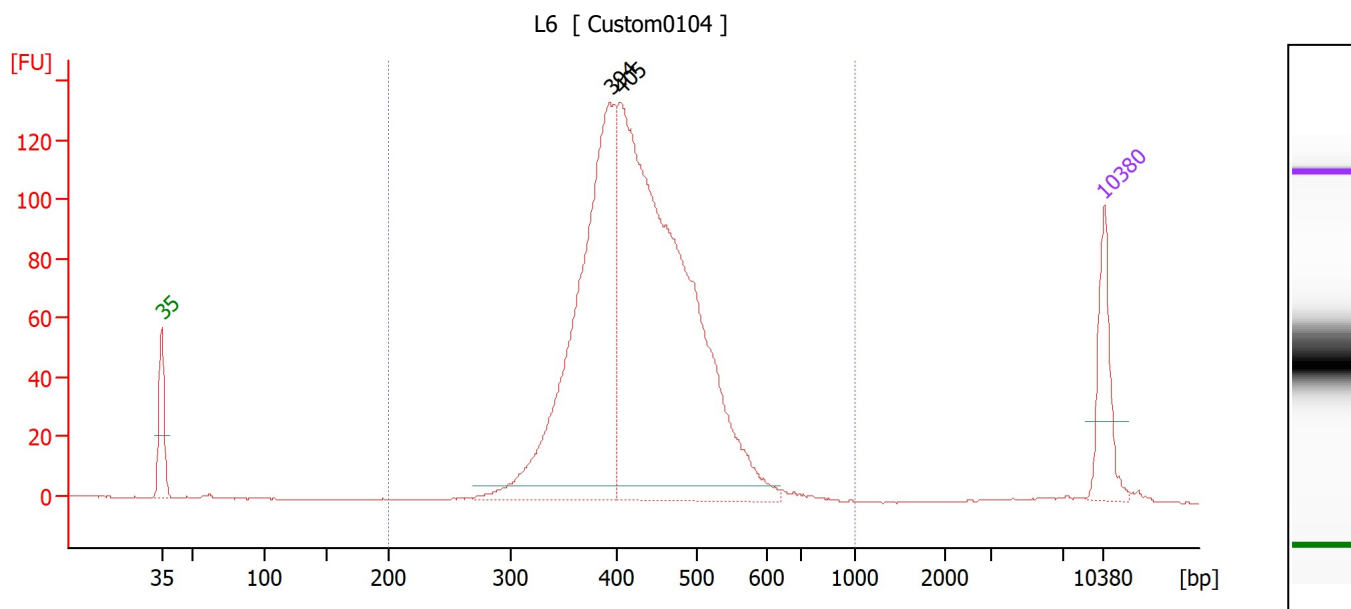
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	394	587.17	2,259.1	
3	401	371.85	1,405.4	
4	433	134.48	470.9	
5	445	1,014.49	3,450.5	Upper Marker
6	10,380	75.00	10.9	

Region table for sample 5 : L5

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	1,775.4	98	445	15.3	2,139.61	7,489.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2100 expert\data\2025-05-19\Custom0104_libraries.xad

Created: 5/19/2025 4:22:23 PM
Modified: 5/19/2025 5:15:25 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : L6**

Number of peaks found: 2 Corr. Area 1: 1,515.6
Noise: 0.2

Peak table for sample 6 : L6

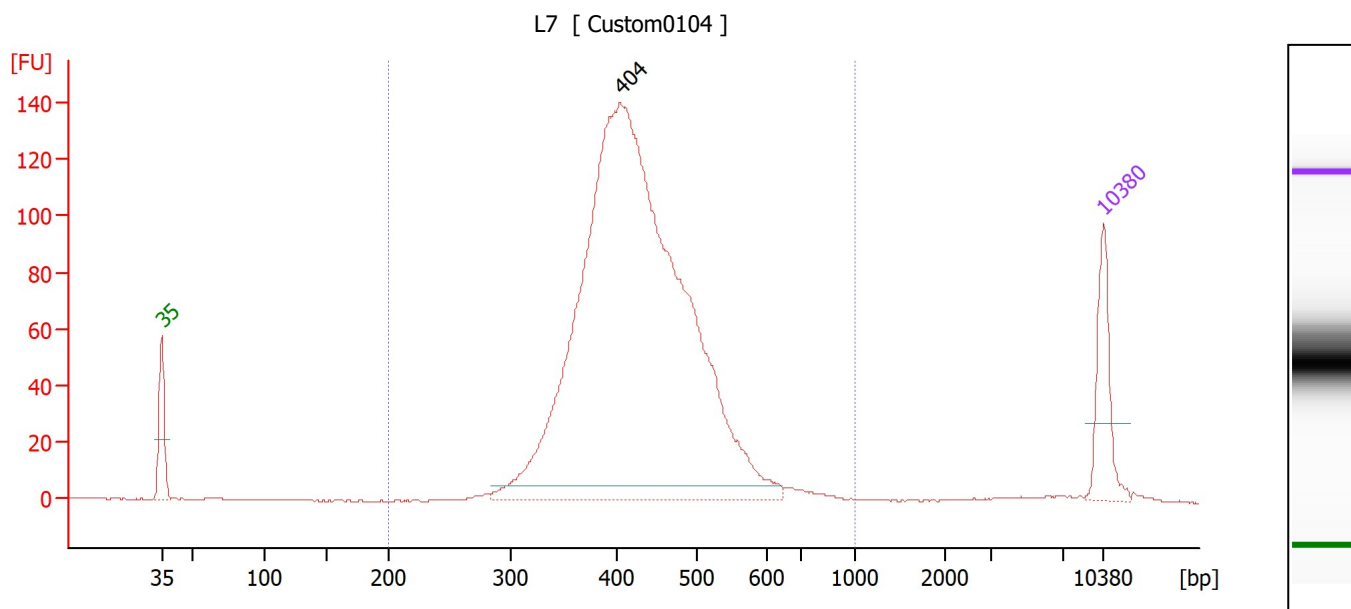
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	394	690.27	2,657.2	
3	405	1,167.20	4,371.0	
4	10,380	75.00	10.9	Upper Marker

Region table for sample 6 : L6

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	1,515.6	99	431	15.0	1,845.90	6,665.1	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2100 expert\data\2025-05-19\Custom0104_libraries.xad

Created: 5/19/2025 4:22:23 PM
Modified: 5/19/2025 5:15:25 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : L7**

Number of peaks found: 1 Corr. Area 1: 1,554.4
Noise: 0.2

Peak table for sample 7 : L7

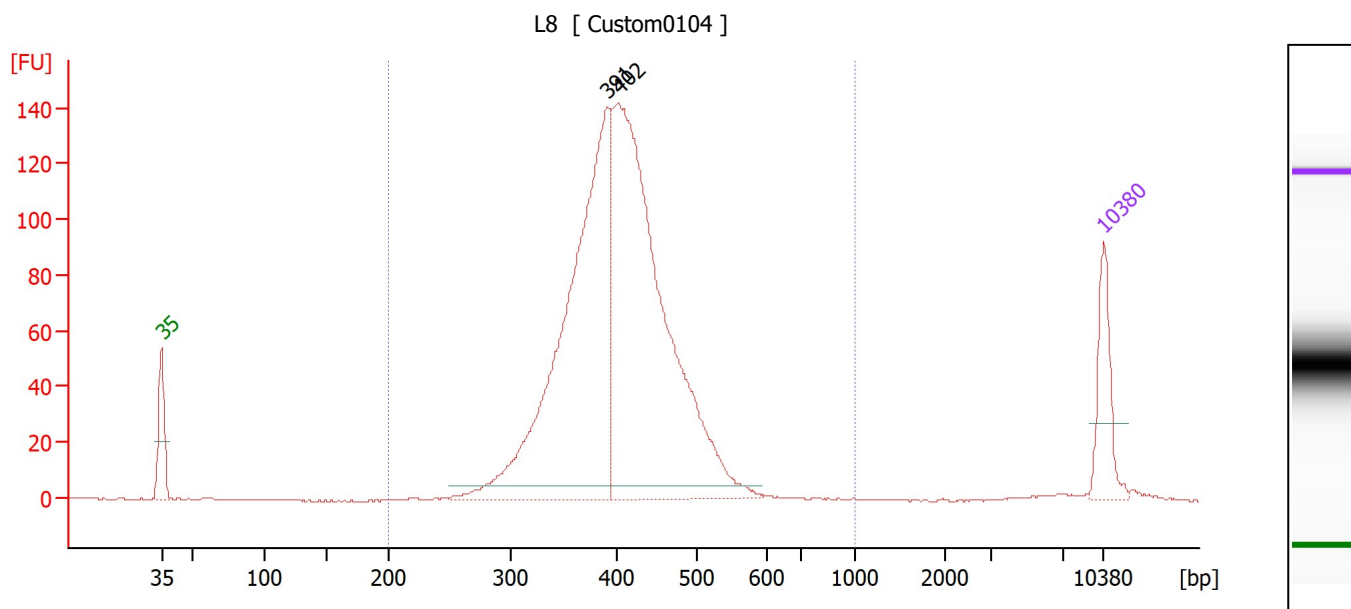
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	404	1,808.78	6,778.3	
3	10,380	75.00	10.9	Upper Marker

Region table for sample 7 : L7

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	1,554.4	98	432	16.8	1,840.47	6,656.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2100 expert\data\2025-05-19\Custom0104_libraries.xad

Created: 5/19/2025 4:22:23 PM
Modified: 5/19/2025 5:15:25 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : L8**

Number of peaks found: 2 Corr. Area 1: 1,469.2
Noise: 0.2

Peak table for sample 8 : L8

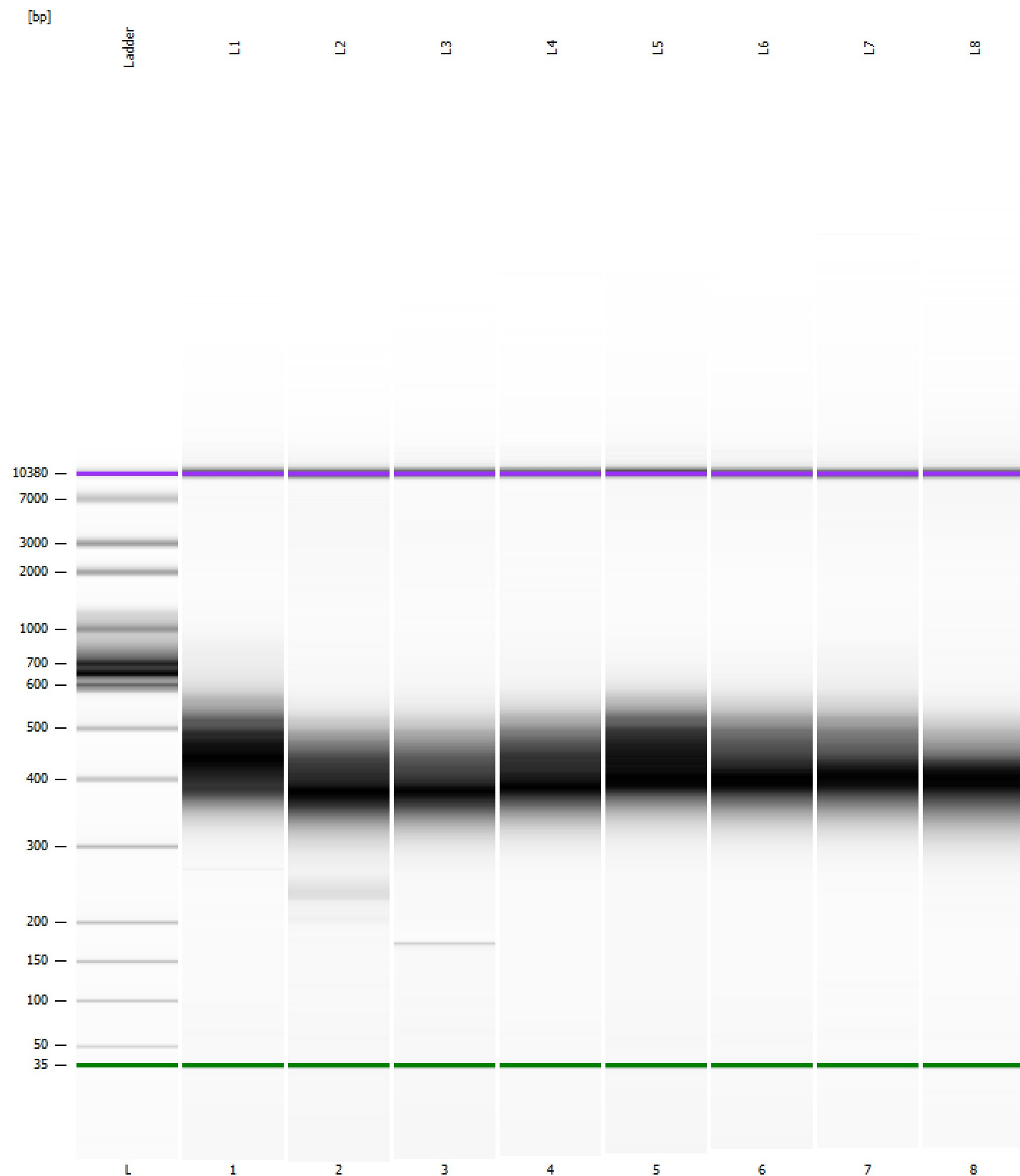
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	391	827.94	3,207.9	
3	402	964.50	3,638.4	
4	10,380	75.00	10.9	Upper Marker

Region table for sample 8 : L8

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	1,469.2	97	408	15.6	1,880.04	7,165.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2100 expert\data\2025-05-19\Custom0104_libraries.xad

Created: 5/19/2025 4:22:23 PM
Modified: 5/19/2025 5:15:25 PM

Gel Image

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...alyzer\2100 expert\data\2025-05-19\Custom0104_libraries.xad

Created: 5/19/2025 4:22:23 PM
 Modified: 5/19/2025 5:15:25 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		5/19/2025 5:02:52 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\2025-05-19\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-05-19_003.xad)		Instrument	Run		5/19/2025 4:22:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/19/2025 4:22:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/19/2025 4:22:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/19/2025 4:22:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/19/2025 4:22:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/19/2025 4:22:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/19/2025 4:22:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB