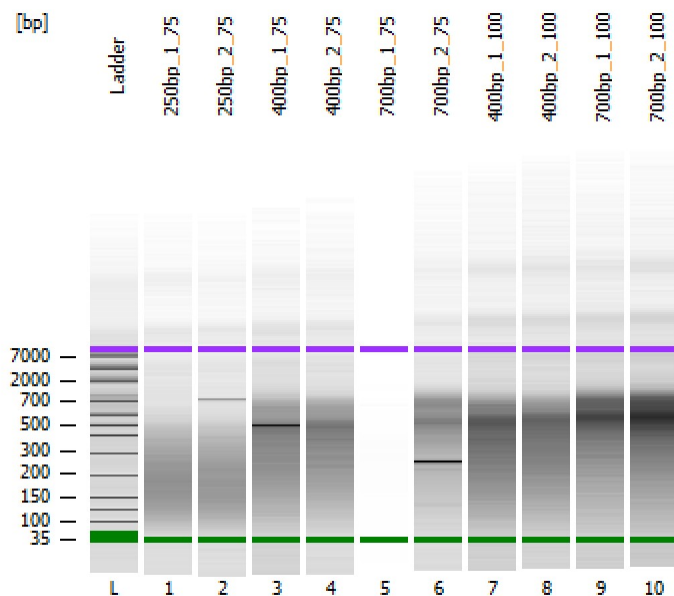


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...xpert\data\2025-09-02\55ul_Plate_Sonication_DNA_Testing.xad

Created: 9/2/2025 12:01:51 PM
Modified: 9/2/2025 3:15:48 PM

Electrophoresis File Run Summary



Instrument Information:

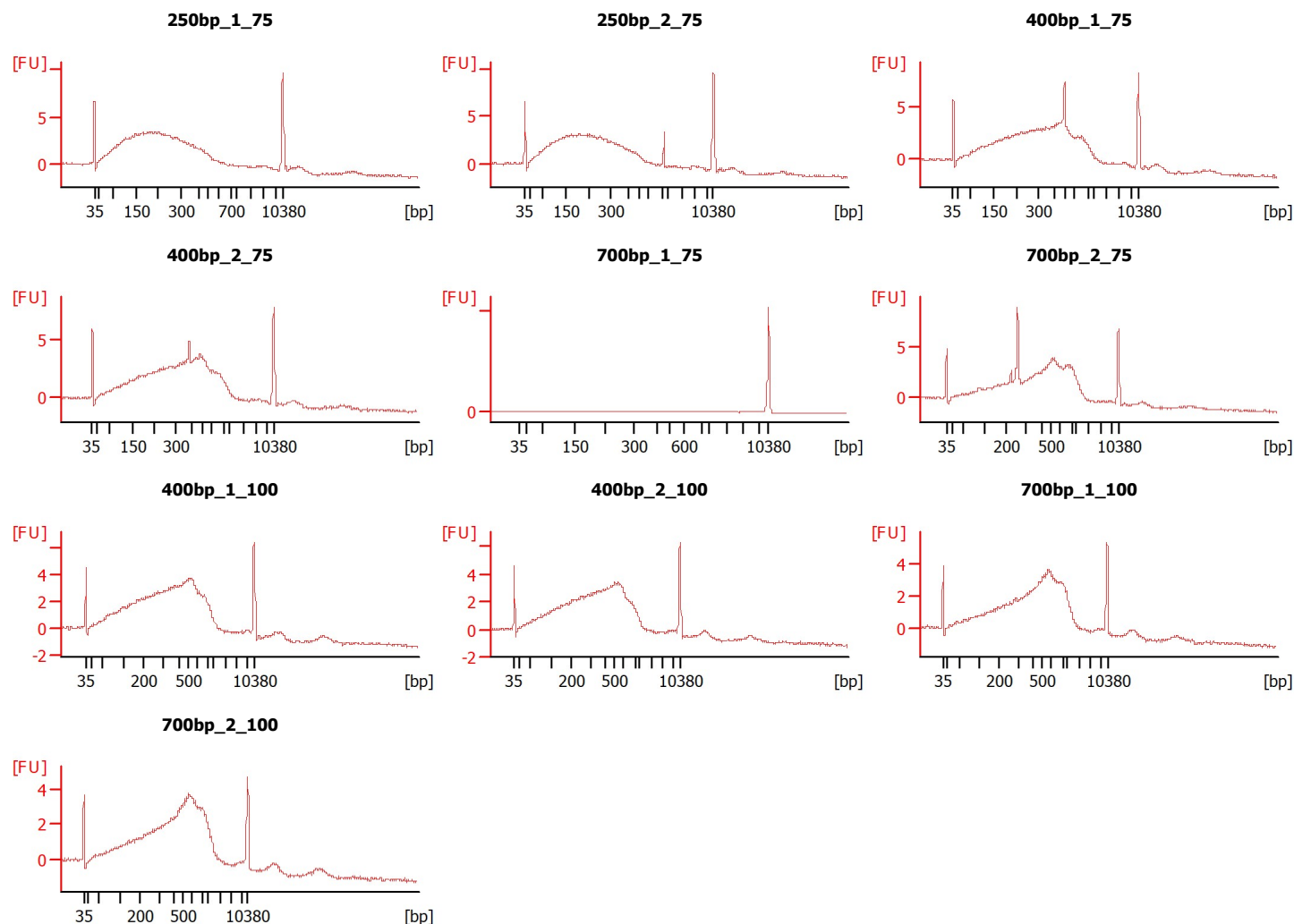
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\...xpert\data\2025-09-02\55ul_Plate_Sonication_DNA_Testing.xad

Created: 9/2/2025 12:01:51 PM
Modified: 9/2/2025 3:15:48 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
250bp_1_75		☐	✓			
250bp_2_75		☐	✓			
400bp_1_75		☐	✓			
400bp_2_75		☐	✓			
700bp_1_75		☐	✓			
700bp_2_75		☐	✓			
400bp_1_100		☐	✓			
400bp_2_100		☐	✓			
700bp_1_100		☐	✓			
700bp_2_100		☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...xpert\data\2025-09-02\55ul_Plate_Sonication_DNA_Testing.xad

Created: 9/2/2025 12:01:51 PM
Modified: 9/2/2025 3:15:48 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

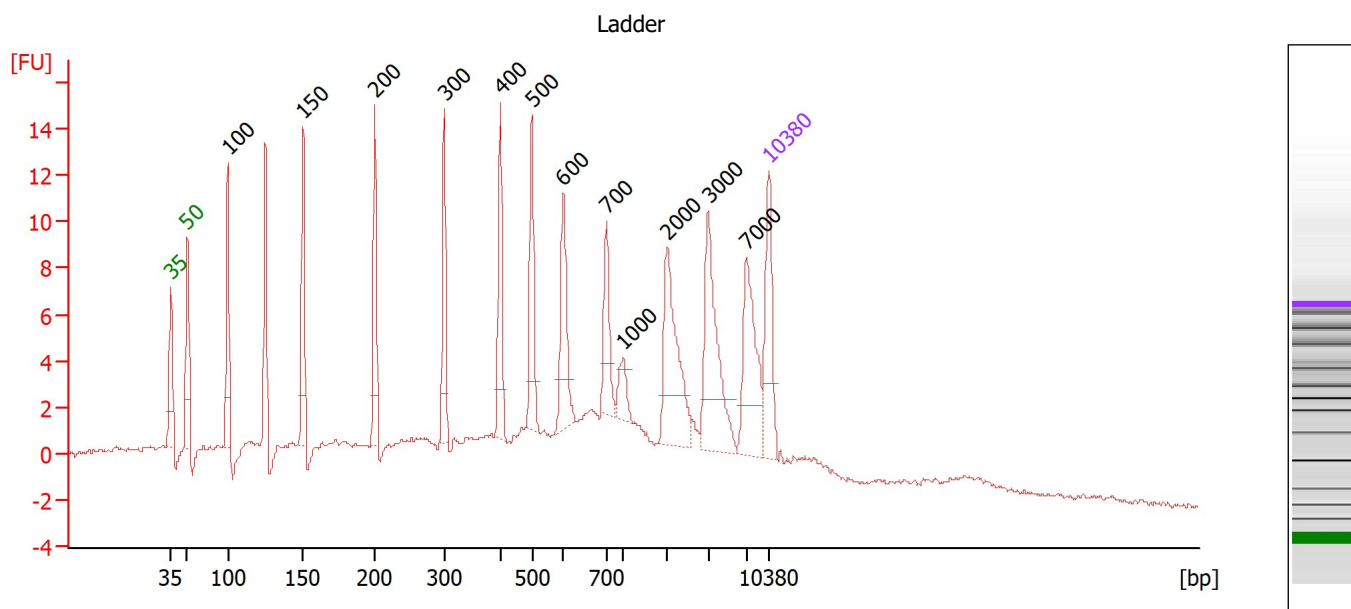
Ladder

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:\...xpert\data\2025-09-02\55ul_Plate_Sonication_DNA_Testing.xad

Created: 9/2/2025 12:01:51 PM
 Modified: 9/2/2025 3:15:48 PM

Electropherogram Summary



Overall Results for Ladder

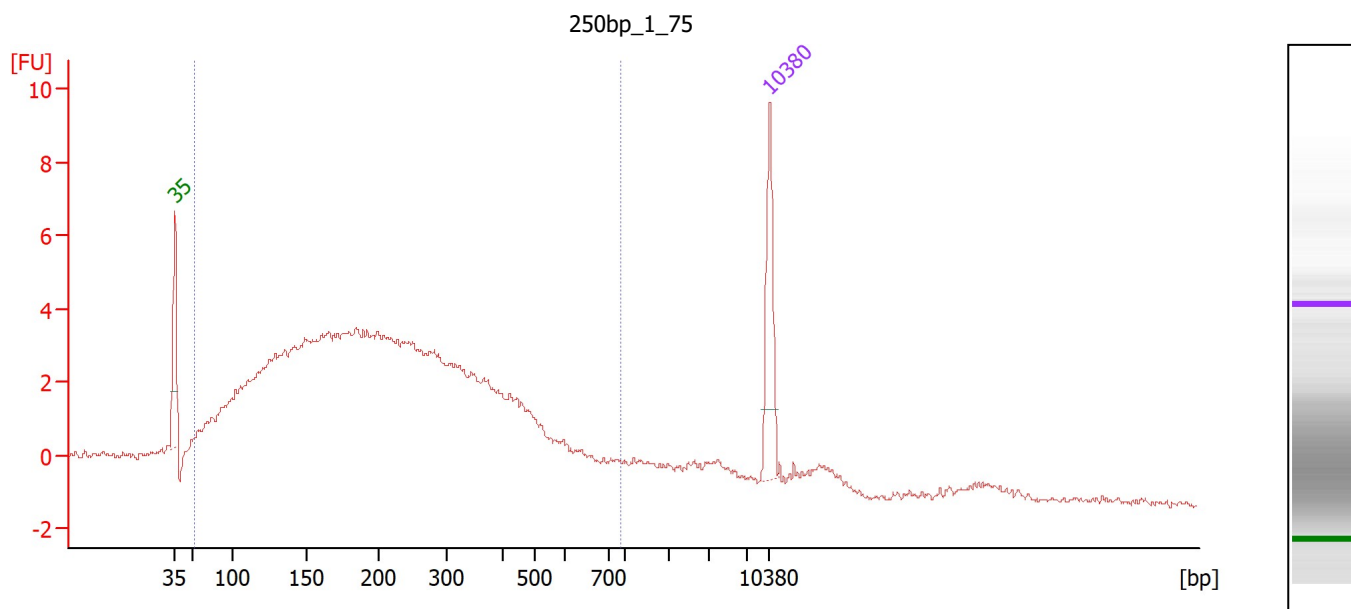
Noise: 0.1

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	Lower Marker, 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:\...xpert\data\2025-09-02\55ul_Plate_Sonication_DNA_Testing.xad

Created: 9/2/2025 12:01:51 PM
Modified: 9/2/2025 3:15:48 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : 250bp_1_75**

Number of peaks found: 0 Corr. Area 1: 157.0
Noise: 0.1

Peak table for sample 1 : 250bp_1_75

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

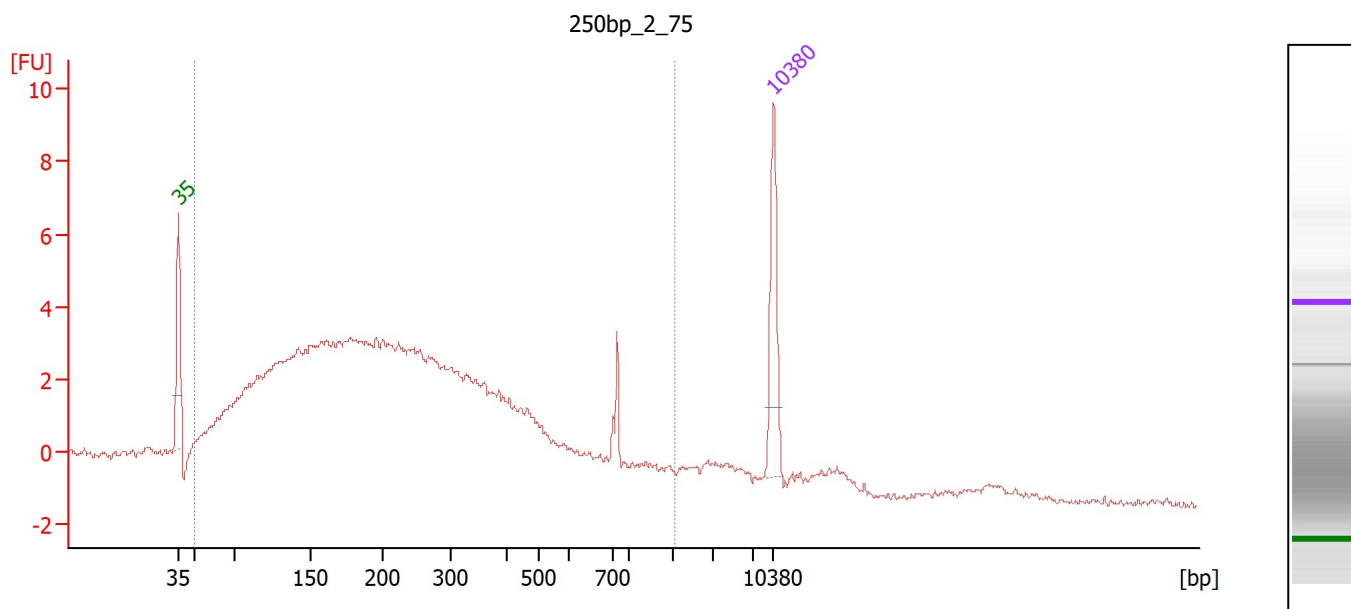
Region table for sample 1 : 250bp_1_75

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
55	921	157.0	92	249	55.5	2,697.23	23,642.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...xpert\data\2025-09-02\55ul_Plate_Sonication_DNA_Testing.xad

Created: 9/2/2025 12:01:51 PM
 Modified: 9/2/2025 3:15:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 250bp 2 75

Number of peaks found: 0 Corr. Area 1: 149.3
 Noise: 0.1

Peak table for sample 2 : 250bp 2 75

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

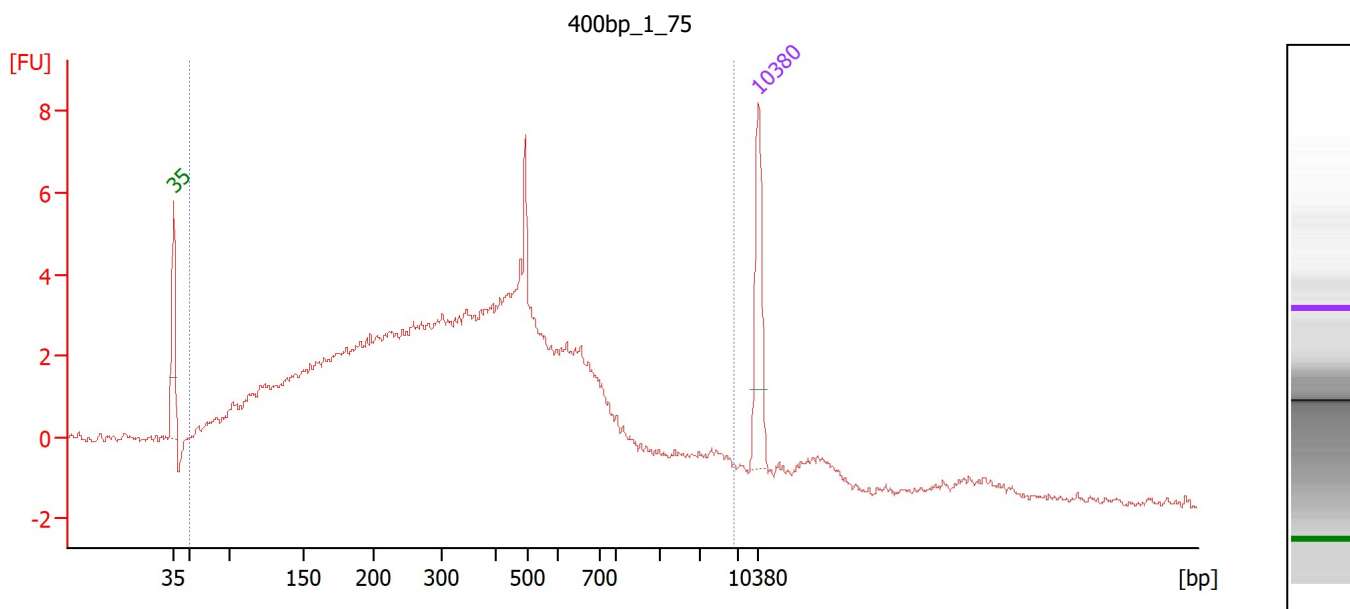
Region table for sample 2 : 250bp 2 75

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
49	2,033	149.3	95	273	79.2	2,652.19	23,247.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...xpert\data\2025-09-02\55ul_Plate_Sonication_DNA_Testing.xad

Created: 9/2/2025 12:01:51 PM
 Modified: 9/2/2025 3:15:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 400bp_1_75

Number of peaks found: 0 Corr. Area 1: 160.2
 Noise: 0.1

Peak table for sample 3 : 400bp_1_75

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

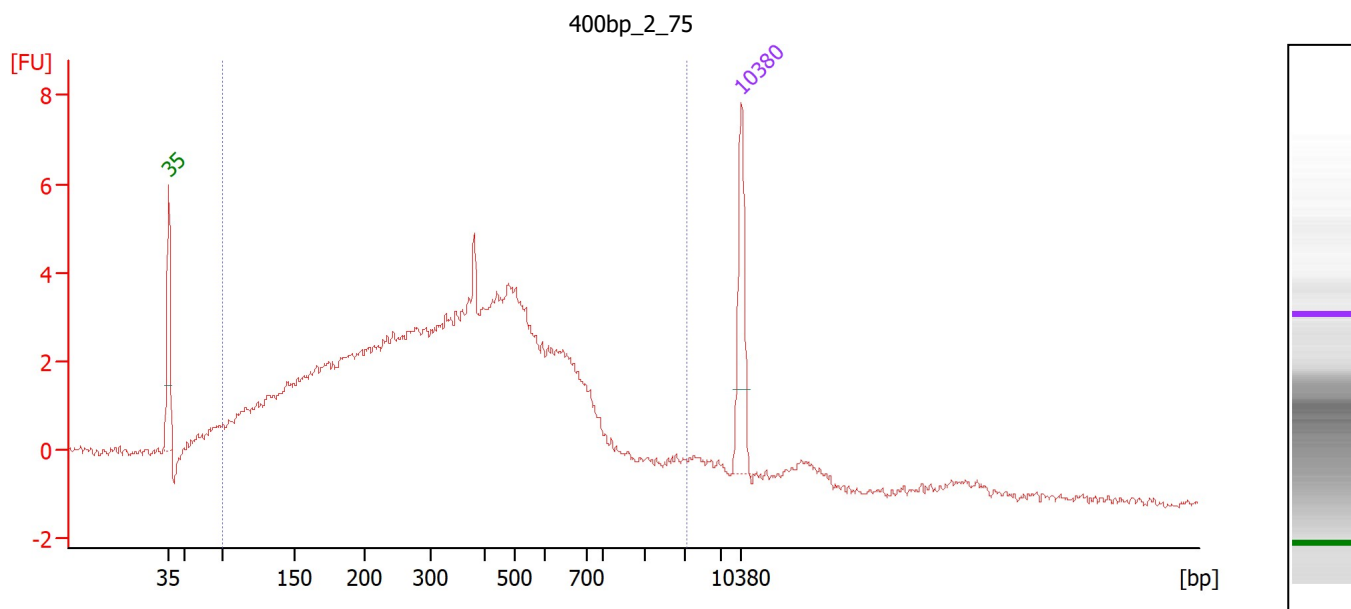
Region table for sample 3 : 400bp_1_75

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
50	6,639	160.2	97	480	100.0	2,749.33	18,142.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...xpert\data\2025-09-02\55ul_Plate_Sonication_DNA_Testing.xad

Created: 9/2/2025 12:01:51 PM
 Modified: 9/2/2025 3:15:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 400bp 2 75

Number of peaks found: 0 Corr. Area 1: 143.5
 Noise: 0.1

Peak table for sample 4 : 400bp 2 75

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

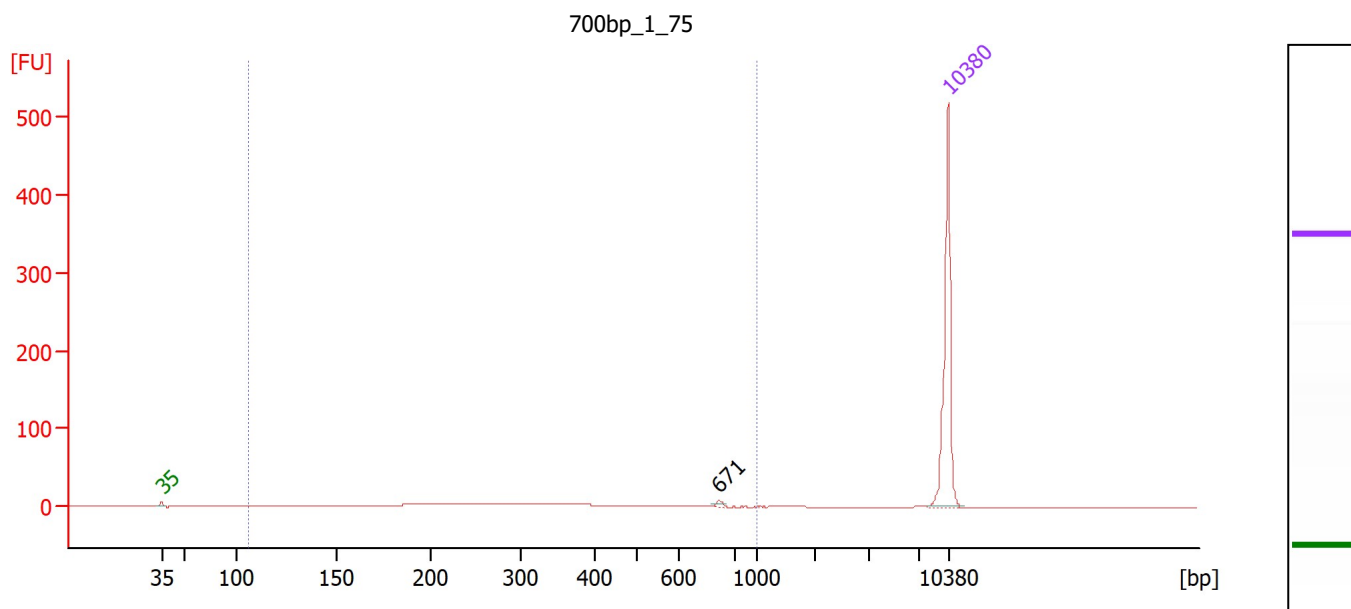
Region table for sample 4 : 400bp 2 75

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
98	3,307	143.5	94	424	88.3	2,734.33	16,864.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...xpert\data\2025-09-02\55ul_Plate_Sonication_DNA_Testing.xad

Created: 9/2/2025 12:01:51 PM
 Modified: 9/2/2025 3:15:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 700bp_1_75

Number of peaks found: 1 Corr. Area 1: 153.7
 Noise: 0.1

Peak table for sample 5 : 700bp_1_75

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	671	2.04	4.6	
3	10,380	75.00	10.9	Upper Marker

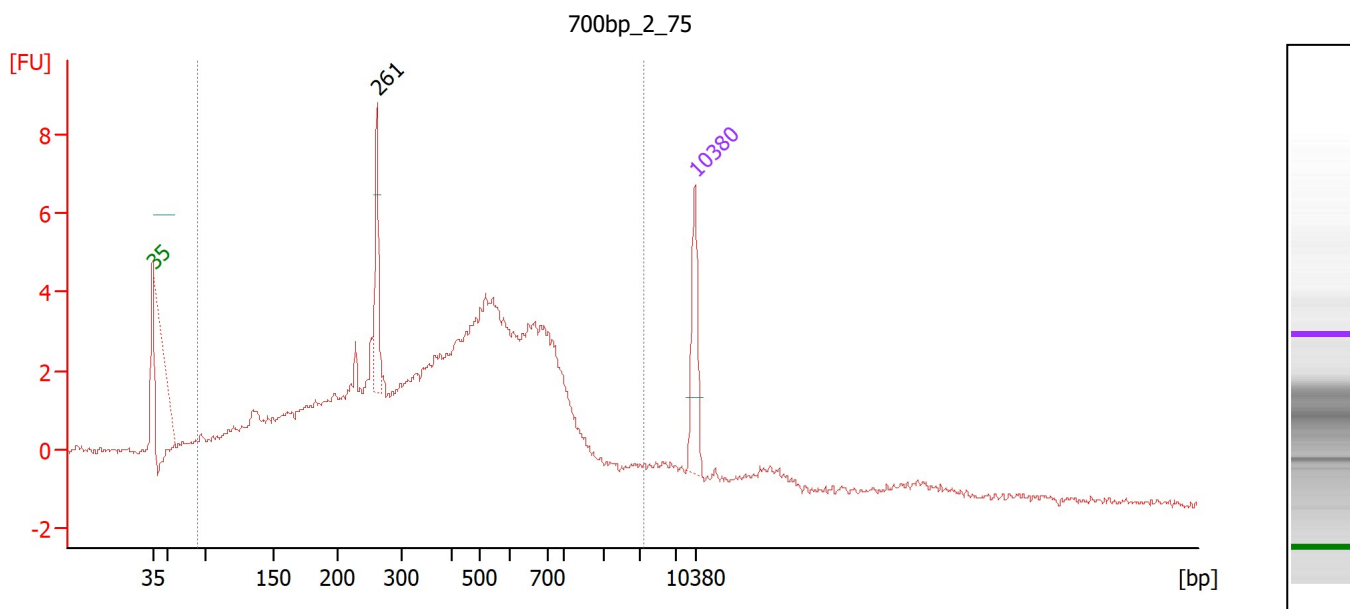
Region table for sample 5 : 700bp_1_75

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
106	1,000	153.7	90	303	49.1	66.24	450.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...xpert\data\2025-09-02\55ul_Plate_Sonication_DNA_Testing.xad

Created: 9/2/2025 12:01:51 PM
 Modified: 9/2/2025 3:15:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 700bp 2 75

Number of peaks found: 1 Corr. Area 1: 118.3
 Noise: 0.1

Peak table for sample 6 : 700bp 2 75

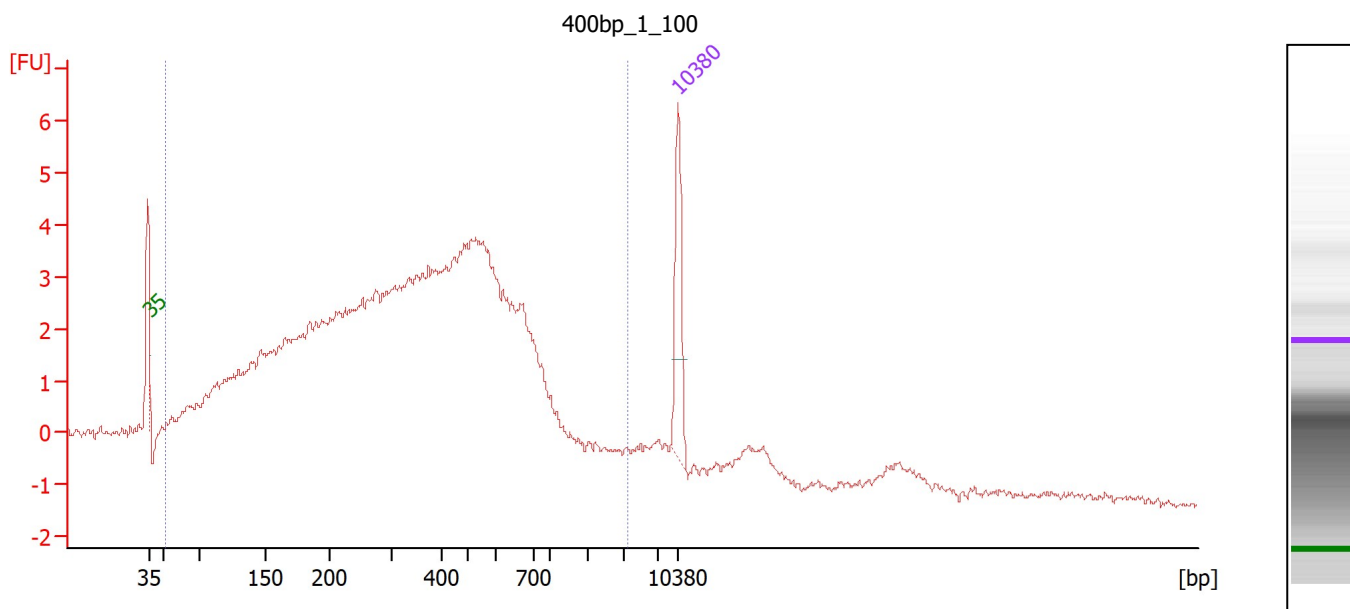
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	261	101.60	589.8	
3	10,380	75.00	10.9	Upper Marker

Region table for sample 6 : 700bp 2 75

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
91	3,387	118.3	95	483	70.9	2,430.06	12,910.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...xpert\data\2025-09-02\55ul_Plate_Sonication_DNA_Testing.xad

Created: 9/2/2025 12:01:51 PM
Modified: 9/2/2025 3:15:48 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : 400bp 1 100**

Number of peaks found: 0 Corr. Area 1: 142.7
Noise: 0.1

Peak table for sample 7 : 400bp 1 100

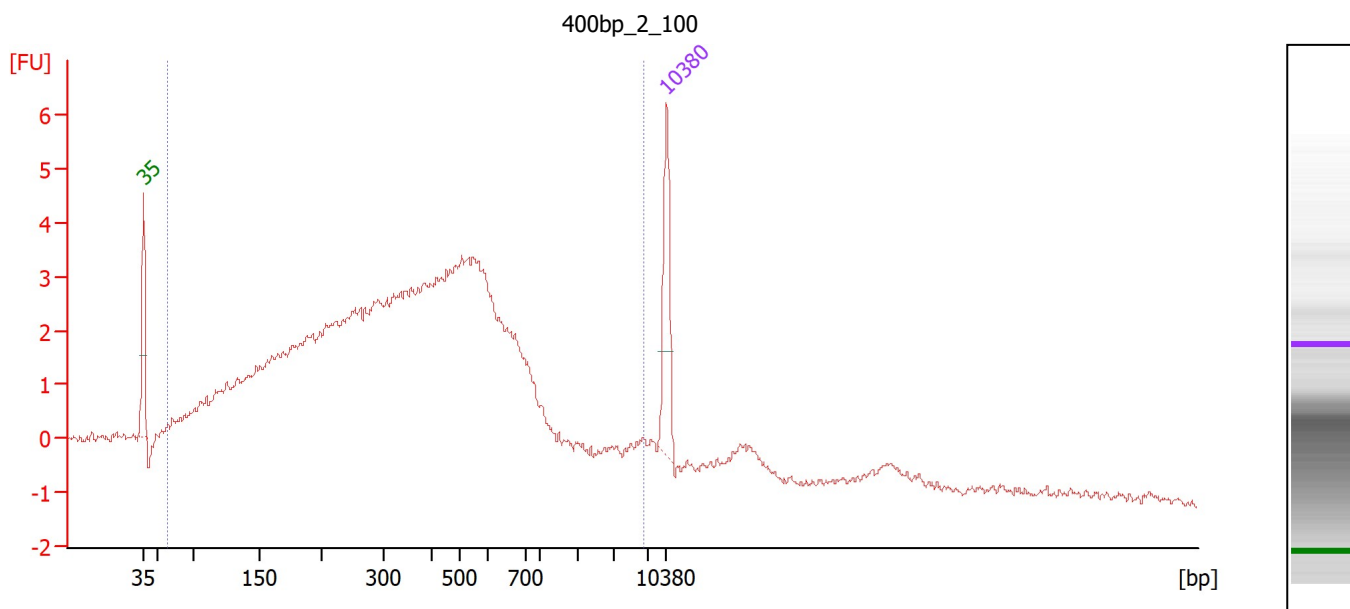
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

Region table for sample 7 : 400bp 1 100

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
53	3,428	142.7	94	422	83.0	3,170.92	20,389.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...xpert\data\2025-09-02\55ul_Plate_Sonication_DNA_Testing.xad

Created: 9/2/2025 12:01:51 PM
Modified: 9/2/2025 3:15:48 PM

Electropherogram Summary Continued ...**Setpoint Deviations for sample 8 : 400bp 2 100**

Height Threshold [FU] : 1

Overall Results for sample 8 : 400bp 2 100

Number of peaks found: 0 Corr. Area 1: 132.6
Noise: 0.1

Peak table for sample 8 : 400bp 2 100

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

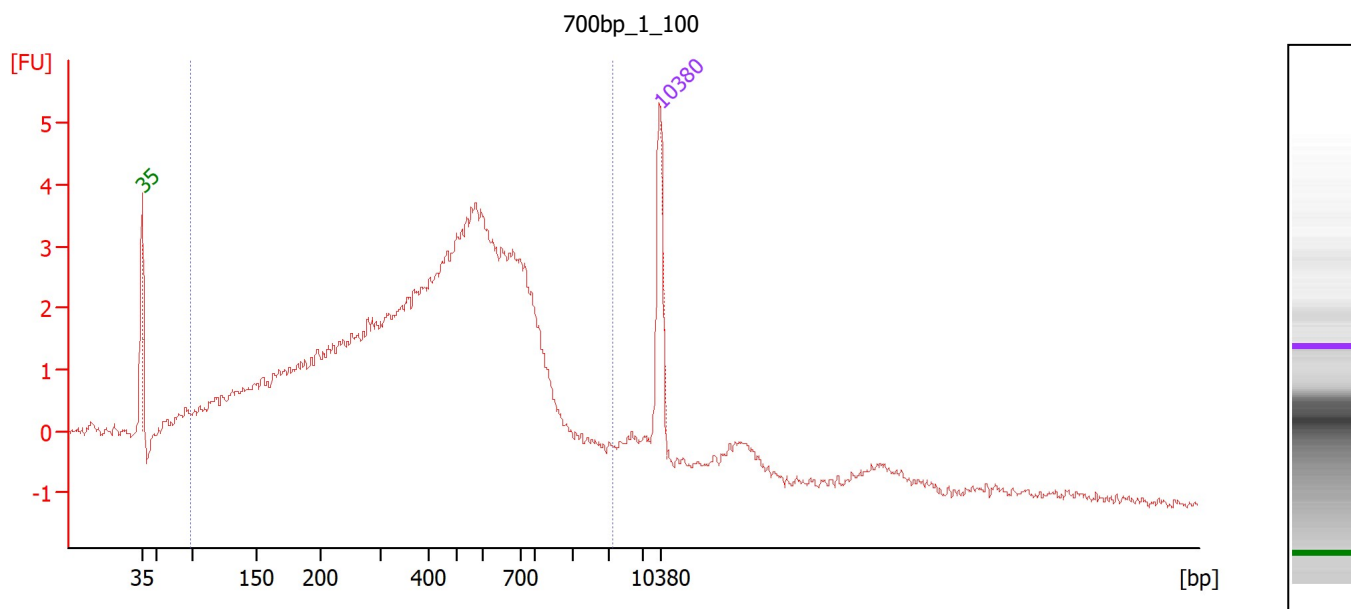
Region table for sample 8 : 400bp 2 100

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
63	6,541	132.6	94	496	100.0	3,098.44	19,549.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...xpert\data\2025-09-02\55ul_Plate_Sonication_DNA_Testing.xad

Created: 9/2/2025 12:01:51 PM
 Modified: 9/2/2025 3:15:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 700bp_1_100

Number of peaks found: 0 Corr. Area 1: 109.5
 Noise: 0.1

Peak table for sample 9 : 700bp_1_100

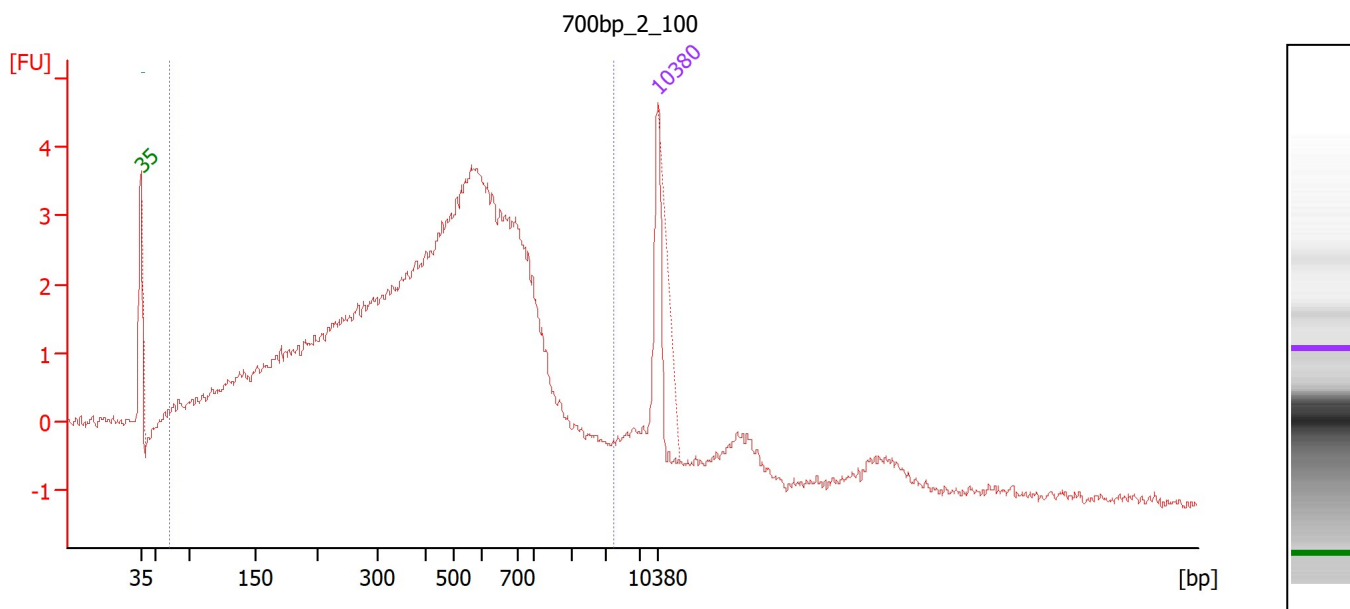
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

Region table for sample 9 : 700bp_1_100

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
96	3,408	109.5	89	524	77.8	0.00	0.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...xpert\data\2025-09-02\55ul_Plate_Sonication_DNA_Testing.xad

Created: 9/2/2025 12:01:51 PM
Modified: 9/2/2025 3:15:48 PM

Electropherogram Summary Continued ...**Setpoint Deviations for sample 10 : 700bp 2 100**

Height Threshold [FU] : 1

Overall Results for sample 10 : 700bp 2 100

Number of peaks found: 0 Corr. Area 1: 115.7
Noise: 0.1

Peak table for sample 10 : 700bp 2 100

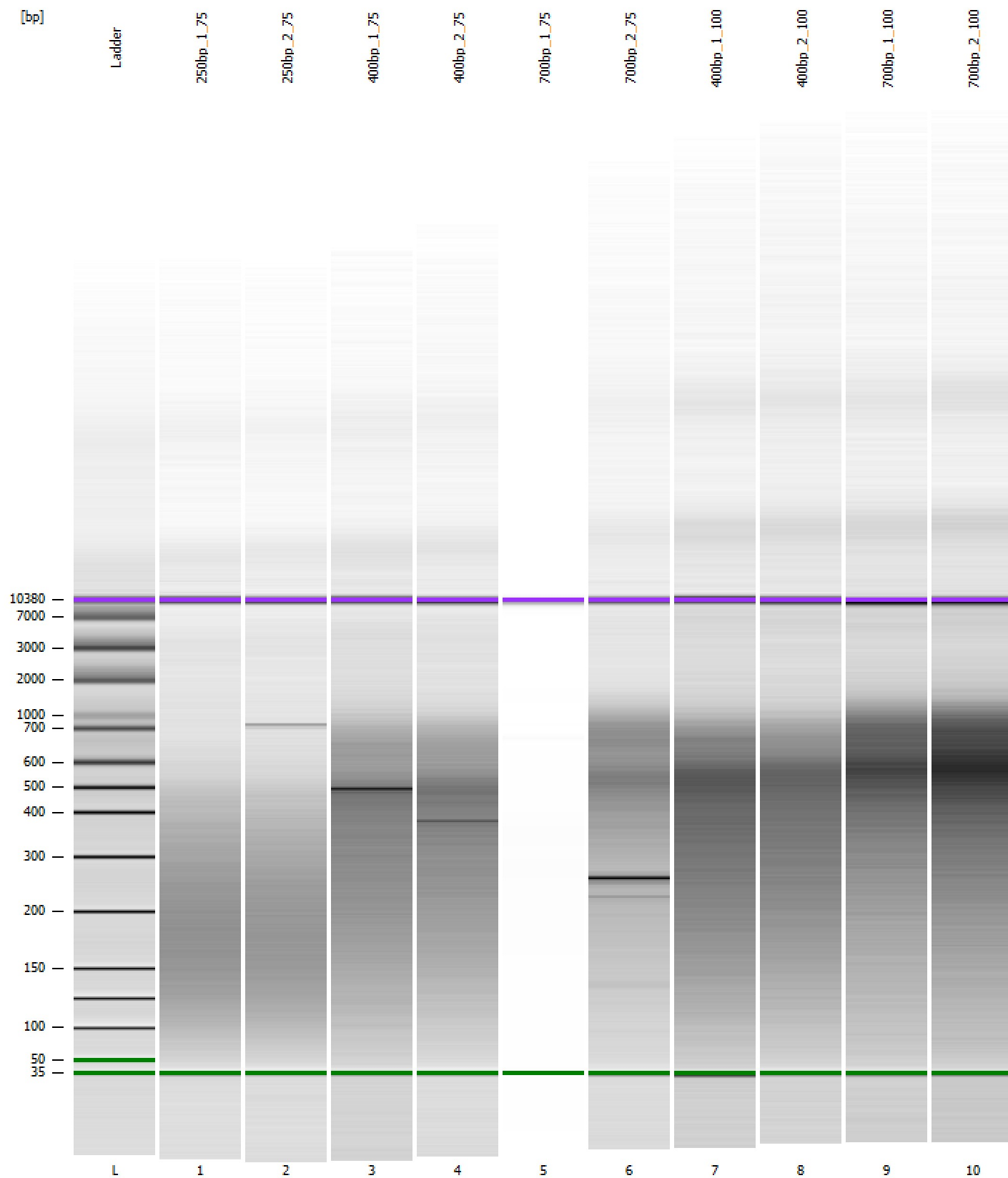
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

Region table for sample 10 : 700bp 2 100

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
71	3,757	115.7	91	524	80.2	0.00	0.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...xpert\data\2025-09-02\55ul_Plate_Sonication_DNA_Testing.xad

Created: 9/2/2025 12:01:51 PM
Modified: 9/2/2025 3:15:48 PM

Gel Image

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...xpert\data\2025-09-02\55ul_Plate_Sonication_DNA_Testing.xad

Created: 9/2/2025 12:01:51 PM
 Modified: 9/2/2025 3:15:48 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		9/2/2025 12:43:06 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\2025-09-02\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-09-02_002.xad)		Instrument	Run		9/2/2025 12:01:51 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/2/2025 12:01:51 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/2/2025 12:01:51 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/2/2025 12:01:51 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/2/2025 12:01:51 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/2/2025 12:01:51 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/2/2025 12:01:51 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB