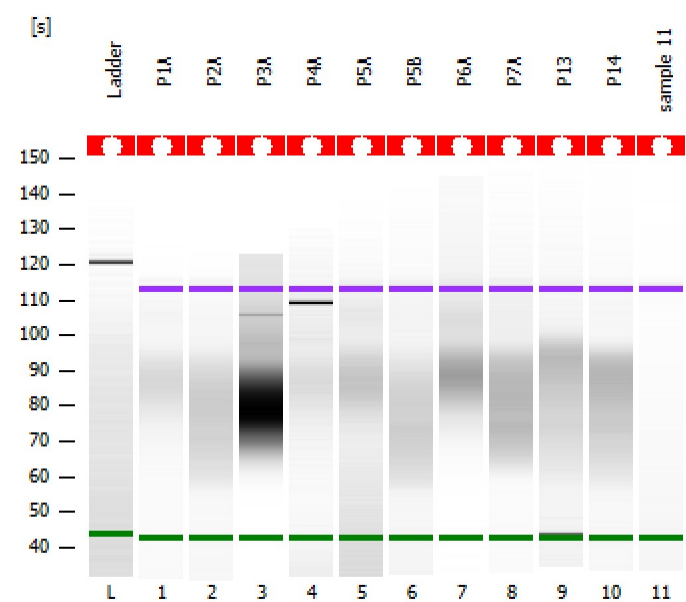


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad

Created: 2/10/2023 11:15:03 AM
Modified: 2/10/2023 11:56:23 AM

Electrophoresis File Run Summary



Instrument Information:

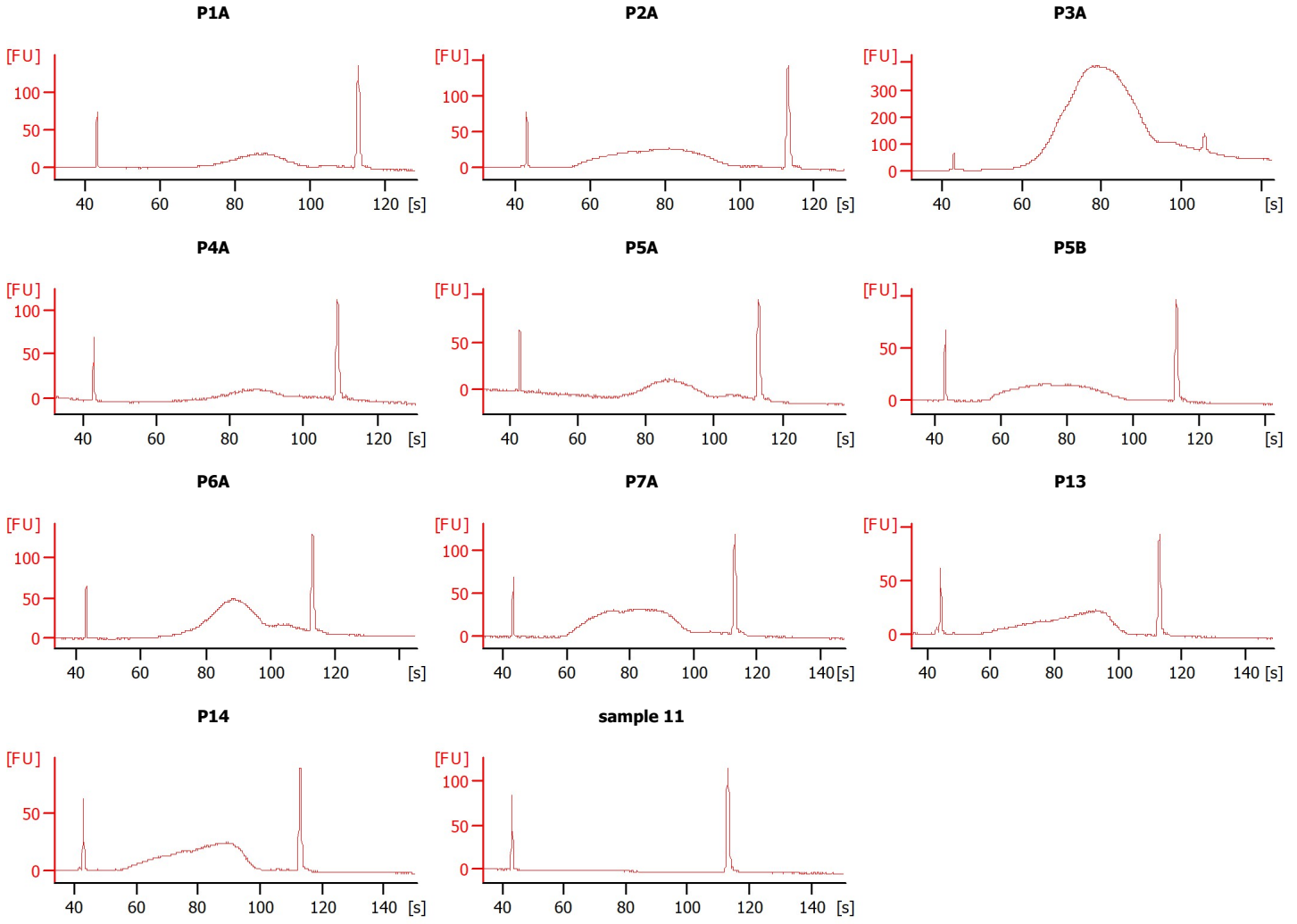
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad

Created: 2/10/2023 11:15:03 AM
 Modified: 2/10/2023 11:56:23 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
P1A		<input type="checkbox"/>	✓			
P2A		<input type="checkbox"/>	✓			
P3A		<input type="checkbox"/>	✓			
P4A		<input type="checkbox"/>	✓			
P5A		<input type="checkbox"/>	✓			
P5B		<input type="checkbox"/>	✓			
P6A		<input type="checkbox"/>	✓			
P7A		<input type="checkbox"/>	✓			
P13		<input type="checkbox"/>	✓			
P14		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad

Created: 2/10/2023 11:15:03 AM
 Modified: 2/10/2023 11:56:23 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

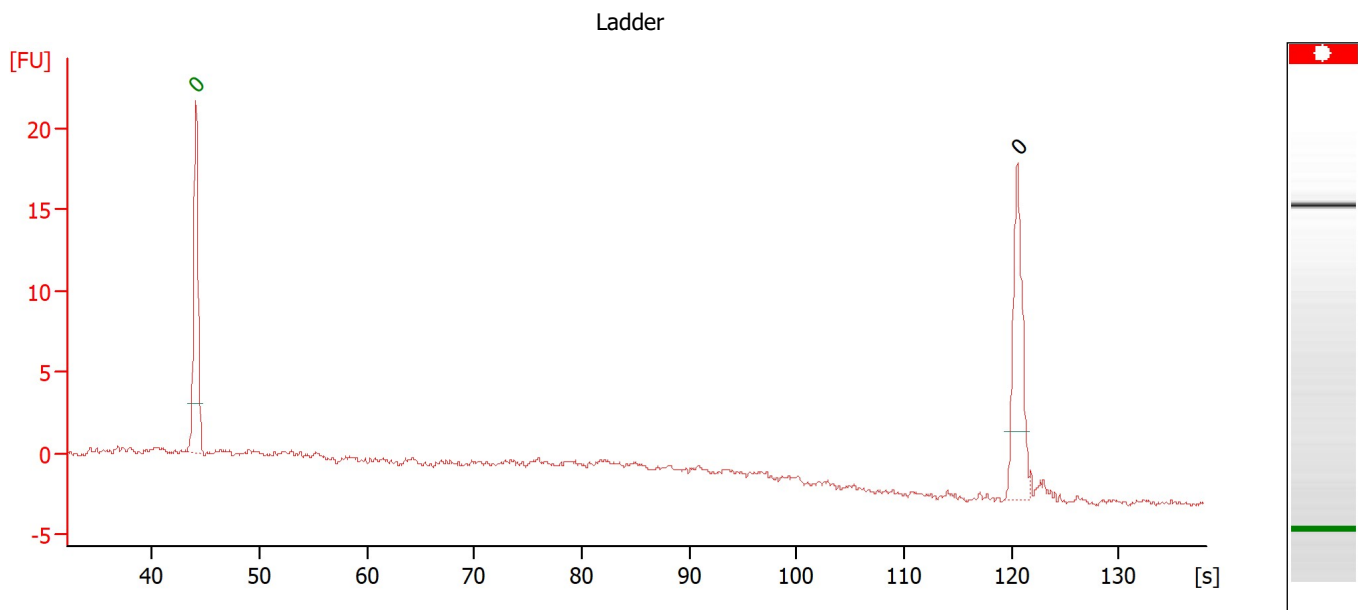
Ladder

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:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad

Created: 2/10/2023 11:15:03 AM
 Modified: 2/10/2023 11:56:23 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

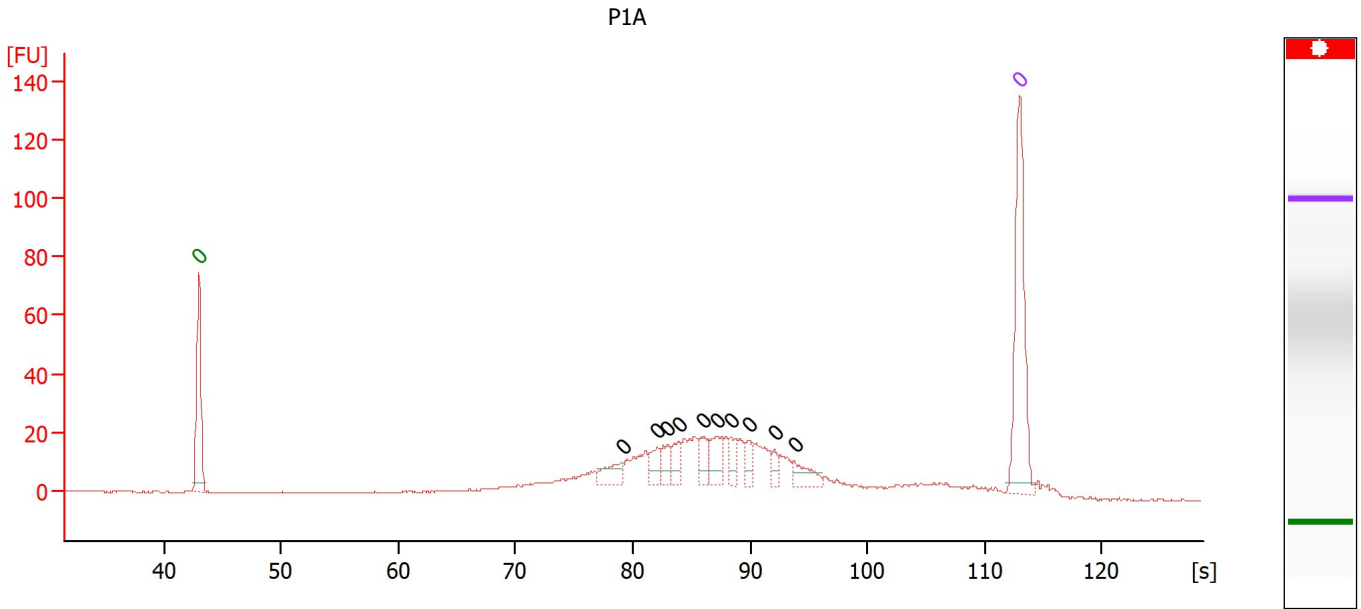
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	Ladder Peak

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad

Created: 2/10/2023 11:15:03 AM
 Modified: 2/10/2023 11:56:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : P1A

Number of peaks found: 10 Noise: 0.2

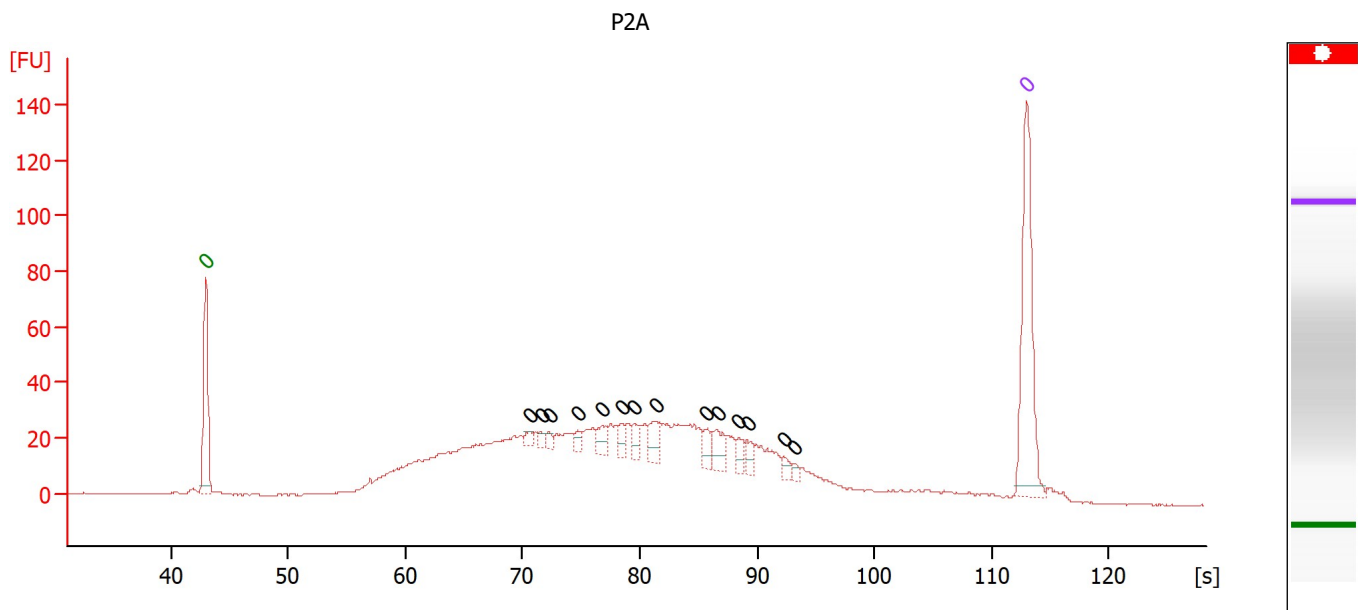
Peak table for sample 1 : P1A

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad

Created: 2/10/2023 11:15:03 AM
 Modified: 2/10/2023 11:56:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : P2A

Number of peaks found: 14 Noise: 0.3

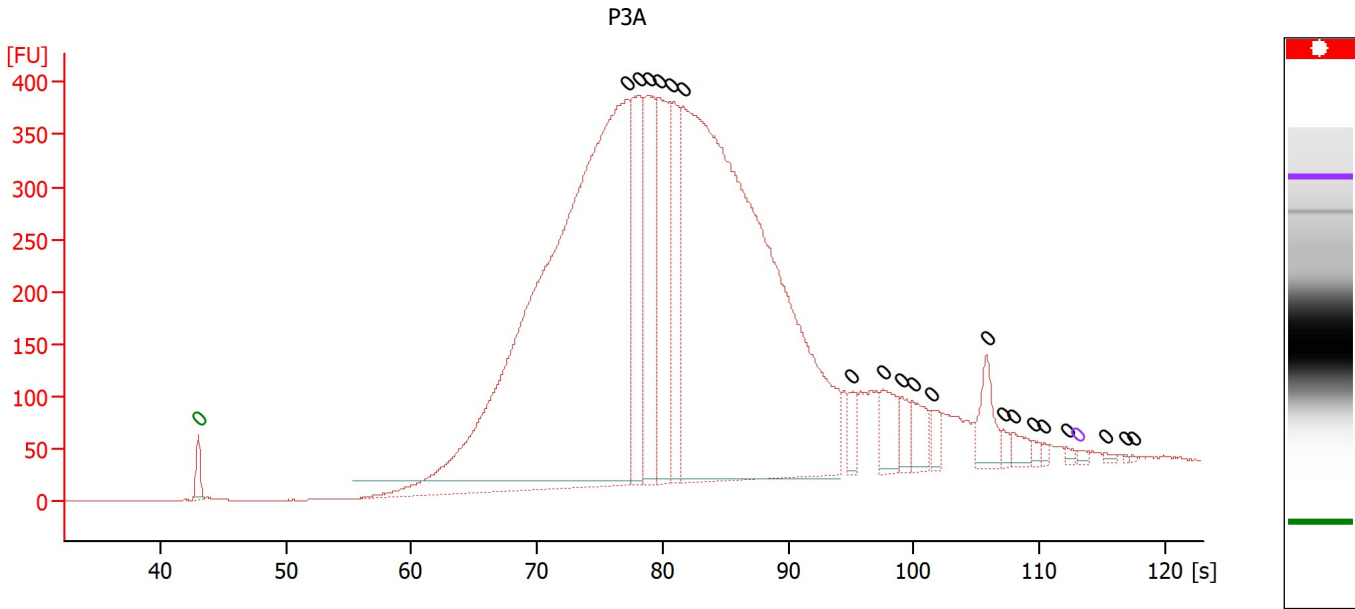
Peak table for sample 2 : P2A

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	
15	0	0.00	0.0	
16	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad

Created: 2/10/2023 11:15:03 AM
 Modified: 2/10/2023 11:56:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : P3A

Number of peaks found: 20 Noise: 0.2

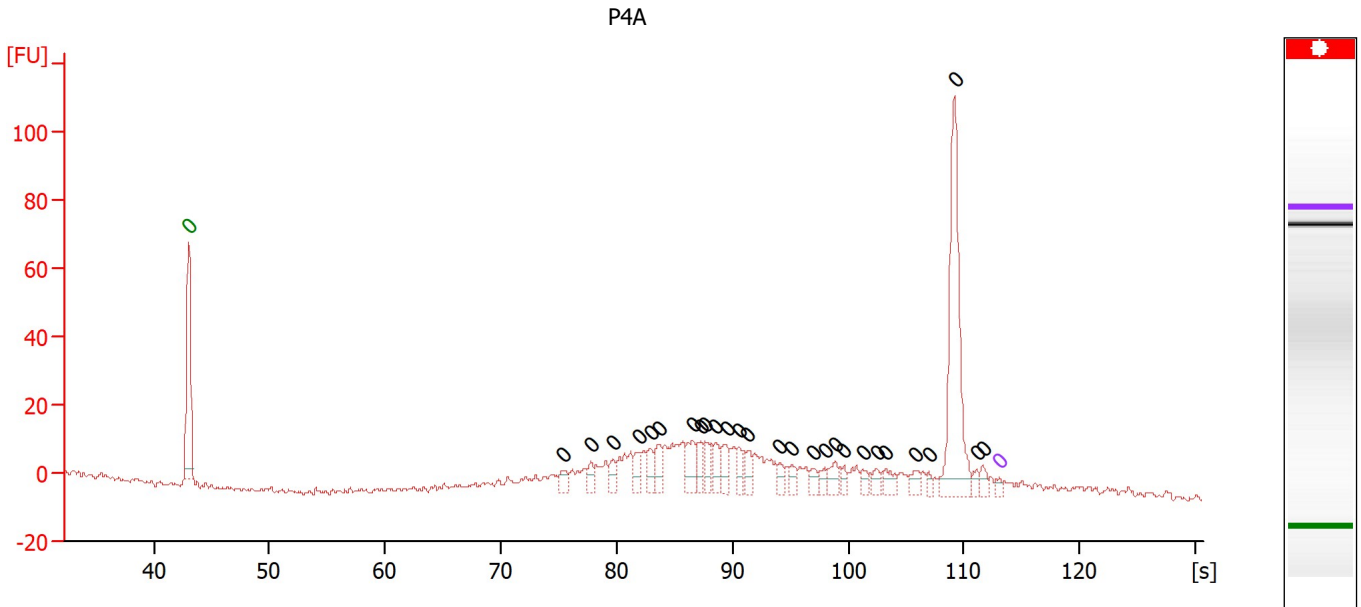
Peak table for sample 3 : P3A

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	
15	0	0.00	0.0	
16	0	0.00	0.0	
17	0	0.00	0.0	
18	0	0.00	0.0	
19	0	0.00	0.0	Upper Marker
20	0	0.00	0.0	
21	0	0.00	0.0	
22	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad

Created: 2/10/2023 11:15:03 AM
 Modified: 2/10/2023 11:56:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : P4A

Number of peaks found: 27 Noise: 0.6

Peak table for sample 4 : P4A

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	
15	0	0.00	0.0	
16	0	0.00	0.0	
17	0	0.00	0.0	
18	0	0.00	0.0	
19	0	0.00	0.0	
20	0	0.00	0.0	
21	0	0.00	0.0	
22	0	0.00	0.0	
23	0	0.00	0.0	
24	0	0.00	0.0	
25	0	0.00	0.0	
26	0	0.00	0.0	
27	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad

Created: 2/10/2023 11:15:03 AM
 Modified: 2/10/2023 11:56:23 AM

Electropherogram Summary Continued ...

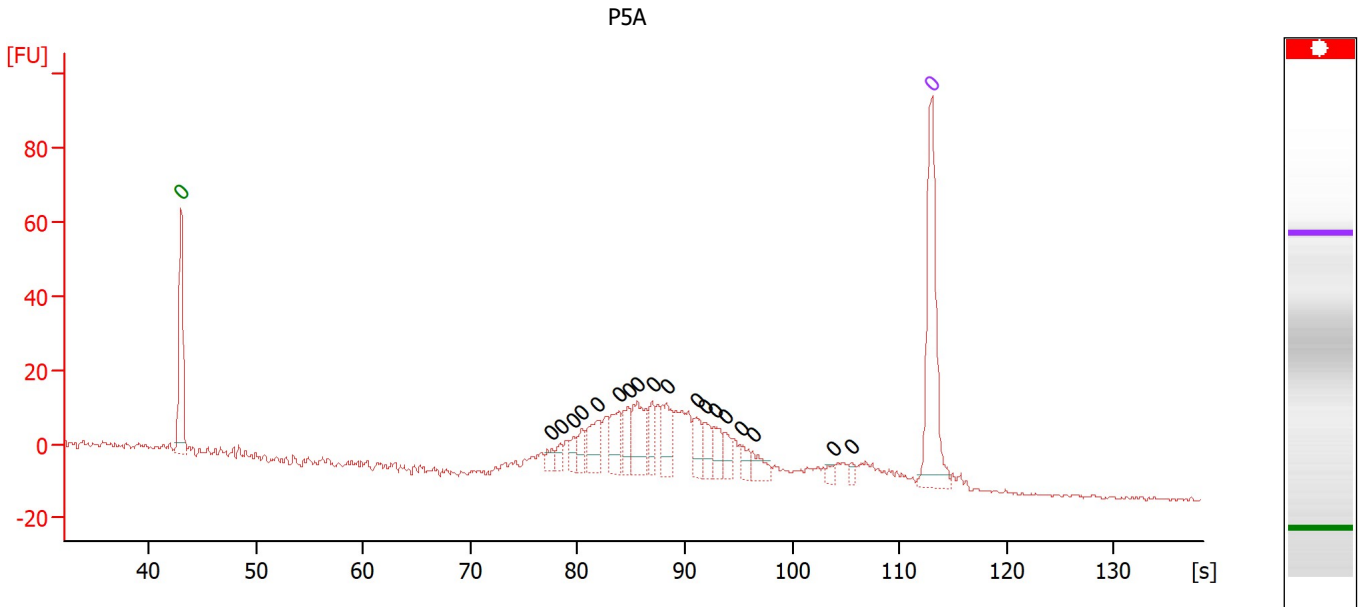
... Peak table for sample 4 : P4A

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
28	0	0.00	0.0	
29	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad

Created: 2/10/2023 11:15:03 AM
 Modified: 2/10/2023 11:56:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : P5A

Number of peaks found: 18 Noise: 0.4

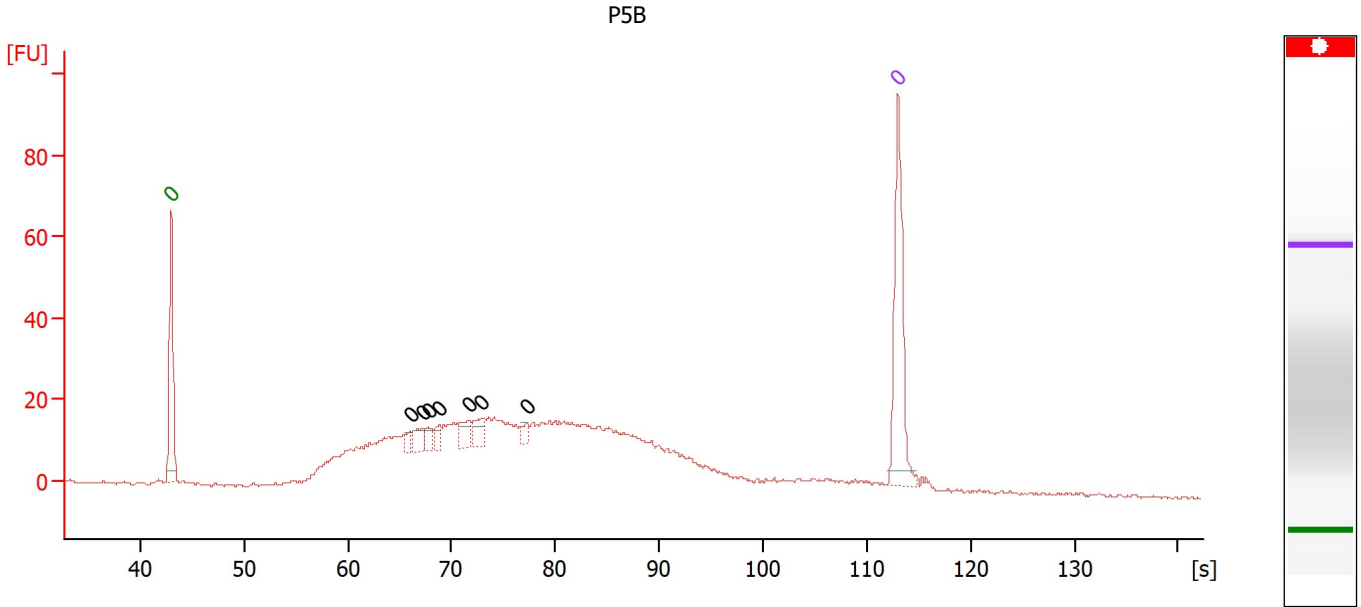
Peak table for sample 5 : P5A

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	
15	0	0.00	0.0	
16	0	0.00	0.0	
17	0	0.00	0.0	
18	0	0.00	0.0	
19	0	0.00	0.0	
20	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad

Created: 2/10/2023 11:15:03 AM
 Modified: 2/10/2023 11:56:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : P5B

Number of peaks found: 7 Noise: 0.3

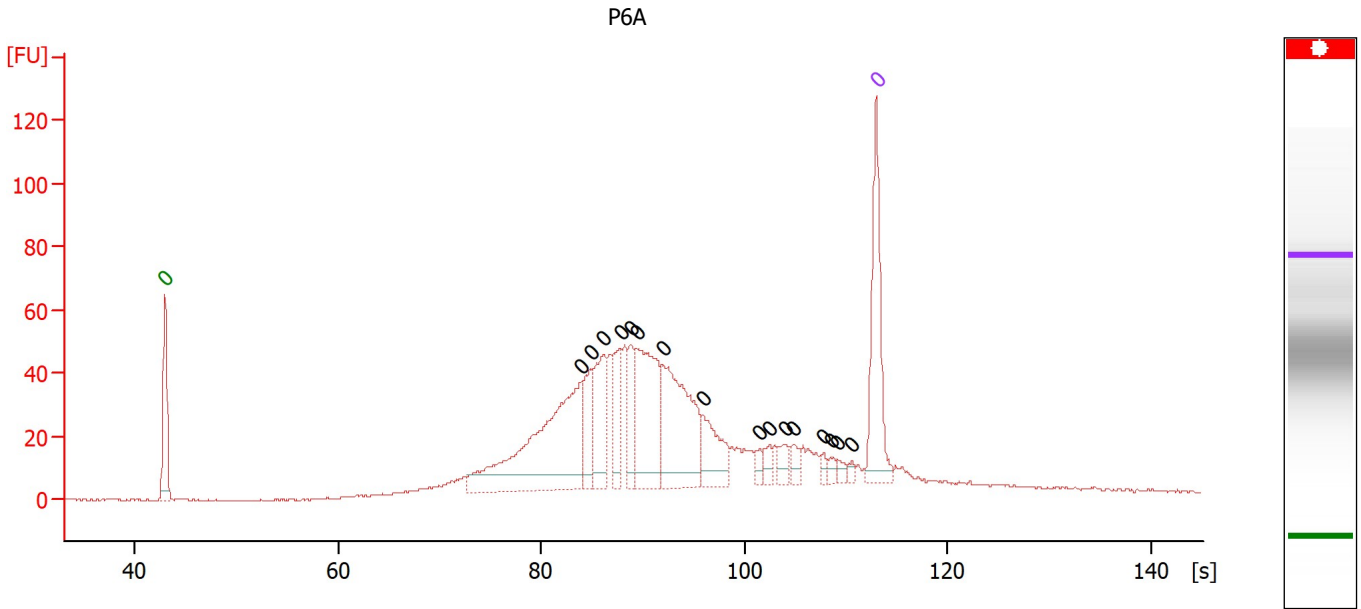
Peak table for sample 6 : P5B

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad

Created: 2/10/2023 11:15:03 AM
 Modified: 2/10/2023 11:56:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : P6A

Number of peaks found: 16 Noise: 0.3

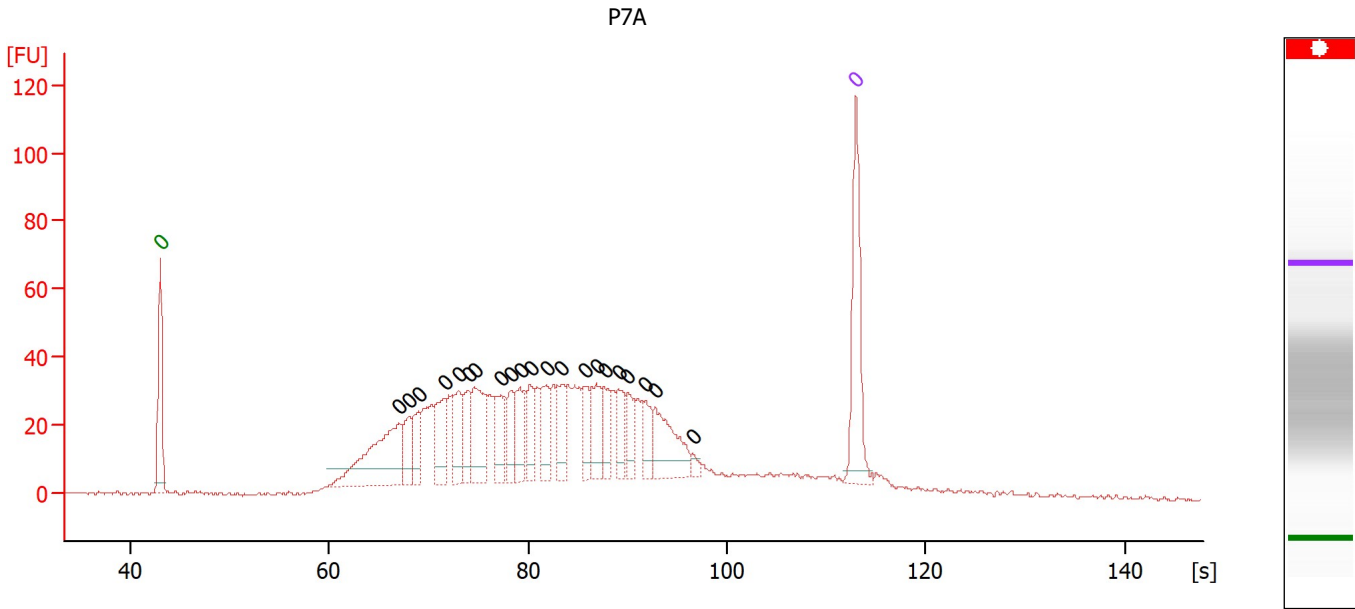
Peak table for sample 7 : P6A

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	
15	0	0.00	0.0	
16	0	0.00	0.0	
17	0	0.00	0.0	
18	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad

Created: 2/10/2023 11:15:03 AM
 Modified: 2/10/2023 11:56:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : P7A

Number of peaks found: 21 Noise: 0.5

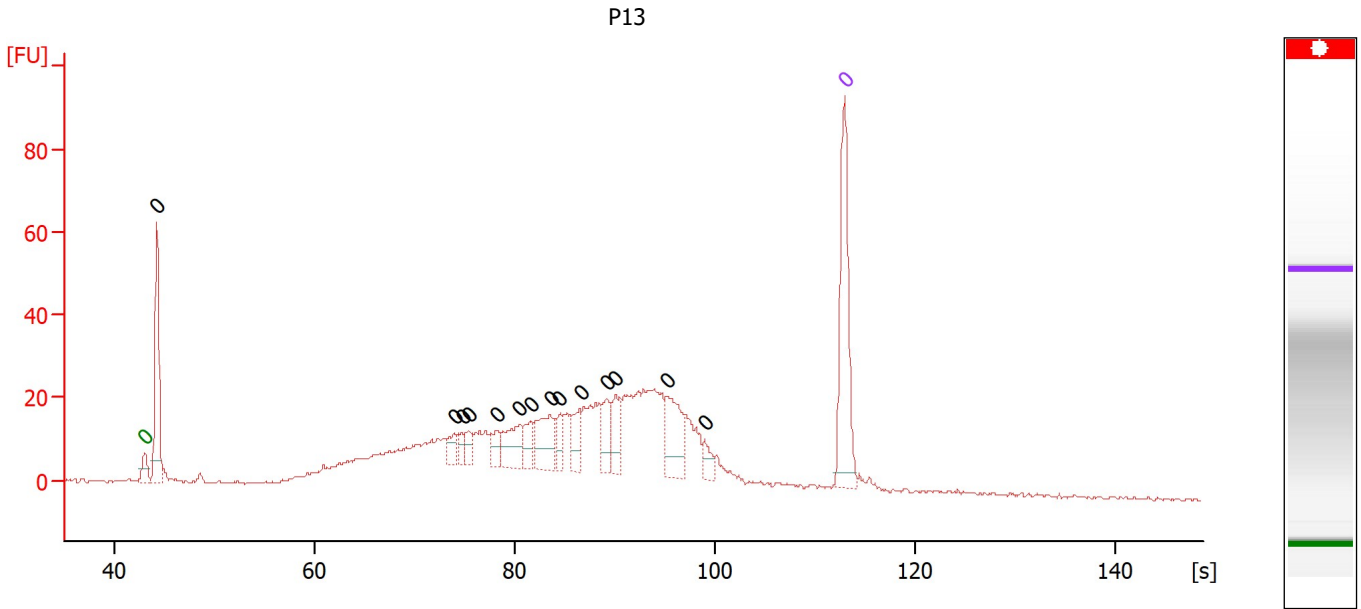
Peak table for sample 8 : P7A

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	
15	0	0.00	0.0	
16	0	0.00	0.0	
17	0	0.00	0.0	
18	0	0.00	0.0	
19	0	0.00	0.0	
20	0	0.00	0.0	
21	0	0.00	0.0	
22	0	0.00	0.0	
23	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad

Created: 2/10/2023 11:15:03 AM
 Modified: 2/10/2023 11:56:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : P13

Number of peaks found: 14 Noise: 0.4

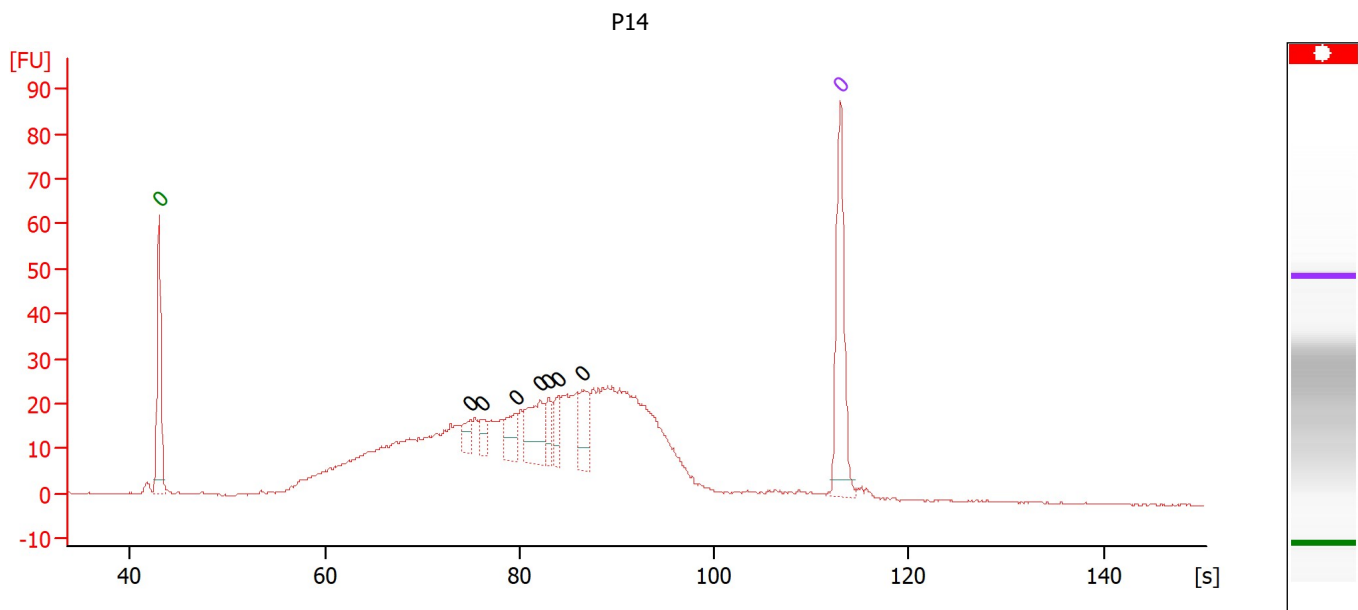
Peak table for sample 9 : P13

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	
15	0	0.00	0.0	
16	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad

Created: 2/10/2023 11:15:03 AM
 Modified: 2/10/2023 11:56:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : P14

Number of peaks found: 7 Noise: 0.2

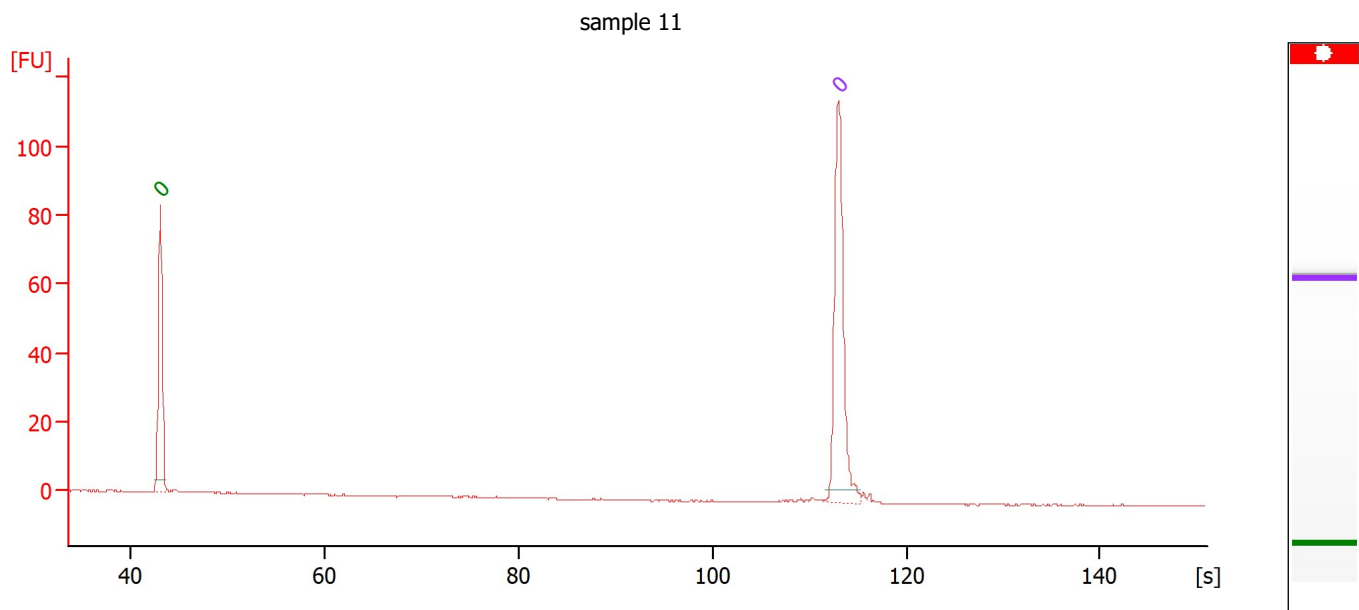
Peak table for sample 10 : P14

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad

Created: 2/10/2023 11:15:03 AM
 Modified: 2/10/2023 11:56:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 0 Noise: 0.1

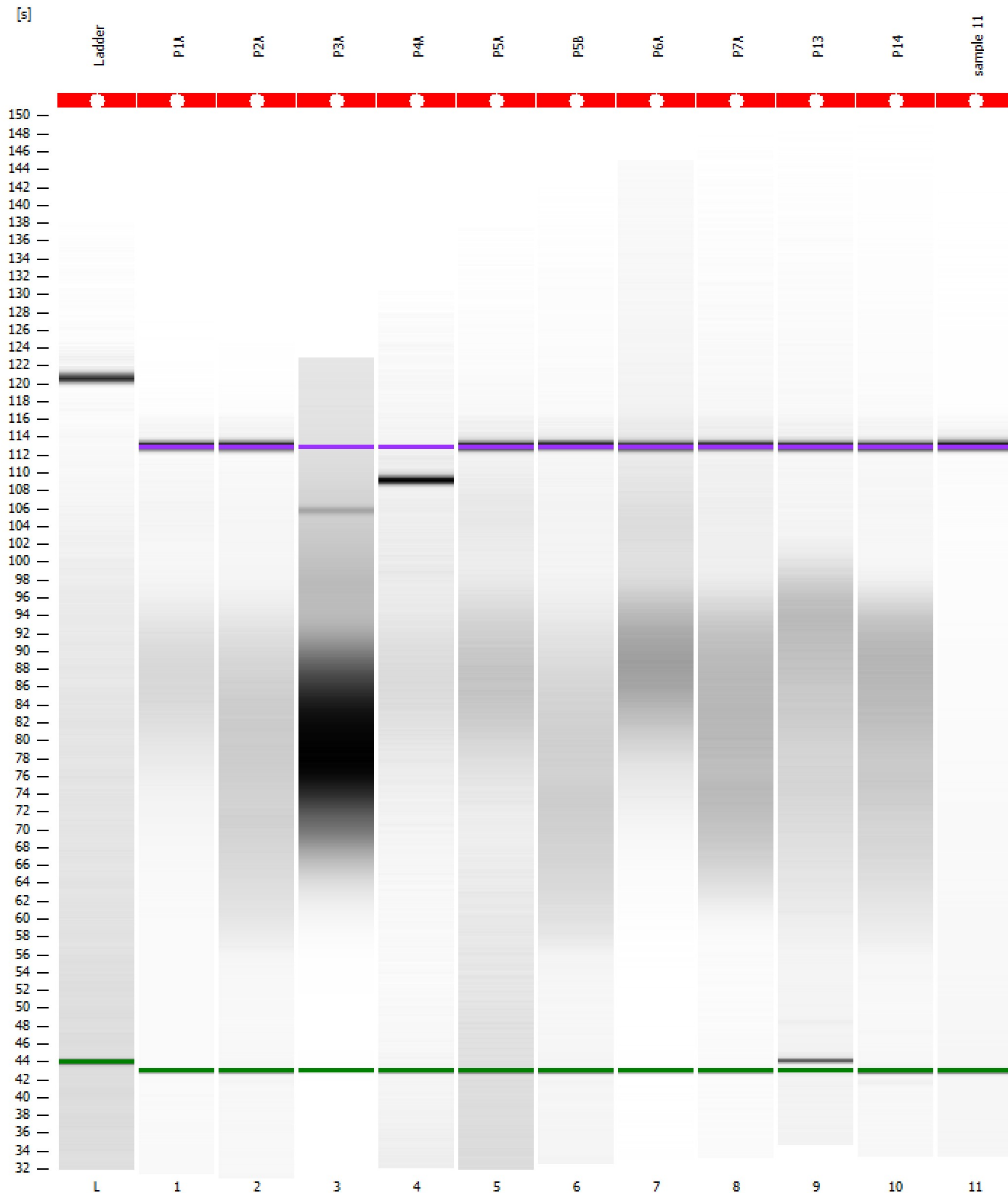
Peak table for sample 11 : sample 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad

Created: 2/10/2023 11:15:03 AM
Modified: 2/10/2023 11:56:23 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad

Created: 2/10/2023 11:15:03 AM
 Modified: 2/10/2023 11:56:23 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		2/10/2023 11:56:21 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-02-10\Bioanalyzer1_High Sensitivity DNA Assay_2023-02-10_001.xad)		Instrument	Run		2/10/2023 11:15:09 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		2/10/2023 11:15:09 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		2/10/2023 11:15:09 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		2/10/2023 11:15:09 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		2/10/2023 11:15:09 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		2/10/2023 11:15:09 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		2/10/2023 11:15:09 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB