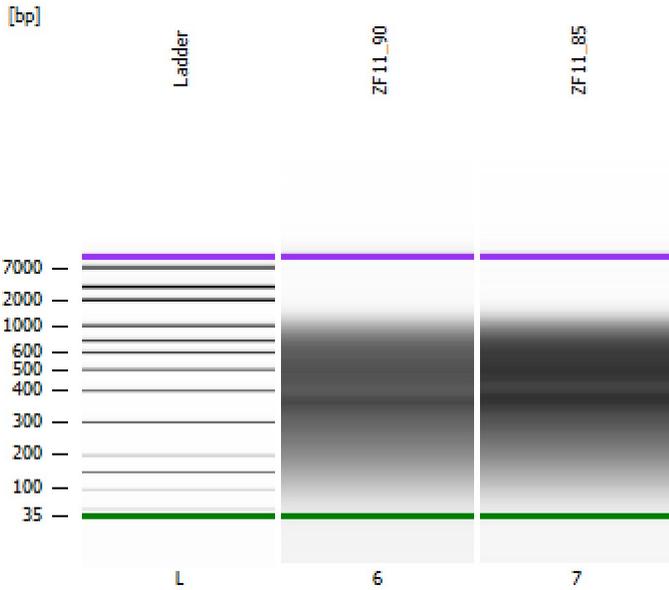


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1622_BioA.xad

Created: 10/4/2023 3:30:10 PM
Modified: 10/4/2023 4:55:17 PM

Electrophoresis File Run Summary



Instrument Information:

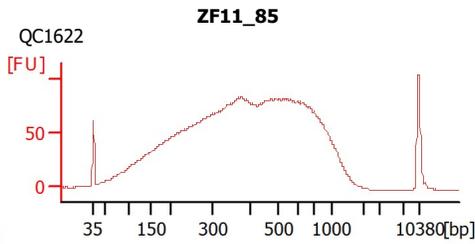
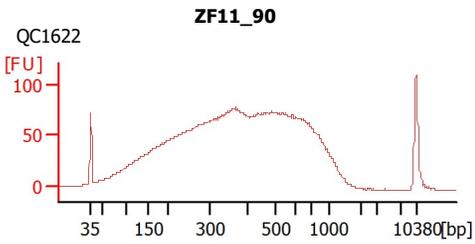
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1622_BioA.xad

Created: 10/4/2023 3:30:10 PM
 Modified: 10/4/2023 4:55:17 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
ZF11_90	QC1622	<input type="checkbox"/>	✓			
ZF11_85	QC1622	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1622_BioA.xad

Created: 10/4/2023 3:30:10 PM
Modified: 10/4/2023 4:55:17 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

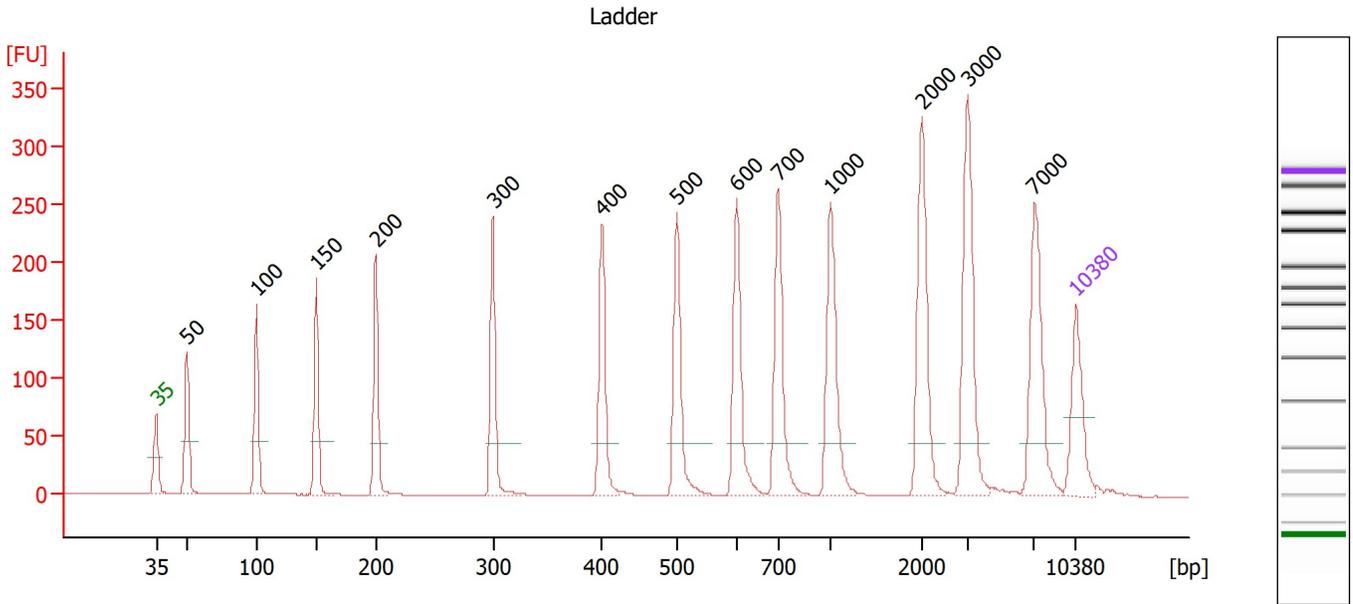
Ladder

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:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1622_BioA.xad

Created: 10/4/2023 3:30:10 PM
 Modified: 10/4/2023 4:55:17 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

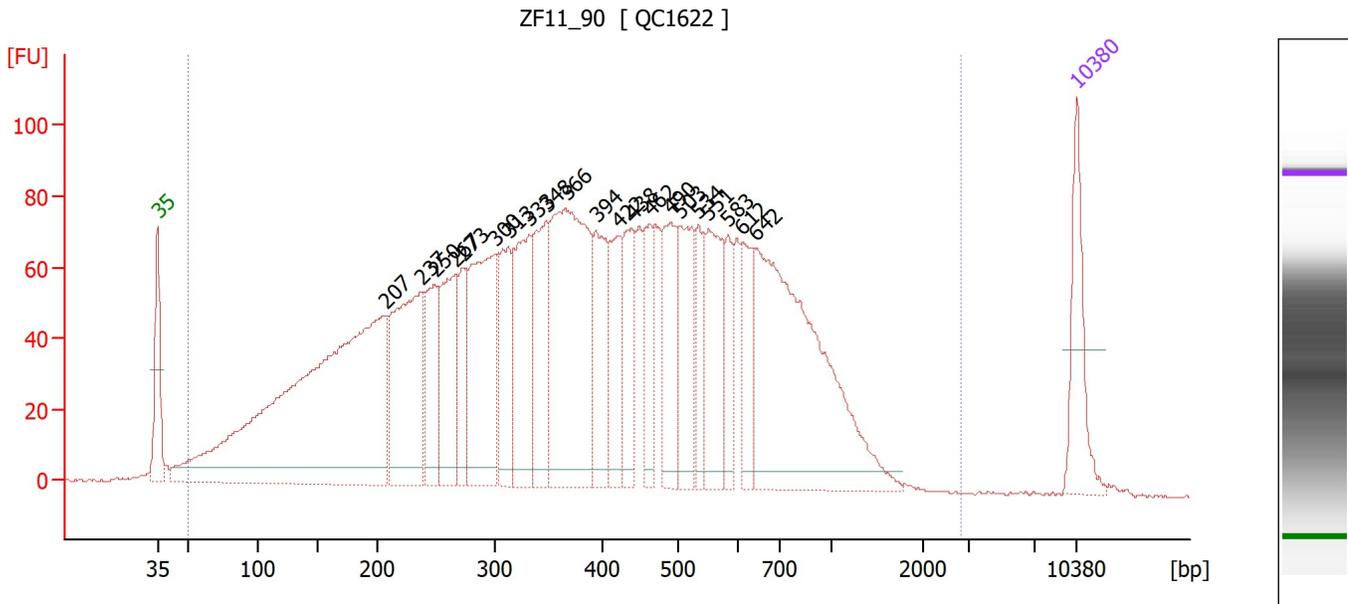
Peak table for Ladder

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	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:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1622_BioA.xad

Created: 10/4/2023 3:30:10 PM
 Modified: 10/4/2023 4:55:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : ZF11_90

Number of peaks found: 21 Corr. Area 1: 3,586.0
 Noise: 0.3

Peak table for sample 6 : ZF11_90

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	207	873.28	6,378.9	
3	237	276.37	1,764.6	
4	250	106.67	647.5	
5	267	145.13	823.1	
6	273	75.07	416.6	
7	300	243.76	1,231.2	
8	313	115.00	556.4	
9	333	159.87	728.2	
10	348	133.72	582.7	
11	366	365.24	1,512.4	
12	394	116.65	448.4	
13	422	88.25	317.1	
14	438	94.65	327.3	
15	462	79.85	261.8	
16	490	113.05	349.9	
17	503	115.61	348.3	
18	534	59.49	168.8	
19	551	122.60	337.0	
20	583	53.28	138.4	
21	612	70.44	174.3	
22	642	434.14	1,024.8	
23	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1622_BioA.xad

Created: 10/4/2023 3:30:10 PM
Modified: 10/4/2023 4:55:17 PM

Electropherogram Summary Continued ...

... Region table for sample 6 :

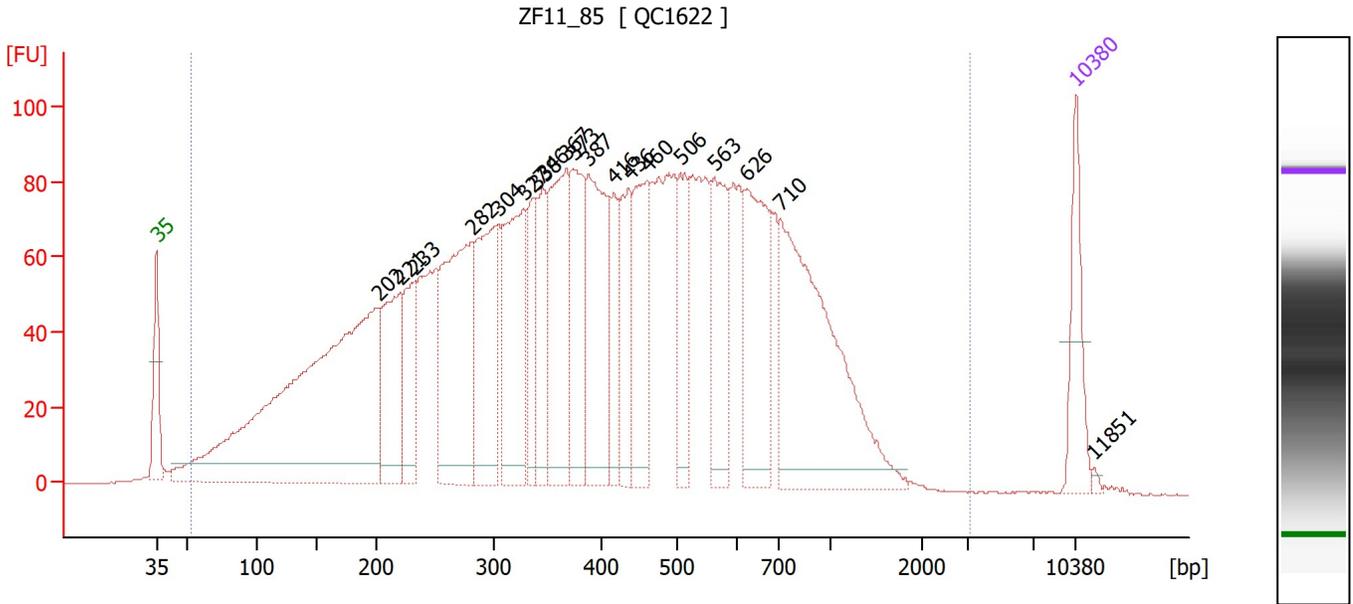
ZF11_90

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
50	2,839	3,586.0	99	431	57.5	4,267.78	25,029.7	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1622_BioA.xad

Created: 10/4/2023 3:30:10 PM
 Modified: 10/4/2023 4:55:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : ZF11_85

Number of peaks found: 19 Corr. Area 1: 3,844.0
 Noise: 0.2

Peak table for sample 7 : ZF11_85

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	202	922.52	6,928.3	
3	221	194.20	1,332.6	
4	233	117.64	765.9	
5	282	352.66	1,897.9	
6	304	238.81	1,190.9	
7	327	240.34	1,112.1	
8	338	94.87	424.9	
9	346	118.19	517.6	
10	367	243.25	1,004.2	
11	373	163.83	664.8	
12	387	234.02	915.2	
13	416	83.39	303.6	
14	436	121.04	420.9	
15	460	161.51	532.0	
16	506	109.16	327.0	
17	563	155.83	419.4	
18	626	203.22	492.1	
19	710	437.19	932.5	
20	10,380	75.00	10.9	Upper Marker
21	11,851	0.00	0.0	

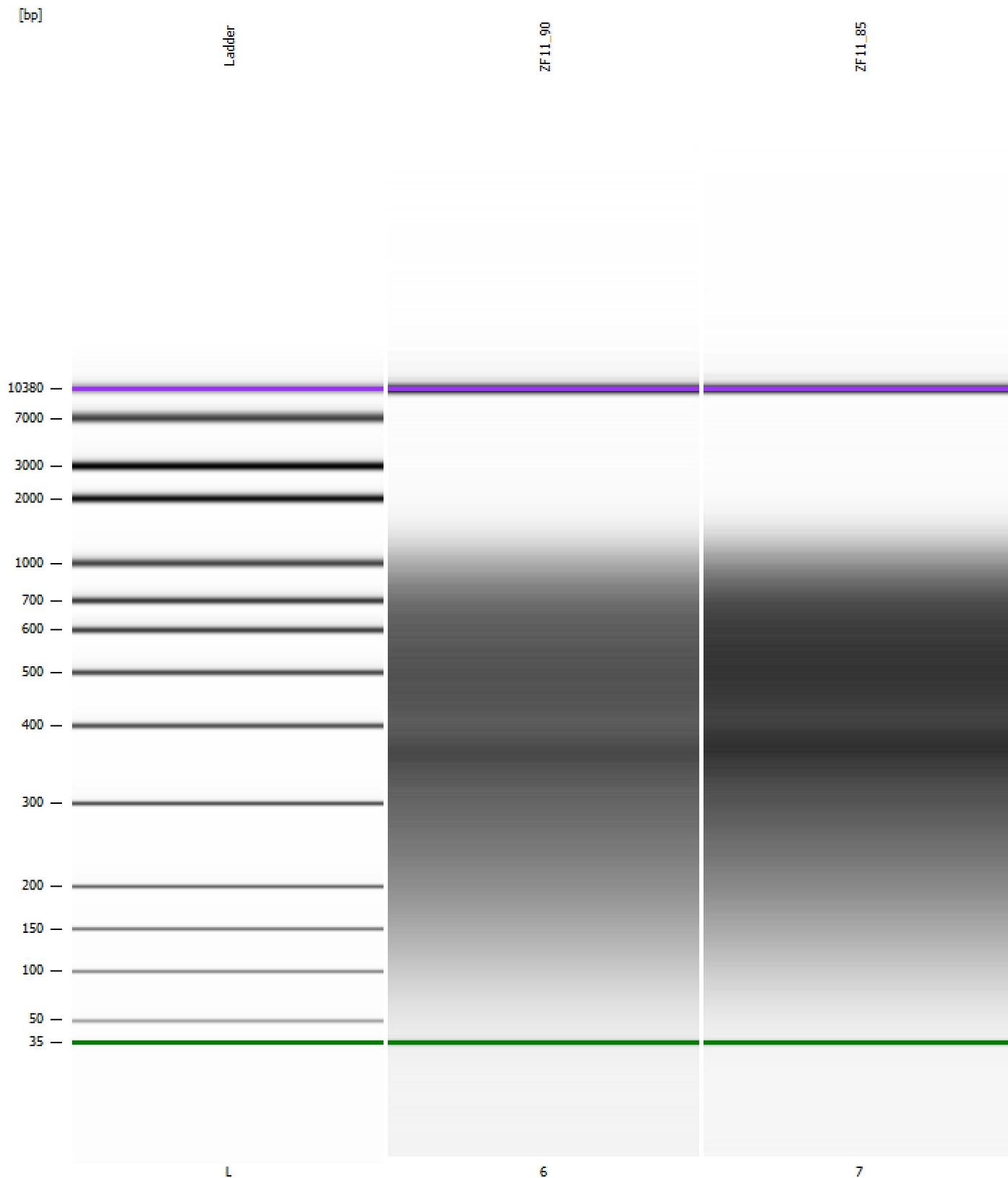
Region table for sample 7 : ZF11_85

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
52	3,103	3,844.0	99	450	58.0	5,309.68	29,697.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1622_BioA.xad

Created: 10/4/2023 3:30:10 PM
Modified: 10/4/2023 4:55:17 PM

Gel Image

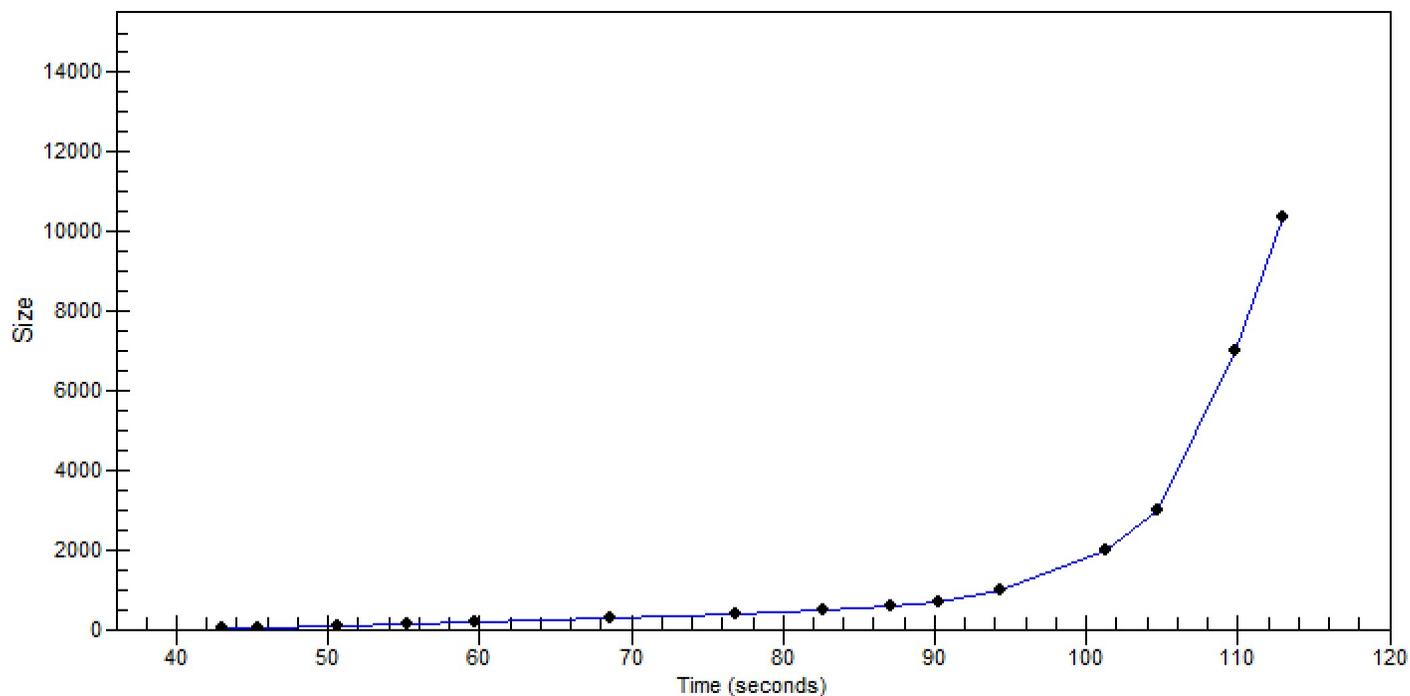


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1622_BioA.xad

Created: 10/4/2023 3:30:10 PM
Modified: 10/4/2023 4:55:17 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1622_BioA.xad

Created: 10/4/2023 3:30:10 PM
 Modified: 10/4/2023 4:55:17 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		10/4/2023 4:11:30 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\2023-10-04\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-10-04_001.xad)		Instrument	Run		10/4/2023 3:30:17 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/4/2023 3:30:17 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/4/2023 3:30:17 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/4/2023 3:30:17 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/4/2023 3:30:17 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/4/2023 3:30:17 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/4/2023 3:30:17 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB