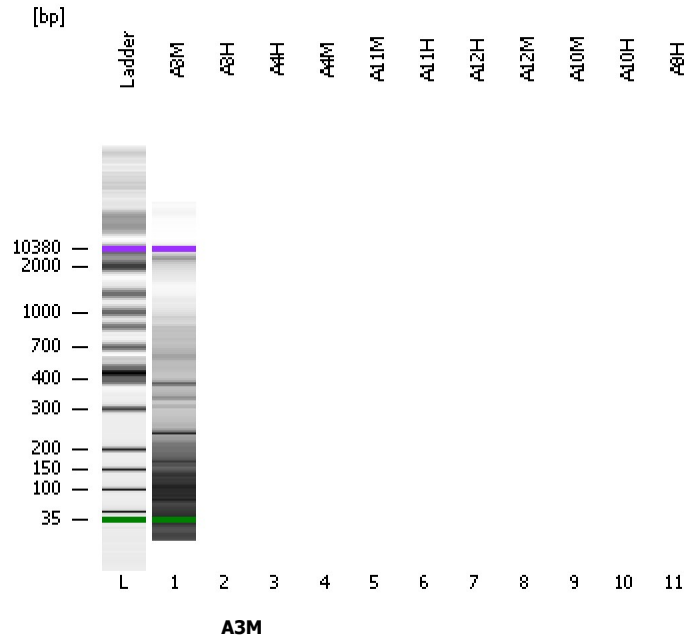


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-15\2019-07-15_001.xad

Created: 7/15/2019 10:52:54 AM
Modified: 7/15/2019 11:05:37 AM

Electrophoresis File Run Summary



Instrument Information:

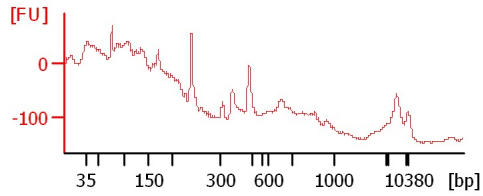
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\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:\... bioanalyzer\2100 expert\data\2019-07-15\2019-07-15_001.xad

Created: 7/15/2019 10:52:54 AM
 Modified: 7/15/2019 11:05:37 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
A3M		<input type="checkbox"/>				
A3H		<input type="checkbox"/>				
A4H		<input type="checkbox"/>				
A4M		<input type="checkbox"/>				
A11M		<input type="checkbox"/>				
A11H		<input type="checkbox"/>				
A12H		<input type="checkbox"/>				
A12M		<input type="checkbox"/>				
A10M		<input type="checkbox"/>				
A10H		<input type="checkbox"/>				
A9H		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-15\2019-07-15_001.xad

Created: 7/15/2019 10:52:54 AM
Modified: 7/15/2019 11:05:37 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

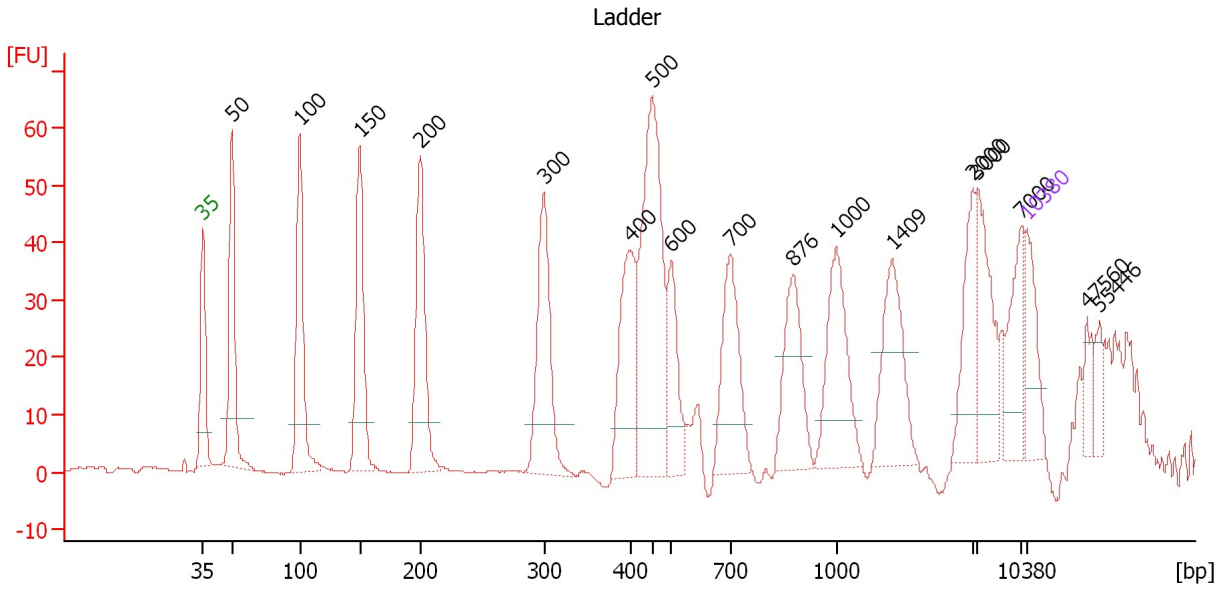
Ladder

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:\... bioanalyzer\2100 expert\data\2019-07-15\2019-07-15_001.xad

Created: 7/15/2019 10:52:54 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

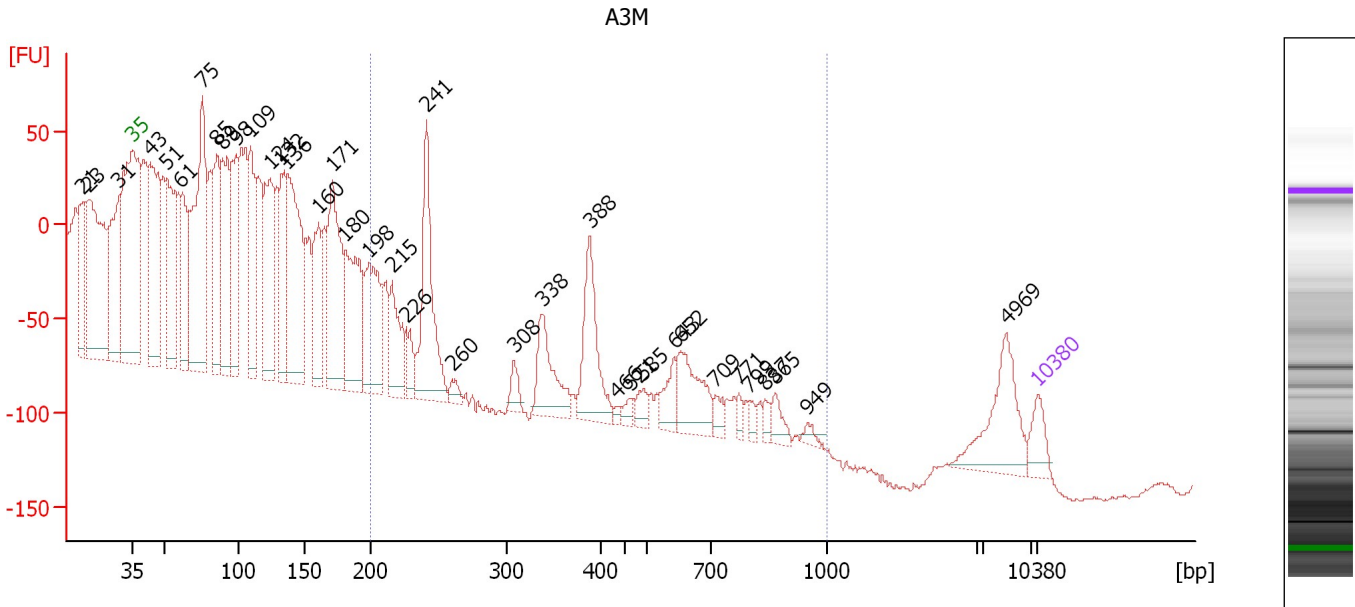
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.42
3	100	150.00	2,272.7	Ladder Peak	51.20
4	150	150.00	1,515.2	Ladder Peak	56.31
5	200	150.00	1,136.4	Ladder Peak	61.47
6	300	150.00	757.6	Ladder Peak	71.94
7	400	150.00	568.2	Ladder Peak	79.26
8	500	150.00	454.5	Ladder Peak	81.17
9	600	150.00	378.8	Ladder Peak	82.77
10	700	150.00	324.7	Ladder Peak	87.83
11	876	0.00	0.0		93.09
12	1,000	150.00	227.3	Ladder Peak	96.80
13	1,409	0.00	0.0		101.55
14	2,000	150.00	113.6	Ladder Peak	108.41
15	3,000	150.00	75.8	Ladder Peak	108.82
16	7,000	150.00	32.5	Ladder Peak	112.54
17	10,380	75.00	10.9	Upper Marker	113.00
18	47,560	0.00	0.0		118.11
19	55,446	0.00	0.0		119.19

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-15\2019-07-15_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : A3M

Number of peaks found: 37 Corr. Area 1: 153.3
 Noise: 1.2

Peak table for sample 1 : A3M

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	21	0.00	0.0		39.12
2	23	0.00	0.0		39.54
3	31	0.00	0.0		41.93
4	35	125.00	5,411.3	Lower Marker	43.00
5	43	914.49	32,293.2		44.28
6	51	644.57	18,965.5		45.60
7	61	551.40	13,747.6		46.67
8	75	1,185.93	23,831.6		48.36
9	85	568.66	10,090.5		49.51
10	89	679.28	11,570.0		49.93
11	98	530.28	8,208.9		50.96
12	109	511.08	7,110.9		52.11
13	124	613.21	7,502.9		53.64
14	132	412.50	4,723.8		54.50
15	136	952.89	10,620.5		54.87
16	160	357.82	3,378.8		57.39
17	171	718.92	6,375.7		58.46
18	180	582.76	4,893.6		59.45
19	198	499.95	3,825.4		61.26
20	215	268.48	1,888.8		63.08
21	226	95.33	638.0		64.23
22	241	593.41	3,737.5		65.71
23	260	44.22	257.8		67.73
24	308	66.27	326.1		72.52
25	338	270.27	1,212.6		74.70

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-15\2019-07-15_001.xad

Created: 7/15/2019 10:52:54 AM
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Electropherogram Summary Continued ...

... Peak table for sample 1 : A3M

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	388	350.90	1,368.9		78.41
27	466	17.47	56.9		80.51
28	521	33.86	98.5		81.50
29	585	51.07	132.2		82.53
30	643	92.52	218.1		84.93
31	652	235.31	546.5		85.42
32	709	47.88	102.3		88.10
33	771	30.32	59.6		89.96
34	799	25.20	47.8		90.78
35	837	30.23	54.7		91.93
36	865	60.06	105.2		92.76
37	949	23.31	37.2		95.27
38	4,969	261.99	79.9		110.65
39	10,380	75.00	10.9	Upper Marker	113.00

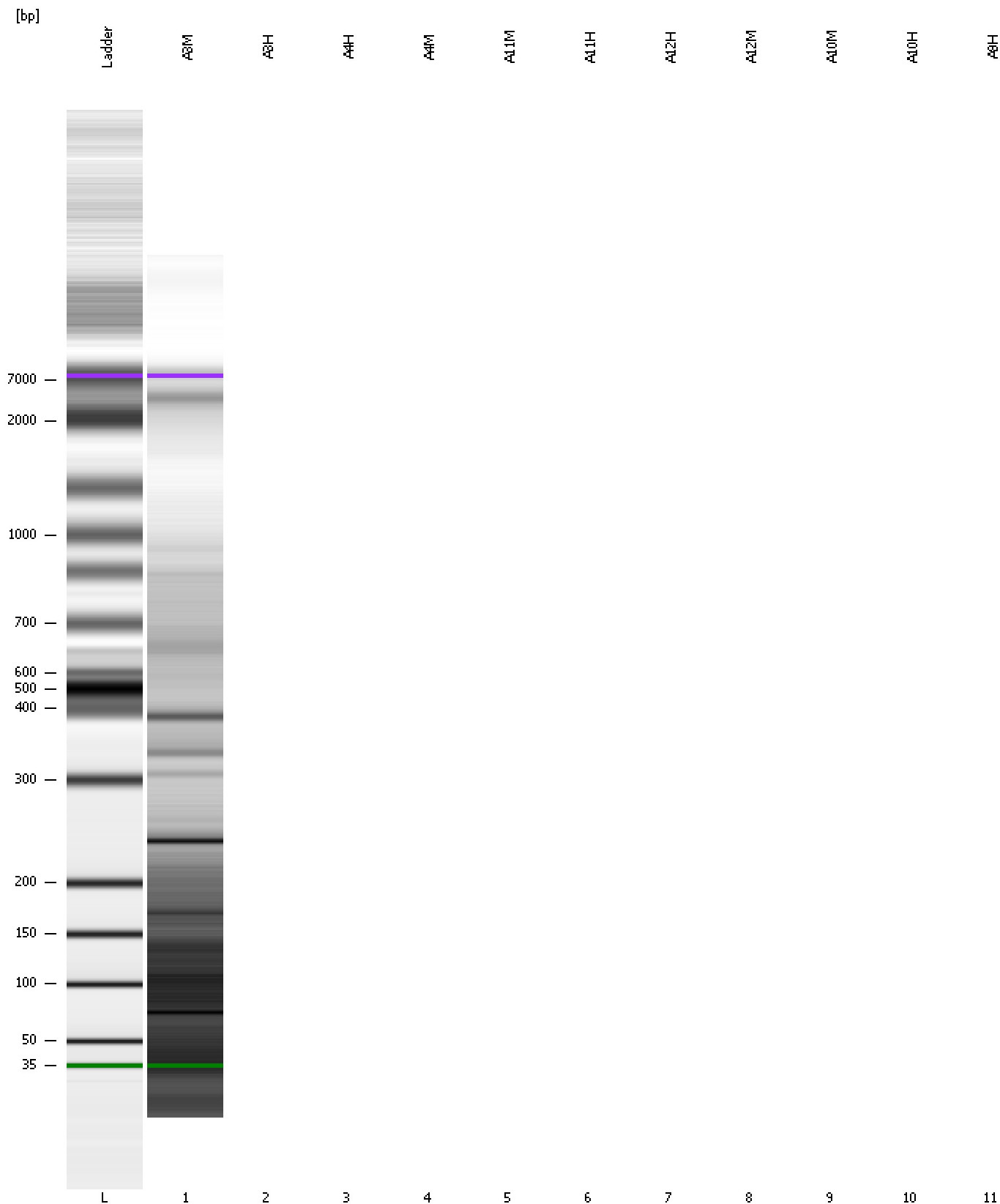
Region table for sample 1 : A3M

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	319	348.44	153.3	1,900.3	9	33.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-15\2019-07-15_001.xad

Created: 7/15/2019 10:52:54 AM
Modified: 7/15/2019 11:05:37 AM

Gel Image

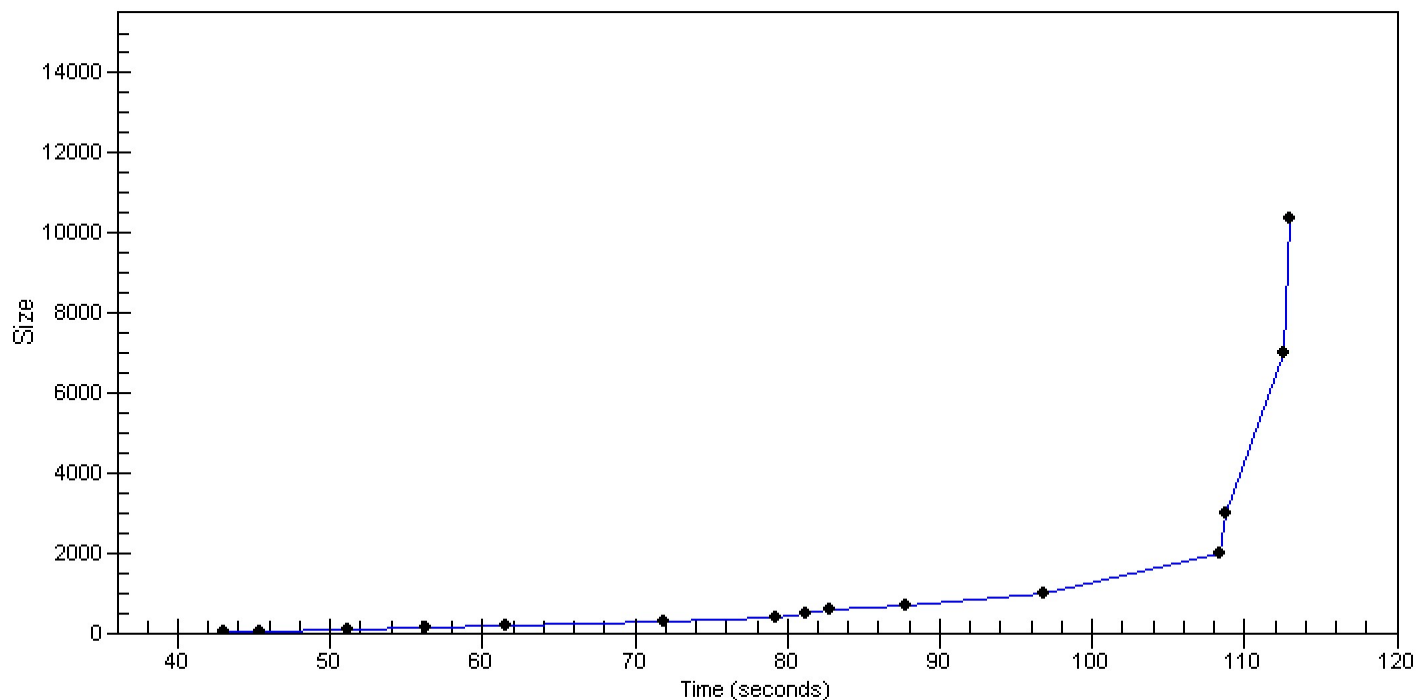


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-15\2019-07-15_001.xad

Created: 7/15/2019 10:52:54 AM
Modified: 7/15/2019 11:05:37 AM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-15\2019-07-15_001.xad

Created: 7/15/2019 10:52:54 AM
Modified: 7/15/2019 11:05:37 AM

Invalid Samples

Sample 2 has not been run, no results available.

Sample 3 has not been run, no results available.

Sample 4 has not been run, no results available.

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-15\2019-07-15_001.xad

Created: 7/15/2019 10:52:54 AM
 Modified: 7/15/2019 11:05:37 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run aborted on port 1		Instrument	Run		7/15/2019 11:06:19 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-07-15\2019-07-15_001.xad)		Instrument	Run		7/15/2019 10:52:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		7/15/2019 10:52:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/15/2019 10:52:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/15/2019 10:52:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		7/15/2019 10:52:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/15/2019 10:52:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/15/2019 10:52:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1