

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-03\2014-12-03_003.xad

Created: 12/3/2014 6:07:29 PM
Modified: 12/3/2014 6:33:34 PM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

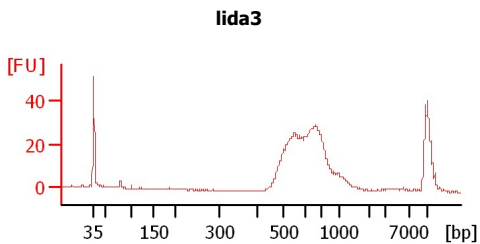
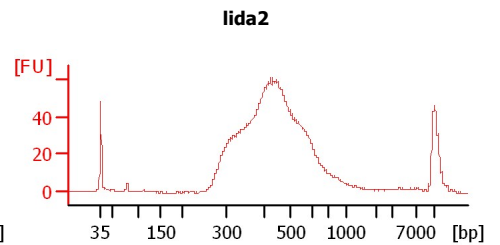
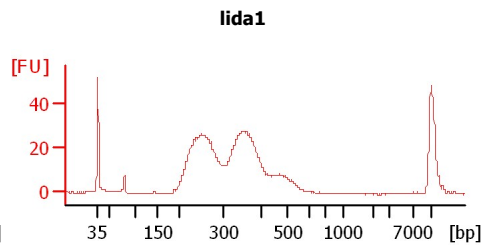
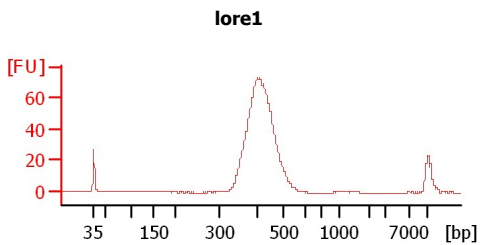
Assay Information:

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
lore1		<input type="checkbox"/>	✓			
lida1		<input type="checkbox"/>	✓			
lida2		<input type="checkbox"/>	✓			
lida3		<input type="checkbox"/>	✓			
sample 5		<input type="checkbox"/>				
sample 6		<input type="checkbox"/>				
sample 7		<input type="checkbox"/>				
sample 8		<input type="checkbox"/>				
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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

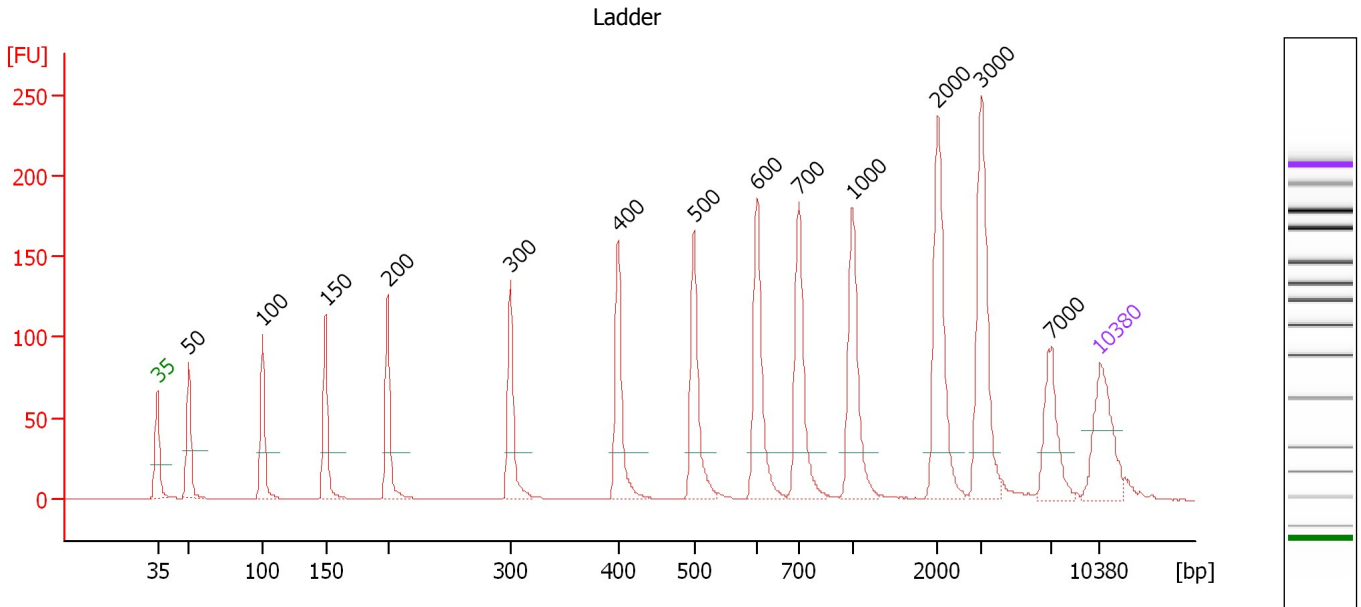
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

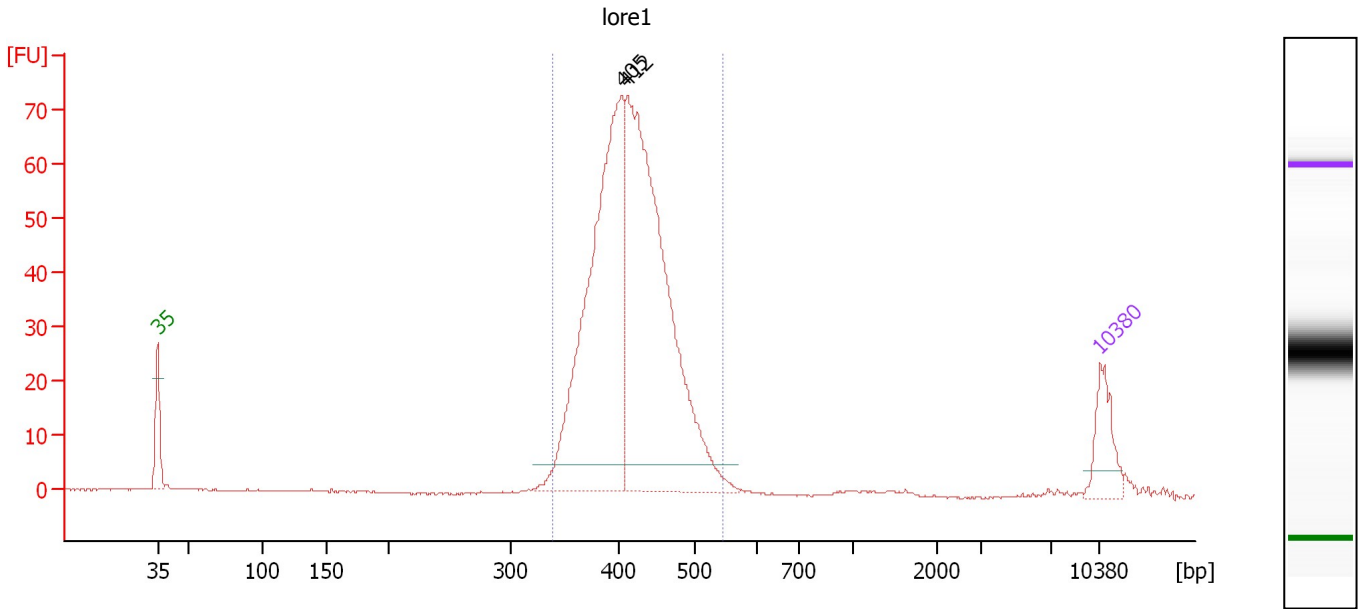
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
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

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Electropherogram Summary Continued ...



Overall Results for sample 1 : lore1

Number of peaks found: 2 Corr. Area 1: 629.6
 Noise: 0.1

Peak table for sample 1 : lore1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	405	916.09	3,423.4	
3	412	1,081.09	3,977.7	
4	10,380	75.00	10.9	Upper Marker

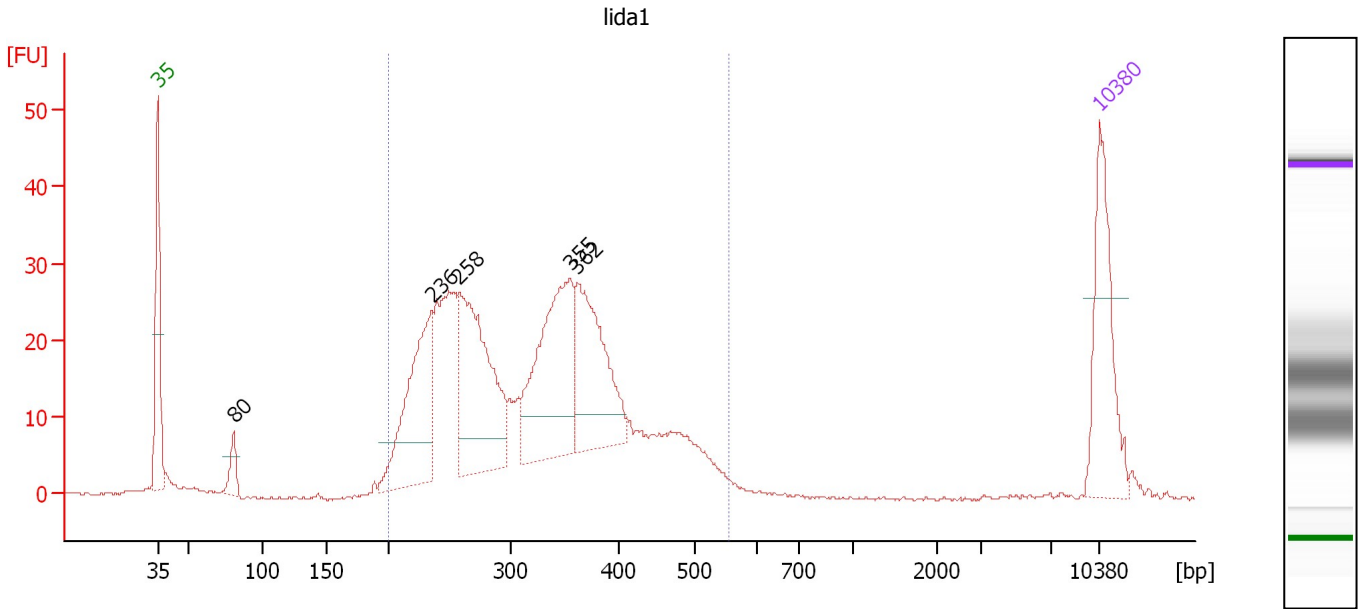
Region table for sample 1 : lore1

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
339	419	545	629.6	96	9.6	2,021.11	7,382.2	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 2 : lida1

Number of peaks found: 5 Corr. Area 1: 597.4
 Noise: 0.2

Peak table for sample 2 : lida1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	80	22.03	415.6	
3	236	153.77	987.1	
4	258	186.83	1,095.6	
5	355	166.97	711.7	
6	362	128.23	536.4	
7	10,380	75.00	10.9	Upper Marker

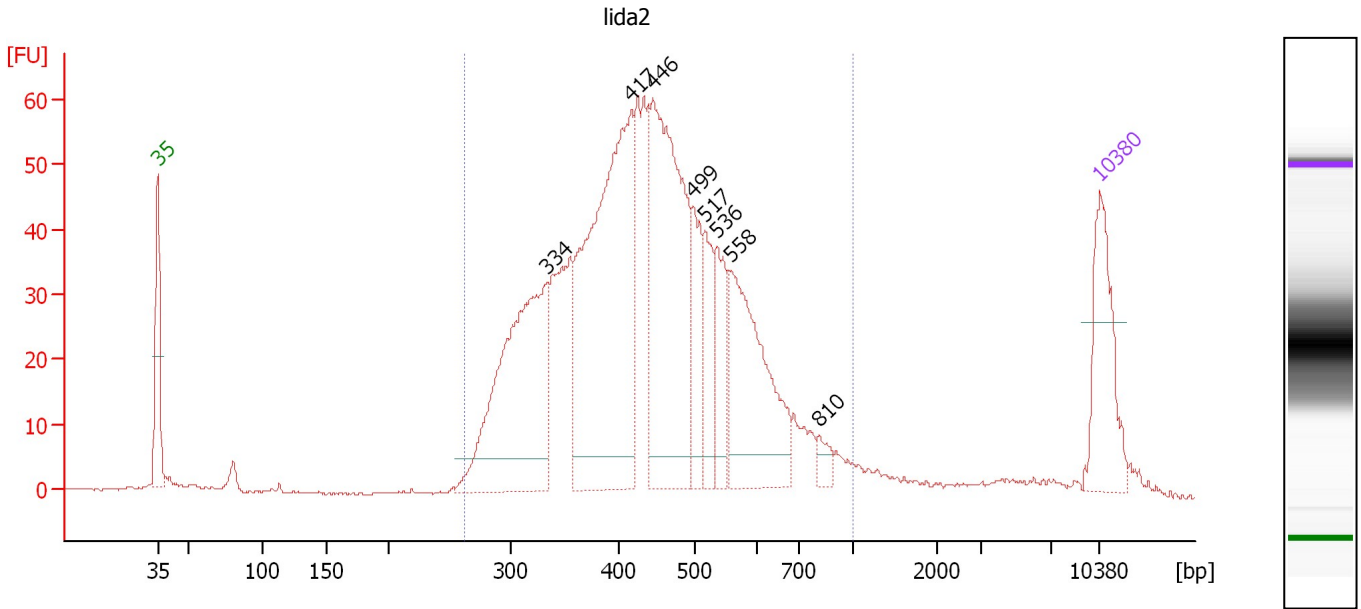
Region table for sample 2 : lida1

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
201	326	555	597.4	94	24.1	1,080.73	5,436.2	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 3 : lida2

Number of peaks found: 8 Corr. Area 1: 1,167.8
 Noise: 0.2

Peak table for sample 3 : lida2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	334	299.07	1,357.5	
3	417	424.82	1,542.0	
4	446	334.24	1,135.9	
5	499	64.60	196.0	
6	517	57.72	169.2	
7	536	61.11	172.8	
8	558	182.44	495.2	
9	810	13.20	24.7	
10	10,380	75.00	10.9	Upper Marker

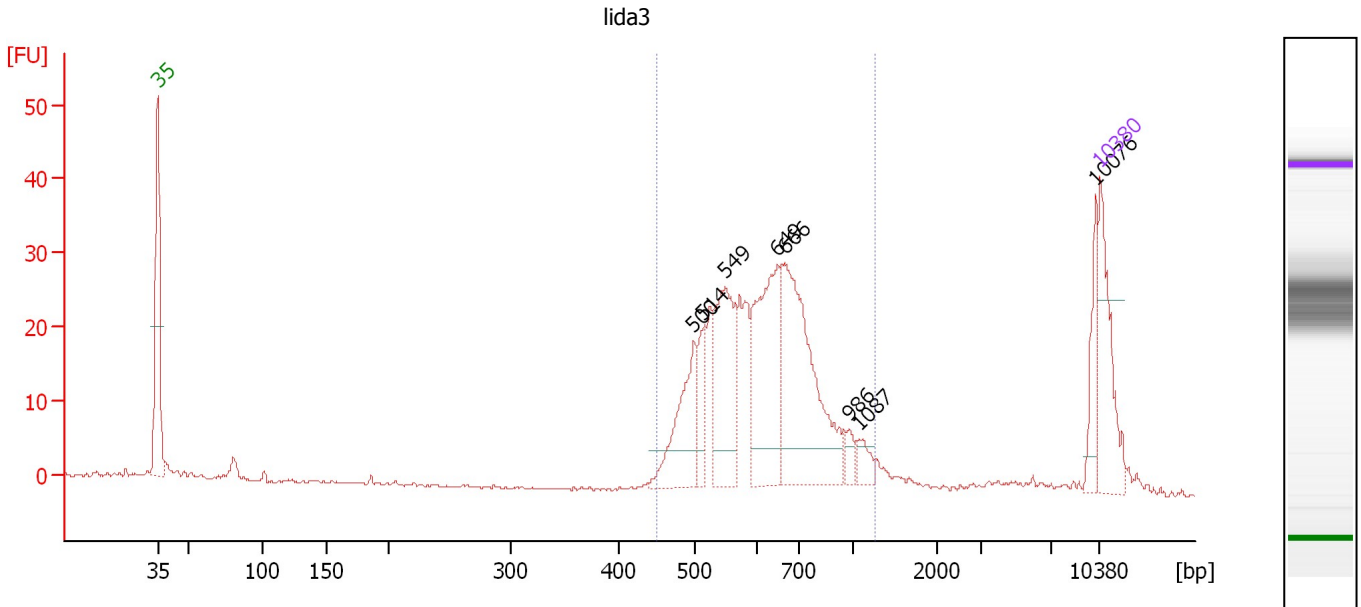
Region table for sample 3 : lida2

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
263	452	1,000	1,167.8	95	26.2	1,803.44	6,567.3	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 4 : lida3

Number of peaks found: 8
 Noise: 0.2
 Corr. Area 1: 338.9

Peak table for sample 4 : lida3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	500	103.82	314.8	
3	514	41.34	122.0	
4	549	132.02	364.2	
5	649	175.86	410.3	
6	666	233.35	531.2	
7	986	14.12	21.7	
8	1,087	16.84	23.5	
9	10,076	40.31	6.1	
10	10,380	75.00	10.9	Upper Marker

Region table for sample 4 : lida3

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
451	643	1,273	338.9	85	22.5	858.53	2,126.6	Blue

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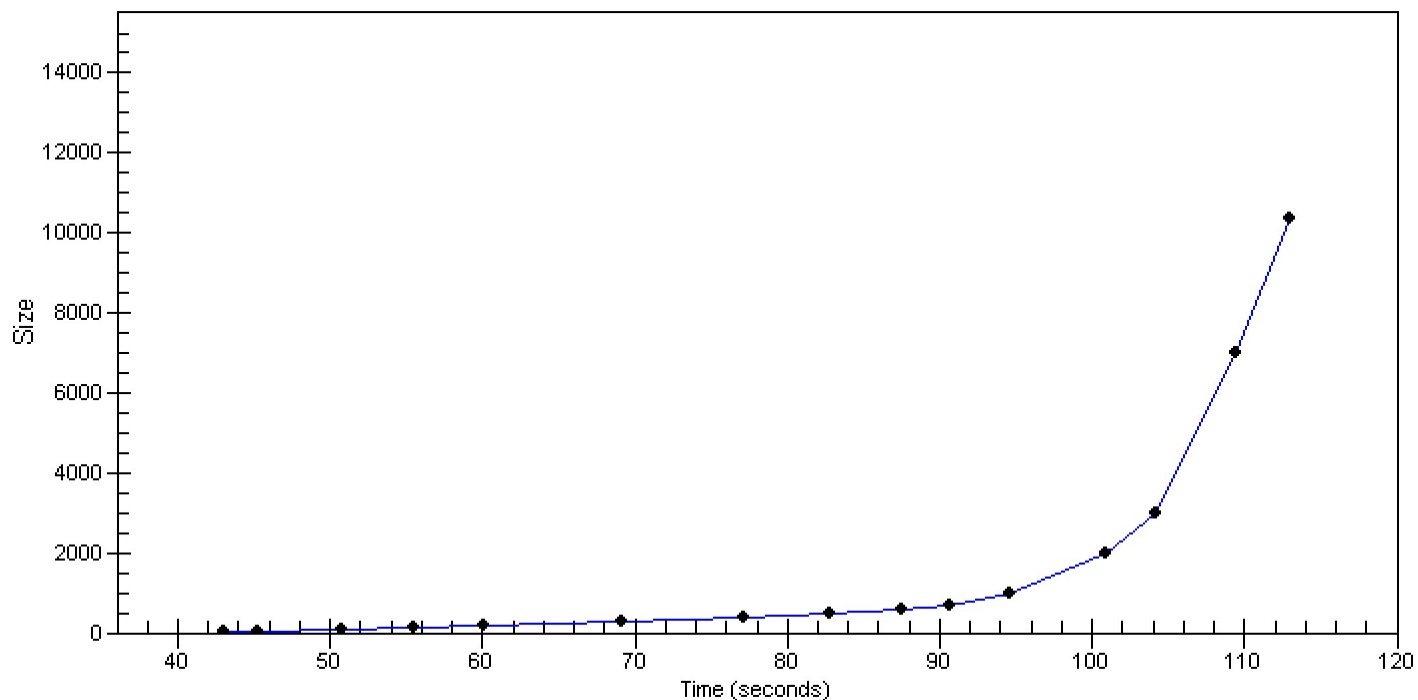
Gel Image

Assay Class: High Sensitivity DNA Assay
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Curves

Standard Curve



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Invalid Samples

- 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.

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Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 5)		Instrument	Run		12/3/2014 6:28:48 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-12-03\2014-12-03_003.xad)		Instrument	Run		12/3/2014 6:07:35 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		12/3/2014 6:07:35 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		12/3/2014 6:07:35 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		12/3/2014 6:07:35 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		12/3/2014 6:07:35 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		12/3/2014 6:07:35 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		12/3/2014 6:07:35 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1