

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21_003.xad

Created: 7/21/2017 3:18:37 PM
Modified: 7/21/2017 3:42:48 PM

Electrophoresis File Run Summary

Instrument Information:

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

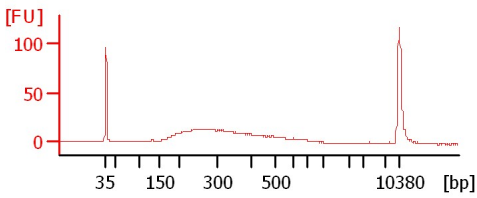
Assay Information:

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

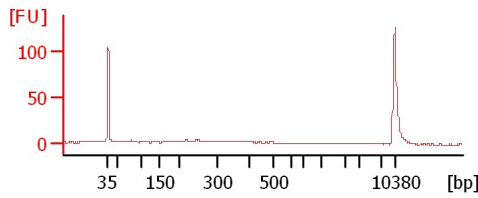
Chip Information:

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

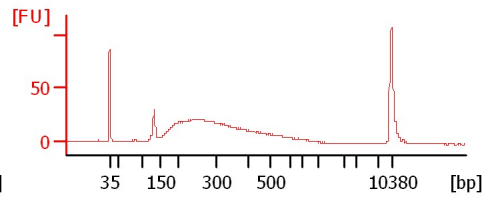
JLYZ0006



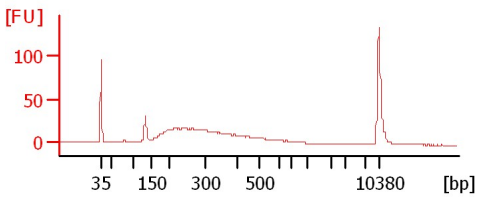
JLYZ0007



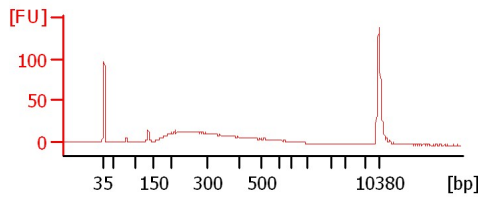
JLYZ0008



JLYZ0009



JLYZ0010



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
JLYZ0006		<input type="checkbox"/>	✓			
JLYZ0007		<input type="checkbox"/>	✓			
JLYZ0008		<input type="checkbox"/>	✓			
JLYZ0009		<input type="checkbox"/>	✓			
JLYZ0010		<input type="checkbox"/>	✓			
		<input type="checkbox"/>				
		<input type="checkbox"/>				
		<input type="checkbox"/>				
		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

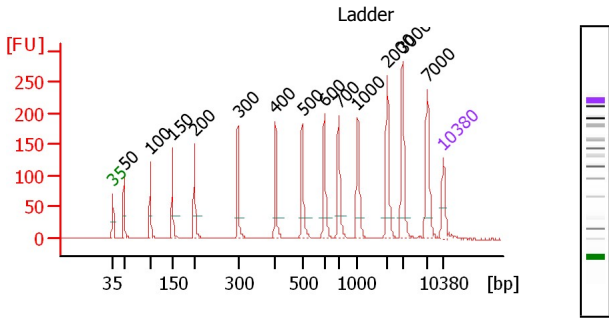
Chip Lot # **Reagent Kit Lot #**

Chip Comments :

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Electropherogram Summary



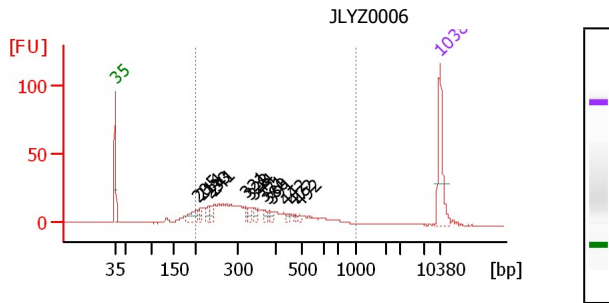
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.39
3	100	150.00	2,272.7	Ladder Peak	50.92
4	150	150.00	1,515.2	Ladder Peak	55.65
5	200	150.00	1,136.4	Ladder Peak	60.30
6	300	150.00	757.6	Ladder Peak	69.50
7	400	150.00	568.2	Ladder Peak	77.47
8	500	150.00	454.5	Ladder Peak	83.13
9	600	150.00	378.8	Ladder Peak	87.78
10	700	150.00	324.7	Ladder Peak	90.83
11	1,000	150.00	227.3	Ladder Peak	94.86
12	2,000	150.00	113.6	Ladder Peak	101.14
13	3,000	150.00	75.8	Ladder Peak	104.37

Overall Results for Ladder

Noise: 0.2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
14	7,000	150.00	32.5	Ladder Peak	109.64
15	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 1 : JLYZ0006

Number of peaks found: 13
 Noise: 0.2
 Corr. Area 1: 414.5

Region table for sample 1 : JLYZ0006

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total in CV	Size distribution [%]
200	1,000	364	414.5	1,974.2	405.56	83	37.6

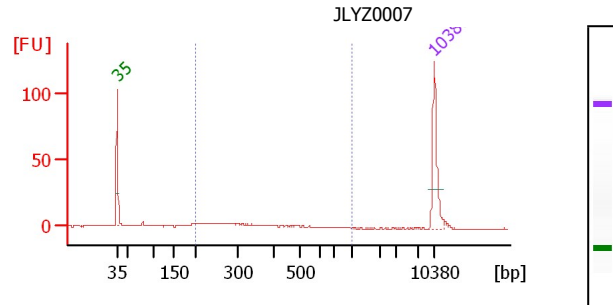
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Electropherogram Summary Continued ...

Peak table for sample 1 : JLYZ0006

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	205	37.59	277.2		60.80
3	214	11.70	83.0		61.57
4	233	19.06	123.8		63.37
5	241	16.58	104.4		64.04
6	321	9.23	43.6		71.19
7	328	10.07	46.4		71.77
8	344	9.17	40.4		72.99
9	371	9.52	38.8		75.19
10	380	6.05	24.1		75.86
11	391	8.94	34.7		76.72
12	442	7.20	24.7		79.82
13	472	3.79	12.2		81.53
14	492	3.57	11.0		82.65
15	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 2 : JLYZ0007

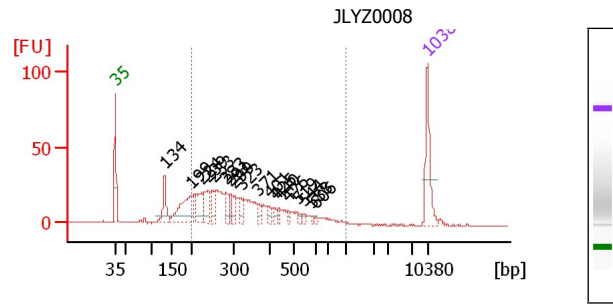
Number of peaks found: 0
 Noise: 0.3
 Corr. Area 1: 78.6

Region table for sample 2 : JLYZ0007

From [bp]	To [bp]	Average Size [bp]	Corrected Area	Molarity [pmol/l]	Concentration [pg/μl]	% of Total	Size distribution CV [%]
200	1,000	355	78.6	371.8	74.43	58	38.6

Peak table for sample 2 : JLYZ0007

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 3 : JLYZ0008

Number of peaks found: 18
 Noise: 0.3
 Corr. Area 1: 600.6

Region table for sample 3 : JLYZ0008

From [bp]	To [bp]	Average Size [bp]	Corrected Area	Molarity [pmol/l]	Concentration [pg/μl]	% of Total	Size distribution CV [%]
200	1,000	352	600.6	3,125.7	623.10	77	38.0

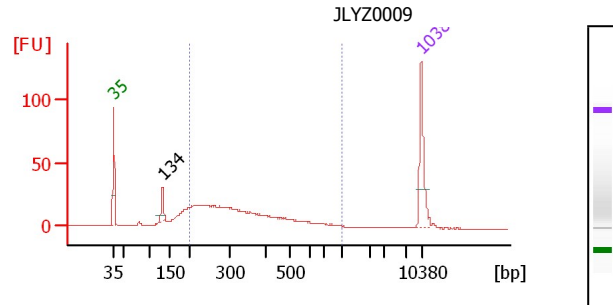
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Electropherogram Summary Continued ...

Peak table for sample 3 : JLYZ0008

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	134	65.70	745.4		54.10
3	199	124.95	950.2		60.23
4	224	60.34	408.7		62.48
5	239	51.06	323.1		63.93
6	253	35.45	212.6		65.15
7	283	25.57	136.8		67.96
8	291	18.32	95.4		68.66
9	299	24.93	126.4		69.41
10	323	15.07	70.7		71.33
11	371	13.02	53.2		75.12
12	401	11.04	41.7		77.51
13	425	9.28	33.1		78.87
14	440	7.18	24.7		79.71
15	476	6.43	20.5		81.77
16	519	6.93	20.2		84.02
17	544	7.89	22.0		85.19
18	588	3.09	8.0		87.20
19	606	2.91	7.3		87.95
20	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 4 : JLYZ0009

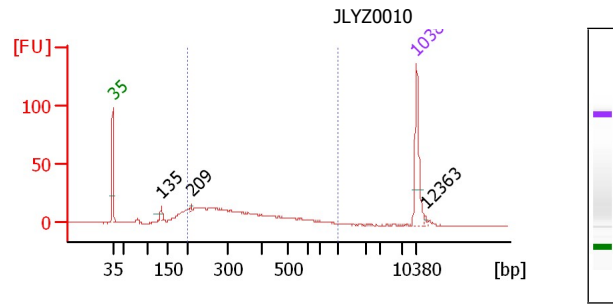
Number of peaks found: 1
 Noise: 0.2
 Corr. Area 1: 473.8

Region table for sample 4 : JLYZ0009

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	352	473.8	2,196.2	436.59	75	38.6

Peak table for sample 4 : JLYZ0009

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	134	40.55	459.0		54.13
3	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 5 : JLYZ0010

Number of peaks found: 3
 Noise: 0.3
 Corr. Area 1: 385.8

Region table for sample 5 : JLYZ0010

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	359	385.8	1,680.8	338.20	79	39.0

Peak table for sample 5 : JLYZ0010

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	135	15.86	177.7		54.26
3	209	3.39	24.5		61.14
4	10,380	75.00	10.9	Upper Marker	113.00

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Gel Image

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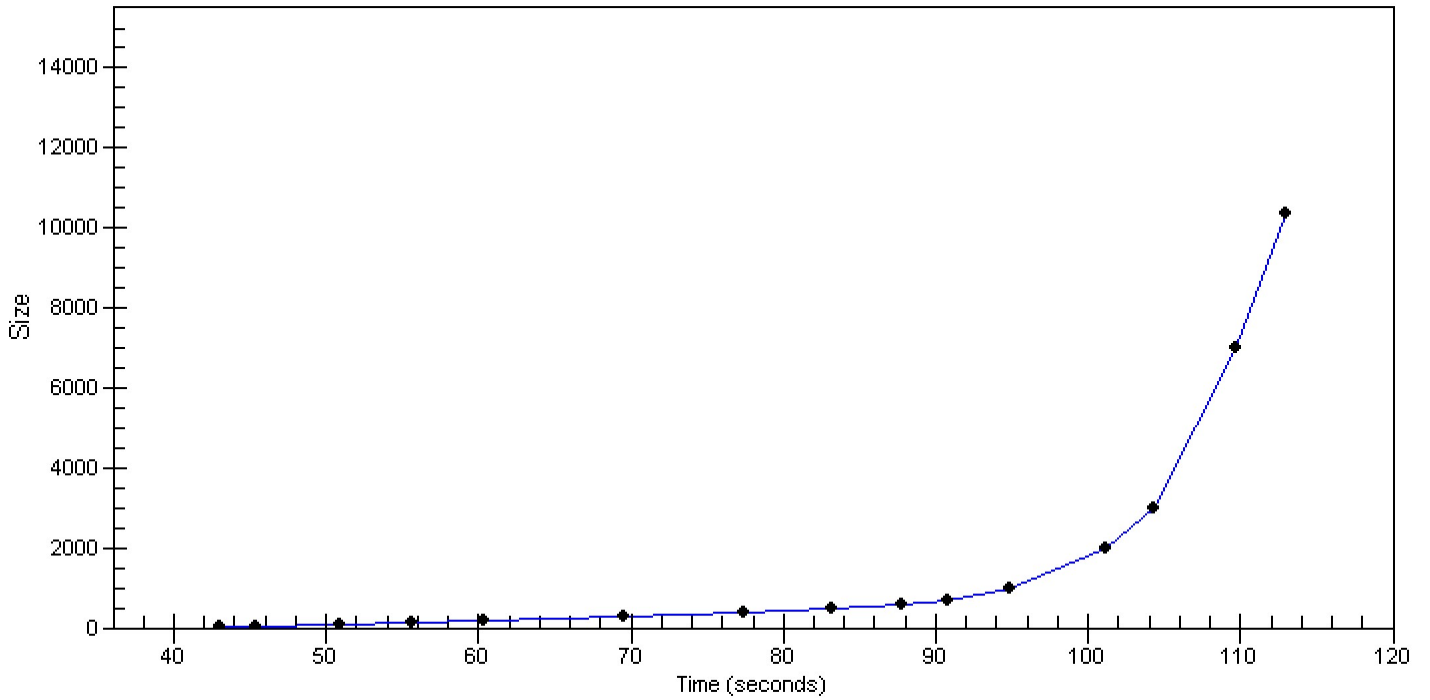
Curves

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Invalid Samples

Standard Curve



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Invalid Samples

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.