

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-28\2017-06-28_005.xad

Created: 6/28/2017 4:33:07 PM
Modified: 6/28/2017 4:56:55 PM

Electrophoresis File Run Summary

Instrument Information:

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

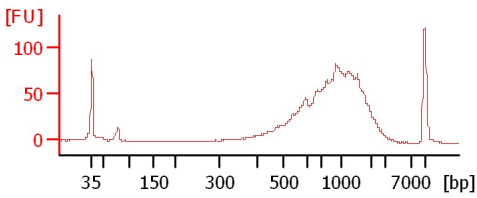
Assay Information:

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

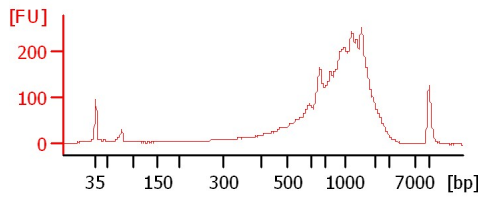
Chip Information:

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

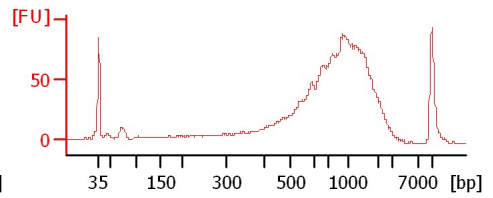
#1 17cycles



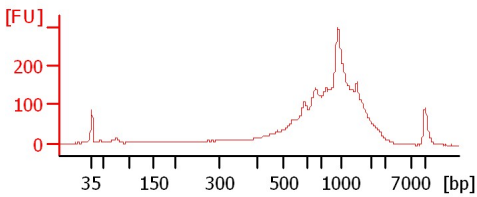
#1 18cycles



#2 16cycles



#2 17cycles



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
#1 17cycles		<input type="checkbox"/>	✓			
#1 18cycles		<input type="checkbox"/>	✓			
#2 16cycles		<input type="checkbox"/>	✓			
#2 17cycles		<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 #

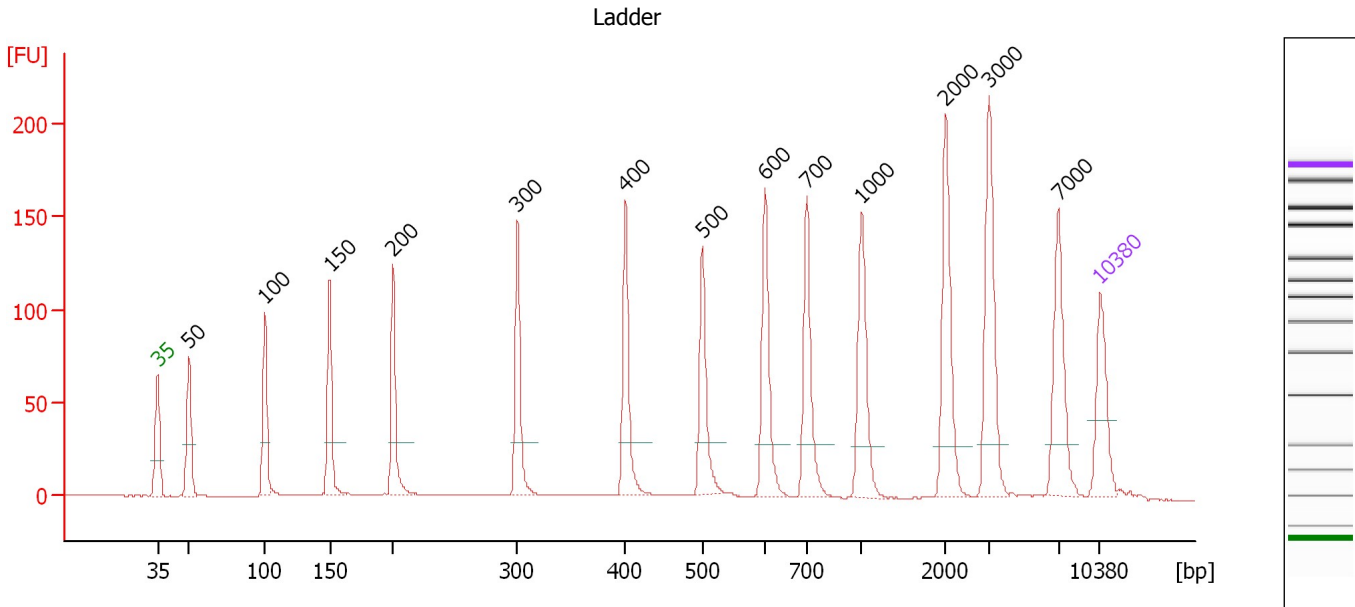
Reagent Kit Lot #

Chip Comments :

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

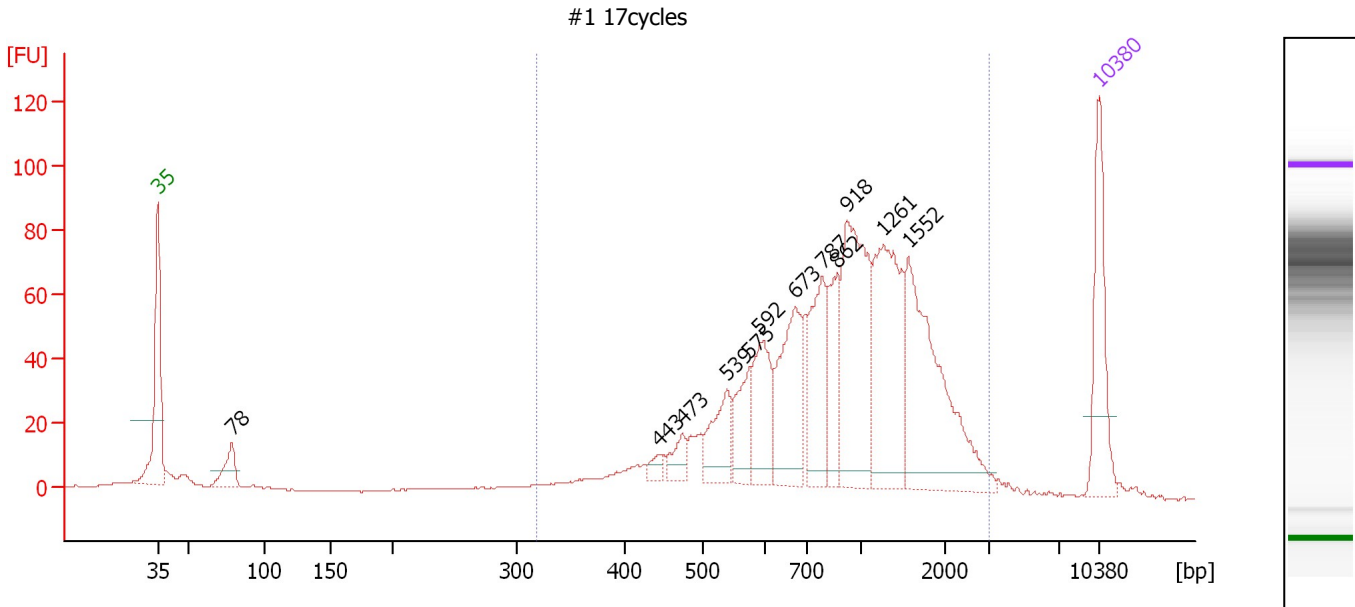
Peak table for Ladder

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	45.35
3	100	150.00	2,272.7	Ladder Peak	51.00
4	150	150.00	1,515.2	Ladder Peak	55.78
5	200	150.00	1,136.4	Ladder Peak	60.52
6	300	150.00	757.6	Ladder Peak	69.72
7	400	150.00	568.2	Ladder Peak	77.76
8	500	150.00	454.5	Ladder Peak	83.46
9	600	150.00	378.8	Ladder Peak	88.10
10	700	150.00	324.7	Ladder Peak	91.21
11	1,000	150.00	227.3	Ladder Peak	95.28
12	2,000	150.00	113.6	Ladder Peak	101.56
13	3,000	150.00	75.8	Ladder Peak	104.76
14	7,000	150.00	32.5	Ladder Peak	109.94
15	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...



Overall Results for sample 1 : #1 17cycles

Number of peaks found: 12 Corr. Area 1: 1,255.7
 Noise: 0.2

Peak table for sample 1 : #1 17cycles

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	78	39.43	763.7		48.54
3	443	11.71	40.1		80.21
4	473	22.24	71.2		81.95
5	539	55.22	155.2		85.27
6	575	48.88	128.7		86.95
7	592	73.26	187.5		87.72
8	673	111.86	251.9		90.37
9	787	90.11	173.5		92.39
10	862	55.59	97.8		93.41
11	918	179.76	296.6		94.18
12	1,261	152.66	183.5		96.92
13	1,552	183.97	179.5		98.75
14	10,380	75.00	10.9	Upper Marker	113.00

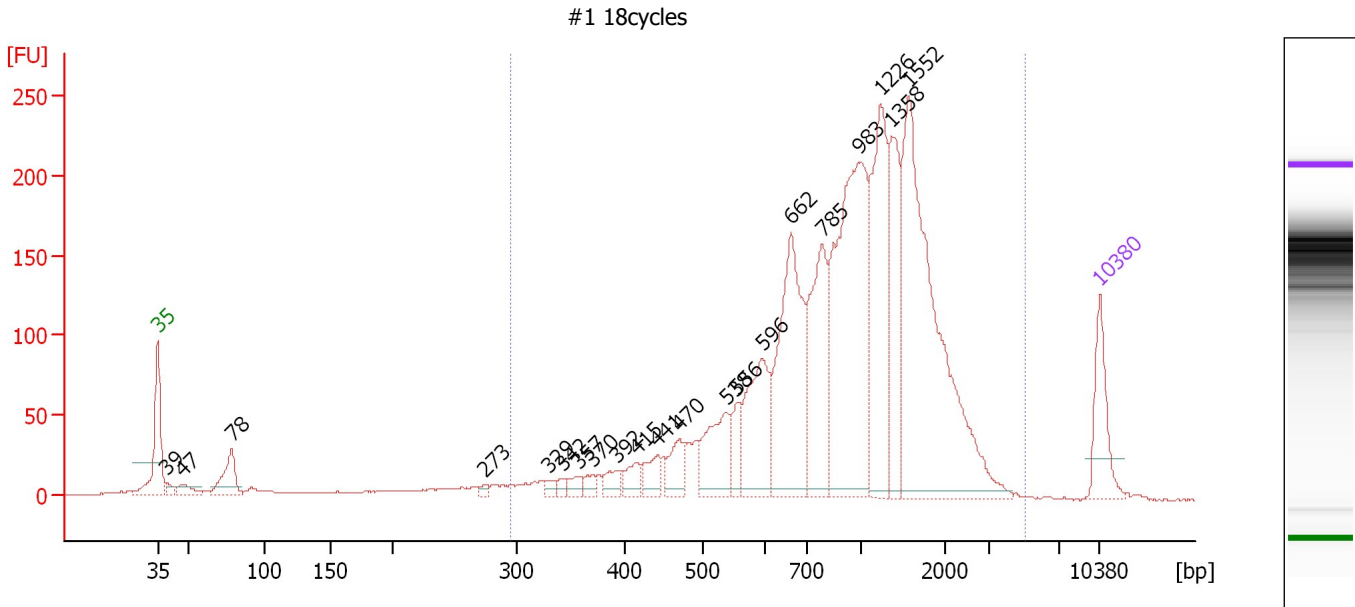
Region table for sample 1 : #1 17cycles

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
319	3,047	1,045	1,255.7	2,182.5	1,134.41	94	50.0

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Electropherogram Summary Continued ...



Overall Results for sample 2 : #1 18cycles

Number of peaks found: 21 Corr. Area 1: 3,216.1
 Noise: 0.2

Peak table for sample 2 : #1 18cycles


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	39	15.63	606.5		43.63
3	47	25.97	846.1		44.80
4	78	81.67	1,588.9		48.50
5	273	7.16	39.7		67.27
6	329	11.86	54.7		72.04
7	342	11.71	51.9		73.11
8	357	18.86	80.0		74.33
9	370	16.76	68.6		75.35
10	392	27.43	106.1		77.10
11	415	32.52	118.8		78.61
12	441	39.35	135.1		80.12
13	470	51.95	167.4		81.77
14	538	117.49	330.9		85.22
15	556	44.00	119.9		86.05
16	596	168.78	429.4		87.90
17	662	321.48	735.5		90.04
18	785	223.60	431.3		92.37
19	983	483.45	745.4		95.05
20	1,226	265.91	328.5		96.70
21	1,358	153.96	171.8		97.53
22	1,552	566.90	553.4		98.75
23	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...

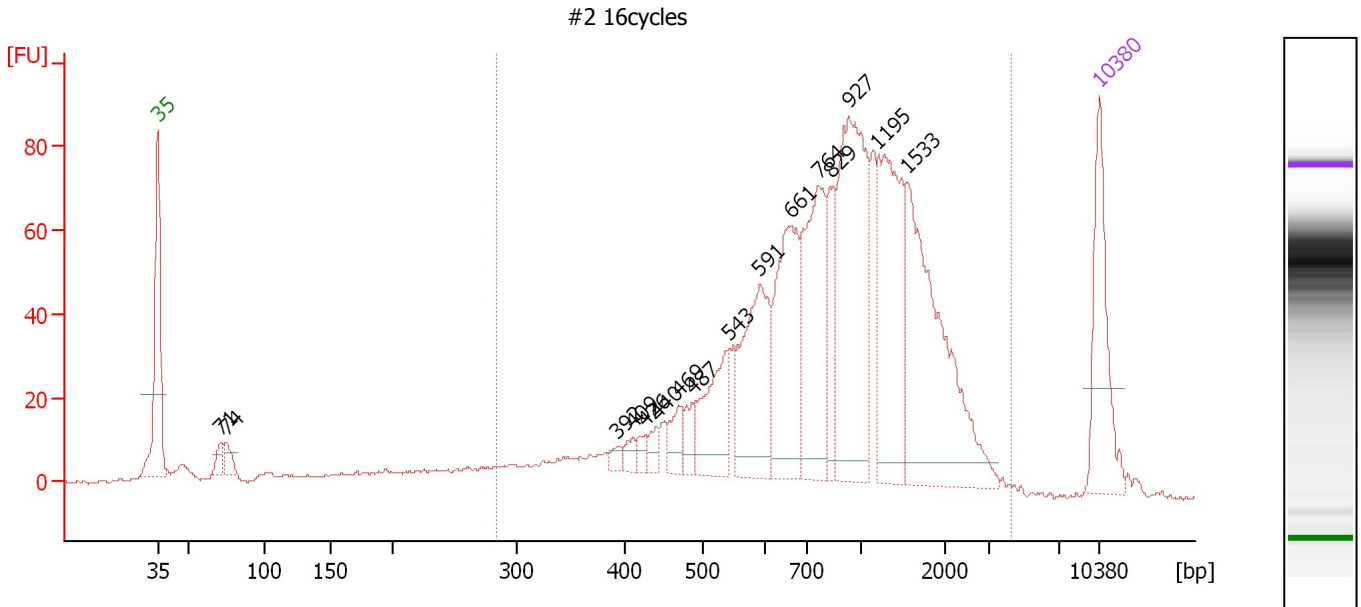
... Region table for sample 2 : #1 18cycles

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
295	5,087	1,106	3,216.1	4,984.5	 2,661.17	94	50.6

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Electropherogram Summary Continued ...



Overall Results for sample 3 : #2 16cycles

Number of peaks found: 16 Corr. Area 1: 1,433.3
 Noise: 0.4

Peak table for sample 3 : #2 16cycles

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	71	14.63	313.9		47.68
3	74	16.83	344.0		48.07
4	392	8.41	32.5		77.11
5	409	10.00	37.0		78.30
6	426	8.48	30.2		79.23
7	440	11.20	38.6		80.02
8	469	23.75	76.7		81.69
9	487	18.75	58.3		82.73
10	543	75.23	210.1		85.43
11	591	125.53	321.7		87.70
12	661	140.72	322.4		90.01
13	764	142.75	283.2		92.08
14	829	49.21	89.9		92.96
15	927	212.70	347.7		94.29
16	1,195	153.39	194.4		96.51
17	1,533	202.20	199.9		98.63
18	10,380	75.00	10.9	Upper Marker	113.00

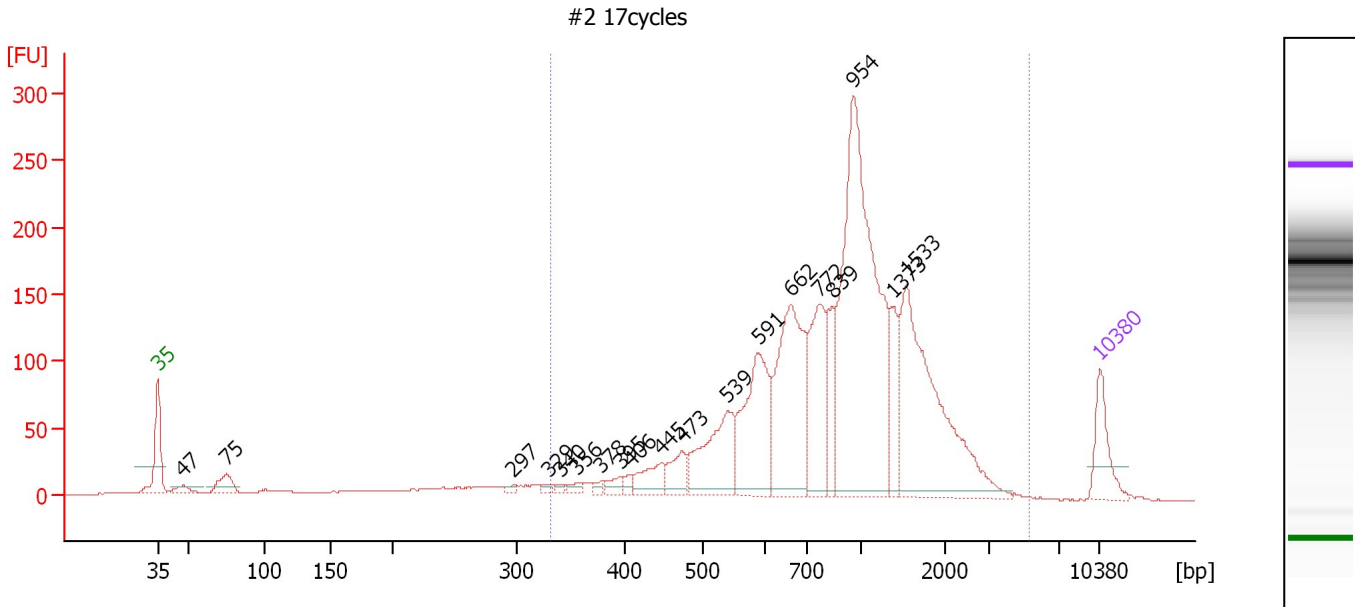
Region table for sample 3 : #2 16cycles

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
284	4,206	1,016	1,433.3	2,971.7	1,430.14	91	54.2

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Electropherogram Summary Continued ...



Overall Results for sample 4 : #2 17cycles

Number of peaks found: 19 Corr. Area 1: 2,846.3
 Noise: 0.2

Peak table for sample 4 : #2 17cycles

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	47	25.88	830.6		44.91
3	75	56.30	1,143.5		48.13
4	297	9.64	49.2		69.43
5	329	9.28	42.7		72.05
6	340	7.81	34.8		72.95
7	356	12.93	55.1		74.21
8	378	11.33	45.5		75.96
9	395	20.24	77.6		77.37
10	406	12.87	48.1		78.08
11	445	61.82	210.4		80.34
12	473	60.06	192.2		81.94
13	539	194.35	546.5		85.26
14	591	264.37	678.1		87.67
15	662	367.88	841.8		90.04
16	772	216.57	424.9		92.20
17	839	97.24	175.6		93.10
18	954	798.09	1,267.7		94.66
19	1,373	88.42	97.6		97.62
20	1,533	444.51	439.3		98.63
21	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 4 : #2 17cycles

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
331	5,240	1,033	2,846.3	5,239.4	2,716.88	92	52.5

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Gel Image

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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.