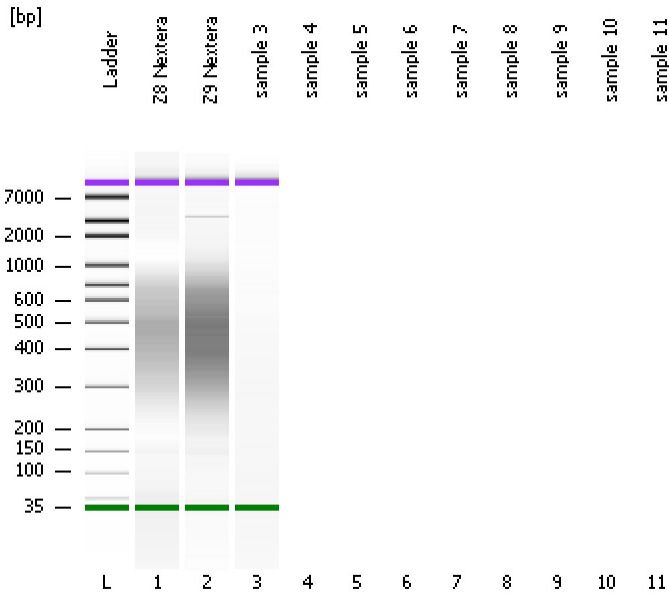


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-14\2017-12-14\_002.xad

Created: 12/14/2017 1:17:38 PM  
Modified: 12/14/2017 1:42:00 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

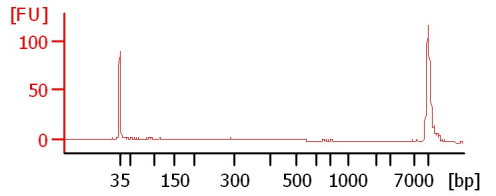
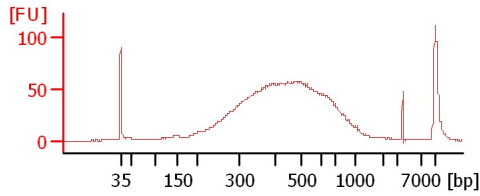
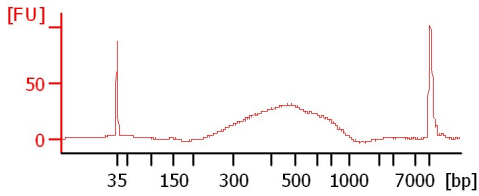
Chip Information:

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

**Z8 Nextera**

**Z9 Nextera**

**sample 3**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-14\2017-12-14\_002.xad

Created: 12/14/2017 1:17:38 PM  
 Modified: 12/14/2017 1:42:00 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Z8 Nextera		<input type="checkbox"/>	✓			
Z9 Nextera		<input type="checkbox"/>	✓			
sample 3		<input type="checkbox"/>	✓			
sample 4		<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 #**

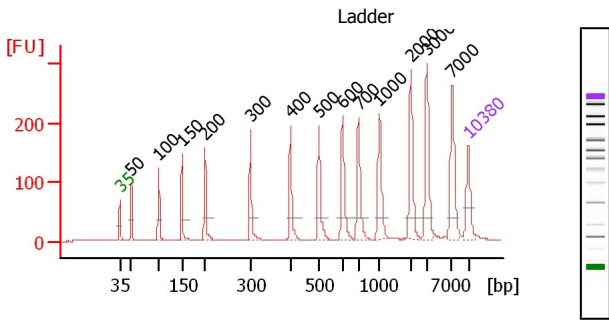
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-14\2017-12-14\_002.xad

Created: 12/14/2017 1:17:38 PM  
 Modified: 12/14/2017 1:42:00 PM

**Electropherogram Summary**



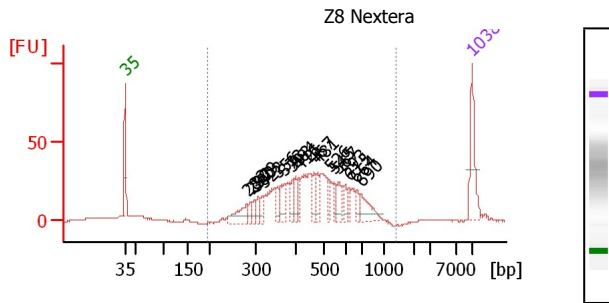
**Peak table for Ladder**

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	45.31
3	100	150.00	2,272.7	Ladder Peak	50.81
4	150	150.00	1,515.2	Ladder Peak	55.51
5	200	150.00	1,136.4	Ladder Peak	60.12
6	300	150.00	757.6	Ladder Peak	69.23
7	400	150.00	568.2	Ladder Peak	77.29
8	500	150.00	454.5	Ladder Peak	82.99
9	600	150.00	378.8	Ladder Peak	87.74
10	700	150.00	324.7	Ladder Peak	90.93
11	1,000	150.00	227.3	Ladder Peak	95.12
12	2,000	150.00	113.6	Ladder Peak	101.46
13	3,000	150.00	75.8	Ladder Peak	104.65

**Overall Results for Ladder**

Noise: 0.1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
14	7,000	150.00	32.5	Ladder Peak	109.77
15	10,380	75.00	10.9	Upper Marker	113.00



**Overall Results for sample 1 : Z8 Nextera**

Number of peaks found: 19  
 Noise: 0.1  
 Corr. Area 1: 760.7

**Region table for sample 1 : Z8 Nextera**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Total in CV [%]
194	1,417	472	760.7	874.29	3,153.4	29.0

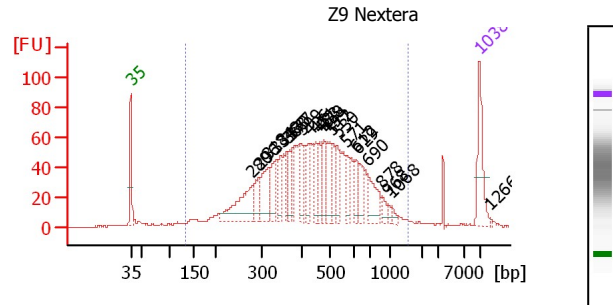
Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-14\2017-12-14\_002.xad

Created: 12/14/2017 1:17:38 PM  
 Modified: 12/14/2017 1:42:00 PM

**Electropherogram Summary Continued ...**

**Peak table for sample 1 : Z8 Nextera**

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	282	66.73	358.8		67.57
3	292	20.50	106.2		68.54
4	300	21.26	107.4		69.21
5	309	22.94	112.4		69.97
6	322	25.96	122.3		70.98
7	356	25.47	108.5		73.72
8	373	42.30	172.1		75.07
9	393	22.92	88.3		76.76
10	404	34.00	127.5		77.52
11	416	24.93	90.8		78.19
12	467	26.40	85.7		81.10
13	481	29.95	94.4		81.90
14	526	19.73	56.8		84.22
15	545	20.35	56.5		85.14
16	567	28.45	76.1		86.15
17	593	17.29	44.2		87.42
18	615	13.71	33.8		88.22
19	664	20.01	45.7		89.78
20	690	52.56	115.3		90.62
21	10,380	75.00	10.9	Upper Marker	113.00



**Overall Results for sample 2 : Z9 Nextera**

Number of peaks found: 24  
 Noise: 0.3  
 Corr. Area 1: 1,839.7

**Region table for sample 2 : Z9 Nextera**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Total	Size distribution CV [%]
134	1,548	469	1,839.7	1,756.3	7,047.8	94	40.4

**Peak table for sample 2 : Z9 Nextera**

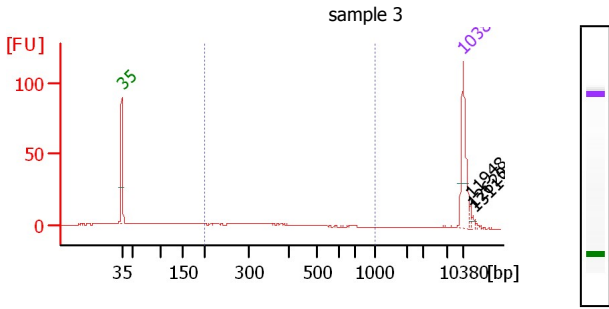
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	280	145.42	786.8		67.41
3	296	60.64	310.2		68.88
4	318	95.57	455.3		70.68
5	334	65.82	298.4		71.98
6	348	48.26	210.0		73.11
7	363	39.08	163.0		74.33
8	370	34.50	141.5		74.83
9	377	37.77	151.6		75.46
10	399	43.50	165.3		77.18
11	426	42.63	151.6		78.78
12	451	47.75	160.4		80.20
13	463	34.18	111.9		80.87
14	478	44.97	142.5		81.75
15	494	67.57	207.4		82.63
16	512	46.48	137.6		83.56
17	530	34.88	99.6		84.44
18	571	36.77	97.5		86.37
19	612	24.14	59.7		88.13
20	629	51.71	124.5		88.67
21	690	70.58	155.0		90.60
22	878	18.15	31.3		93.41
23	968	8.29	13.0		94.67
24	1,068	7.89	11.2		95.55

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
25	10,380	75.00	10.9	Upper Marker	113.00
26	12,661	0.00	0.0		115.18

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-14\2017-12-14\_002.xad

Created: 12/14/2017 1:17:38 PM  
 Modified: 12/14/2017 1:42:00 PM

**Electropherogram Summary Continued ...**



**Peak table for sample 3 :** sample 3

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
3	11,948	0.00	0.0		114.50
4	12,620	0.00	0.0		115.14
5	13,113	0.00	0.0		115.61

**Overall Results for sample 3 :** sample 3

Number of peaks found: 3  
 Noise: 0.2  
 Corr. Area 1: 64.4

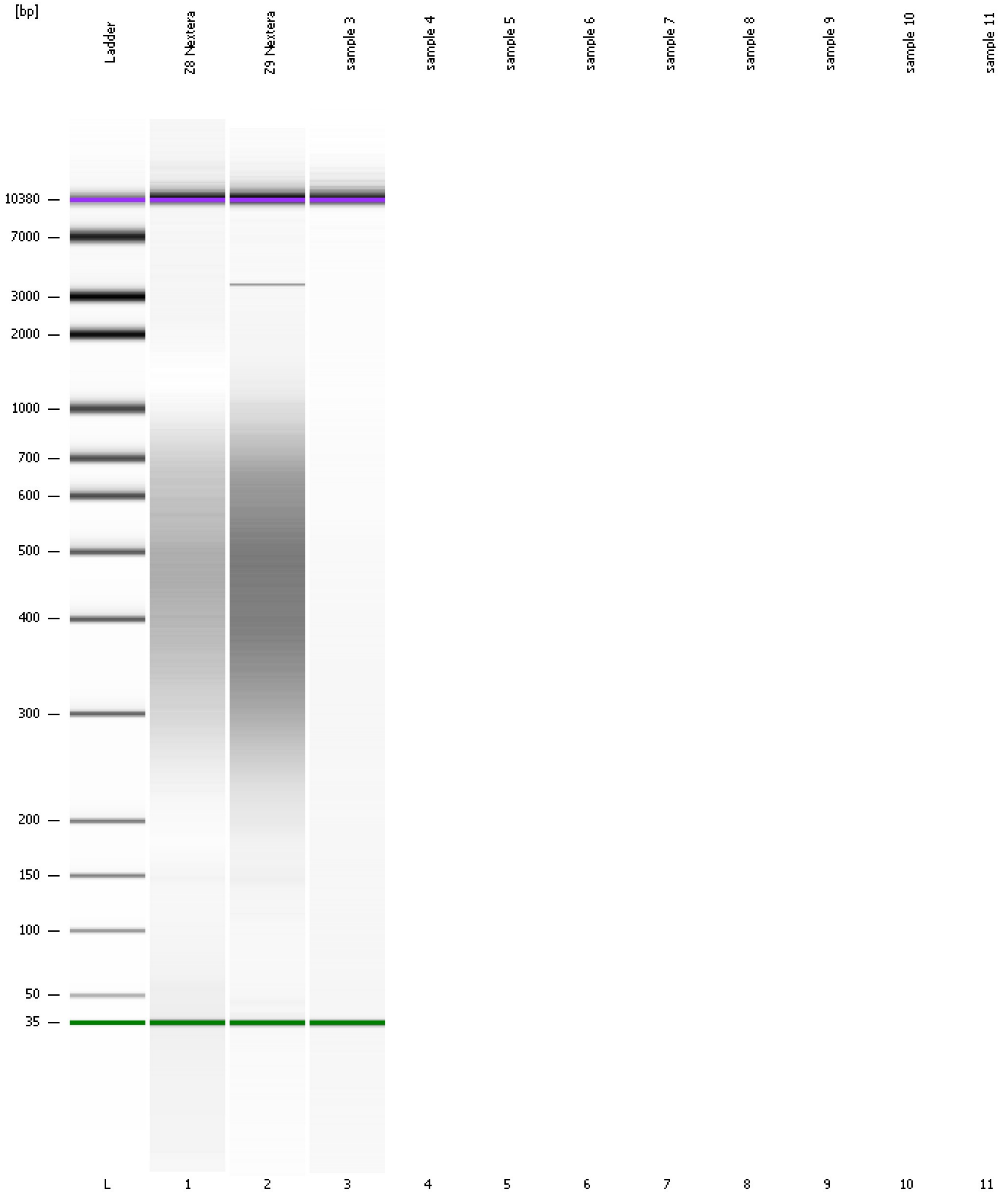
**Region table for sample 3 :** sample 3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Size distribution Total in CV [%]
200	1,000	383	64.4	68.48	318.3	40 37.5

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-14\2017-12-14\_002.xad

Created: 12/14/2017 1:17:38 PM  
Modified: 12/14/2017 1:42:00 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-14\2017-12-14\_002.xad

Created: 12/14/2017 1:17:38 PM  
Modified: 12/14/2017 1:42:00 PM

**Invalid Samples**

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.