

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...\Bioanalyzer\2015-08-06\2015-08-06\_001\_HiSeq158\_Lib\_1-3.xad

Created: 8/6/2015 12:06:11 PM  
Modified: 8/10/2015 11:28:14 AM

**Electrophoresis File Run Summary**

Instrument Information:

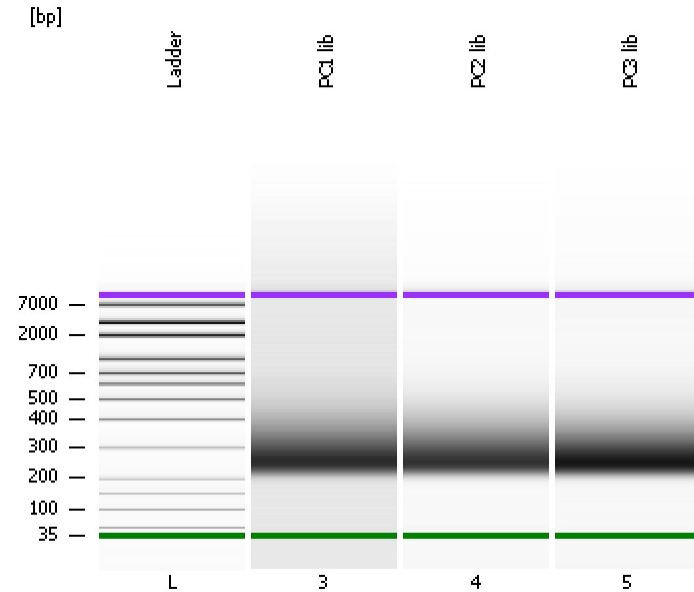
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

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:

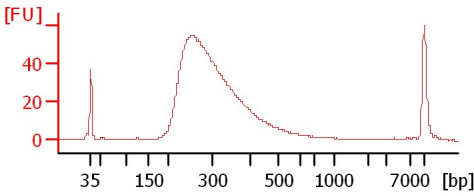
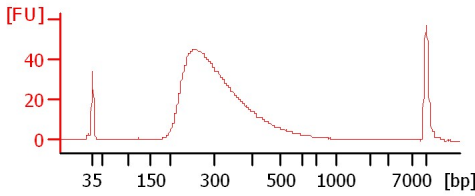
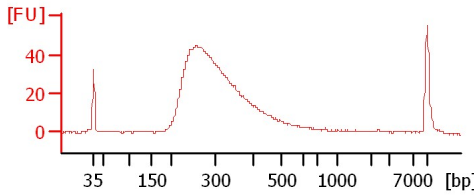
Chip Lot #:  
Reagent Kit Lot #:  
Chip Comments:



PC1 lib

PC2 lib

PC3 lib



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...\Bioanalyzer\2015-08-06\2015-08-06\_001\_HiSeq158\_Lib\_1-3.xad

Created: 8/6/2015 12:06:11 PM  
Modified: 8/10/2015 11:28:14 AM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
PC1 lib		<input type="checkbox"/>	✓			
PC2 lib		<input type="checkbox"/>	✓			
PC3 lib		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #** **Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...\Bioanalyzer\2015-08-06\2015-08-06\_001\_HiSeq158\_Lib\_1-3.xad

Created: 8/6/2015 12:06:11 PM  
Modified: 8/10/2015 11:28:14 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/ $\mu$ l] : 1950  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [pg/ $\mu$ l] : 125  
Upper Marker Concentration [pg/ $\mu$ l] : 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

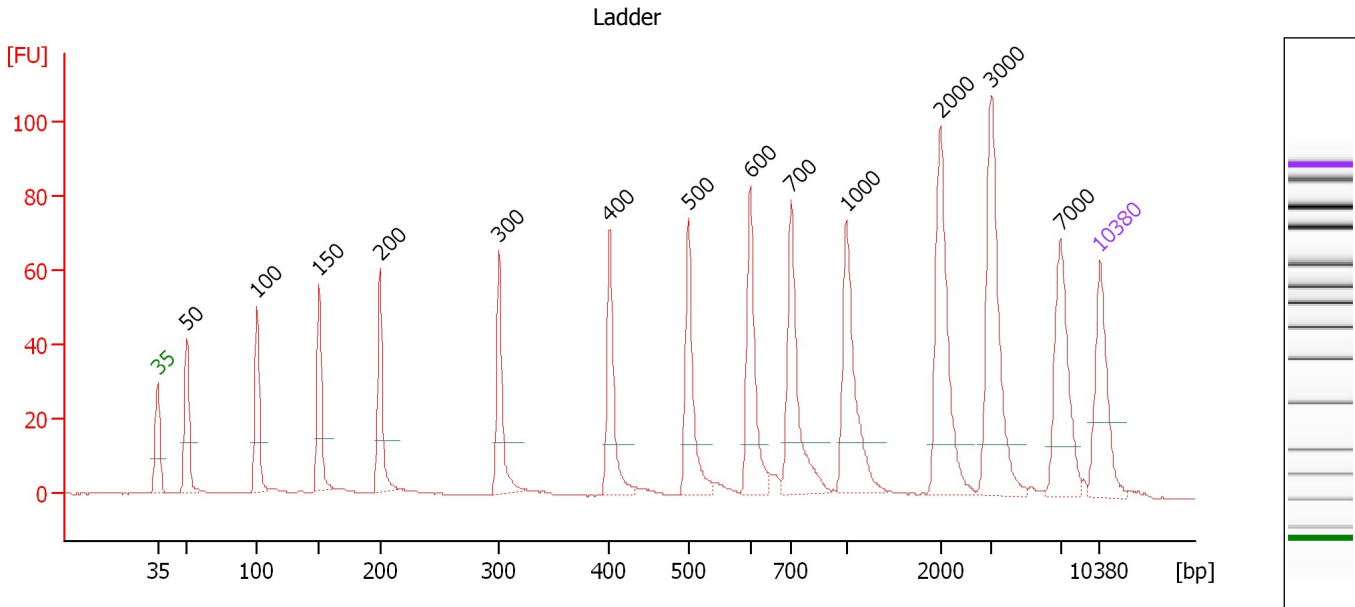
### Ladder

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\2015-08-06\2015-08-06\_001\_HiSeq158\_Lib\_1-3.xad

Created: 8/6/2015 12:06:11 PM  
 Modified: 8/10/2015 11:28:14 AM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

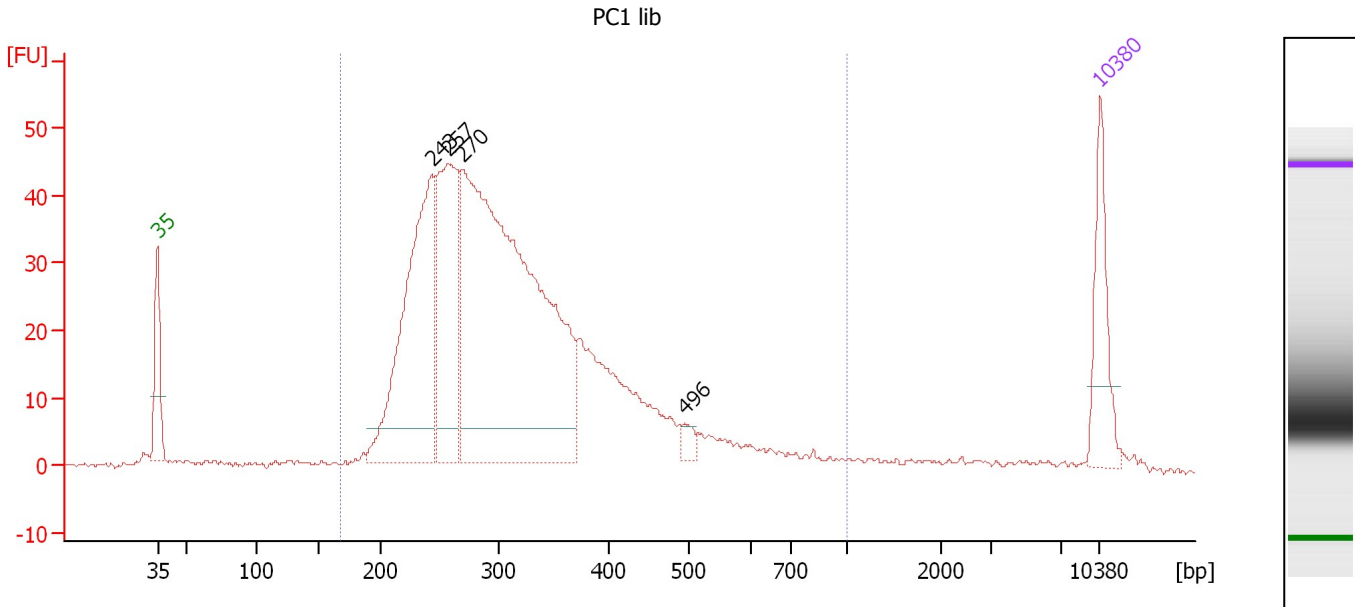
**Peak table for Ladder**

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	45.17
3	100	150.00	2,272.7	Ladder Peak	50.36
4	150	150.00	1,515.2	Ladder Peak	55.02
5	200	150.00	1,136.4	Ladder Peak	59.51
6	300	150.00	757.6	Ladder Peak	68.39
7	400	150.00	568.2	Ladder Peak	76.57
8	500	150.00	454.5	Ladder Peak	82.41
9	600	150.00	378.8	Ladder Peak	87.01
10	700	150.00	324.7	Ladder Peak	90.05
11	1,000	150.00	227.3	Ladder Peak	94.16
12	2,000	150.00	113.6	Ladder Peak	101.14
13	3,000	150.00	75.8	Ladder Peak	104.93
14	7,000	150.00	32.5	Ladder Peak	110.08
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...\Bioanalyzer\2015-08-06\2015-08-06\_001\_HiSeq158\_Lib\_1-3.xad

Created: 8/6/2015 12:06:11 PM  
 Modified: 8/10/2015 11:28:14 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : PC1 lib**

Number of peaks found: 4                      Corr. Area 1: 899.6  
 Noise: 0.2

**Peak table for sample 3 : PC1 lib**

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	243	426.81	2,656.1		63.37
3	257	292.62	1,726.1		64.56
4	270	973.23	5,469.4		65.69
5	496	15.87	48.5		82.16
6	10,380	75.00	10.9	Upper Marker	113.00

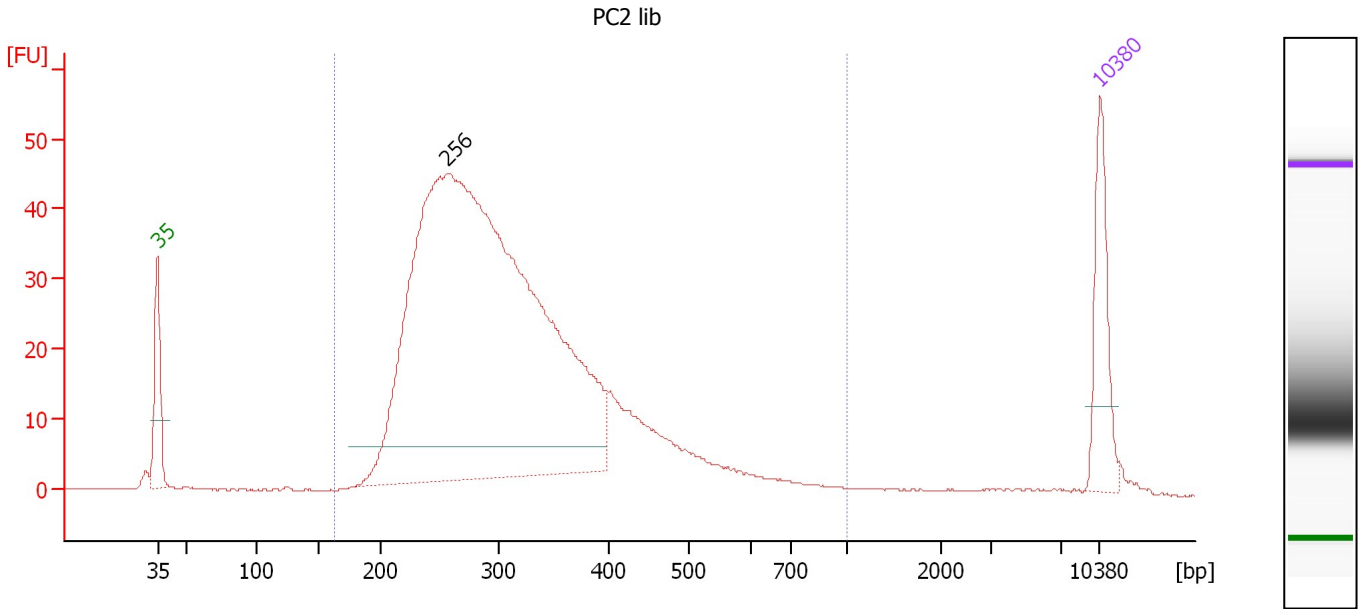
**Region table for sample 3 : PC1 lib**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
167	336	1,000	899.6	11,180.2	87	36.6	2,193.76

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...\Bioanalyzer\2015-08-06\2015-08-06\_001\_HiSeq158\_Lib\_1-3.xad

Created: 8/6/2015 12:06:11 PM  
 Modified: 8/10/2015 11:28:14 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : PC2 lib**

Number of peaks found: 1                      Corr. Area 1: 834.8  
 Noise: 0.1

**Peak table for sample 4 : PC2 lib**

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	256	1,674.55	9,914.1		64.48
3	10,380	75.00	10.9	Upper Marker	113.00

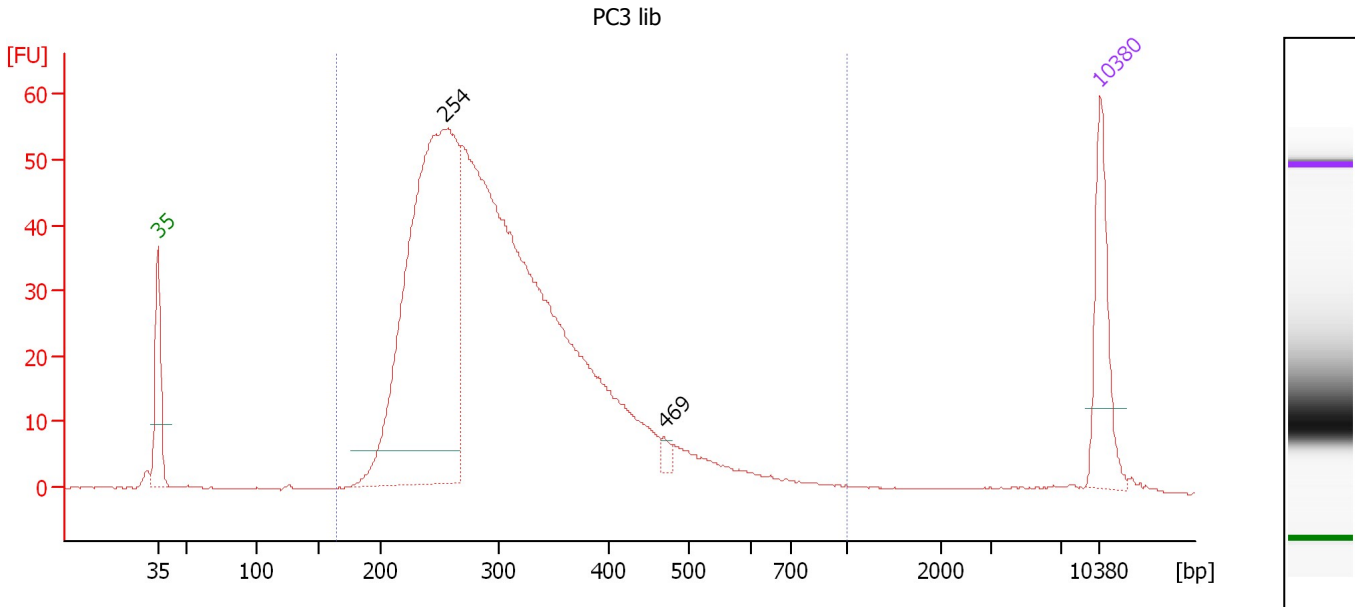
**Region table for sample 4 : PC2 lib**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
163	321	1,000	834.8	9,795.0	97	30.6	1,892.58

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...\Bioanalyzer\2015-08-06\2015-08-06\_001\_HiSeq158\_Lib\_1-3.xad

Created: 8/6/2015 12:06:11 PM  
 Modified: 8/10/2015 11:28:14 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : PC3 lib**

Number of peaks found: 2                      Corr. Area 1: 972.6  
 Noise: 0.1

**Peak table for sample 5 : PC3 lib**

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	254	768.52	4,585.3		64.30
3	469	9.40	30.4		80.61
4	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 5 : PC3 lib**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
165	316	1,000	972.6	10,622.8	97	30.4	2,029.05

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...\Bioanalyzer\2015-08-06\2015-08-06\_001\_HiSeq158\_Lib\_1-3.xad

Created: 8/6/2015 12:06:11 PM  
Modified: 8/10/2015 11:28:14 AM

**Gel Image**

