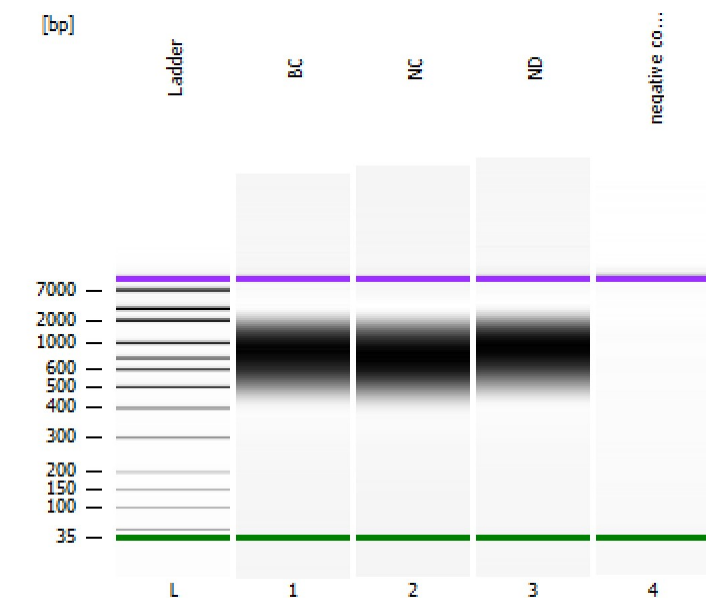


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...rt\data\2016-06-02\R. Cuning ezRAD library QC 06-02-16.xad

Created: 6/2/2016 1:27:04 PM
Modified: 6/2/2016 2:31:40 PM

Electrophoresis File Run Summary



Instrument Information:

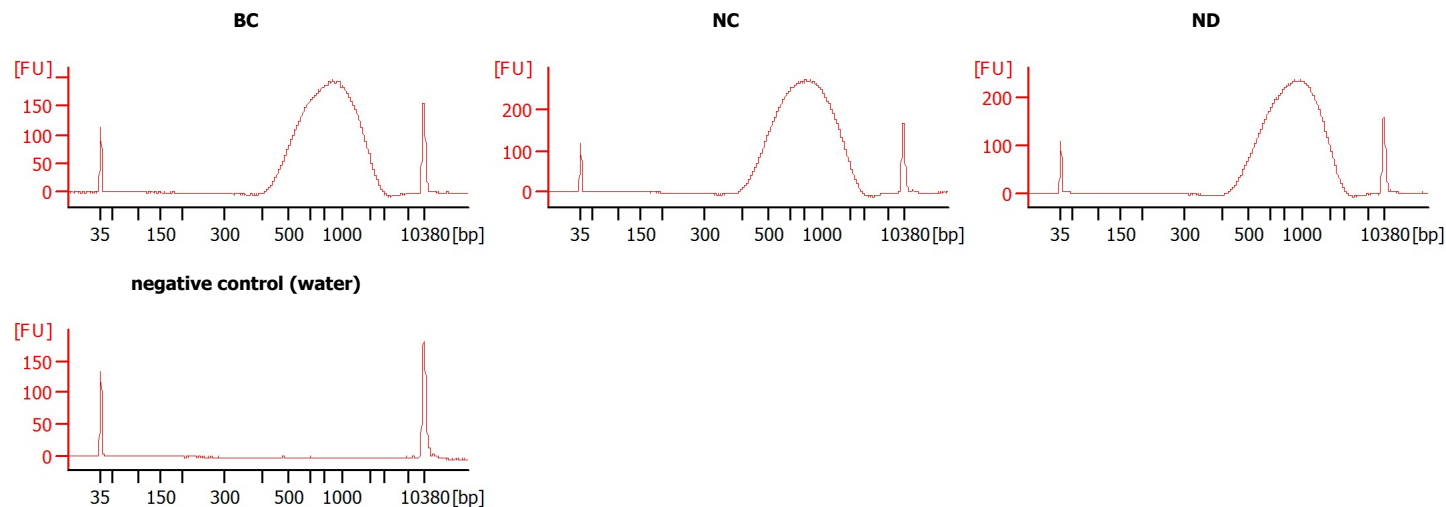
Instrument Name: DE13804163 Firmware: C.01.069
Serial#: DE13804163 Type: G2939A

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: Submitted by Ross Cuning 06-02-16.



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...rt\data\2016-06-02\R. Cuning ezRAD library QC 06-02-16.xad

Created: 6/2/2016 1:27:04 PM
Modified: 6/2/2016 2:31:40 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
BC		<input type="checkbox"/>				
NC		<input type="checkbox"/>				
ND		<input type="checkbox"/>				
negative control (water)		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

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

Submitted by Ross Cuning 06-02-16.

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...rt\data\2016-06-02\R. Cuning ezRAD library QC 06-02-16.xad

Created: 6/2/2016 1:27:04 PM
Modified: 6/2/2016 2:31:40 PM

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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ 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

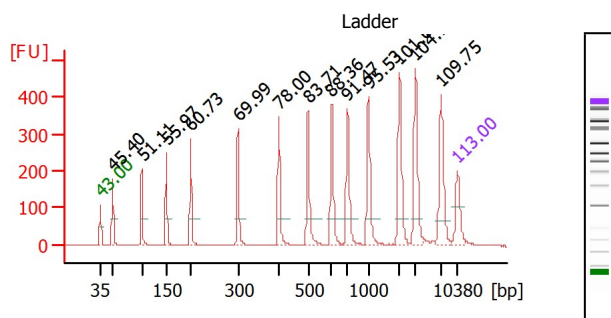
Ladder

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:\...rt\data\2016-06-02\R. Cuning ezRAD library QC 06-02-16.xad

Created: 6/2/2016 1:27:04 PM
 Modified: 6/2/2016 2:31:40 PM

Electropherogram Summary



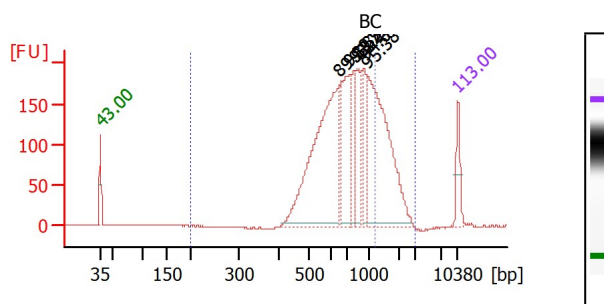
Overall Results for Ladder

Noise: 0.3

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

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



Overall Results for sample 1 : BC

Number of peaks found: 6
 Noise: 0.3
 Corr. Area 1: 2,470.8
 Corr. Area 2: 3,115.3

Region table for sample 1 : BC

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,200	2,470.8	79	725	25.9	1,976.73	4,472.3	Blue
200	2,985	3,115.3	100	920	46.4	2,414.23	4,893.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...rt\data\2016-06-02\R. Cuning ezRAD library QC 06-02-16.xad

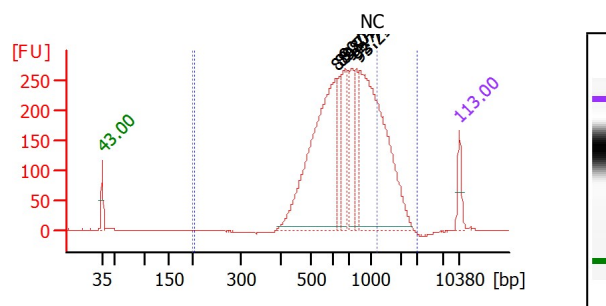
Created: 6/2/2016 1:27:04 PM
 Modified: 6/2/2016 2:31:40 PM

Electropherogram Summary Continued ...

Peak table for sample 1 :

BC

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	649	896.81	2,093.4	
3	731	329.76	683.2	
4	792	149.73	286.4	
5	834	156.67	284.7	
6	936	153.39	248.2	
7	990	682.99	1,045.7	
8	10,380	75.00	10.9	Upper Marker



Overall Results for sample 2 :

NC

Number of peaks found: 6
 Noise: 0.3
 Corr. Area 1: 3,773.5
 Corr. Area 2: 4,543.1

Region table for sample 2 :

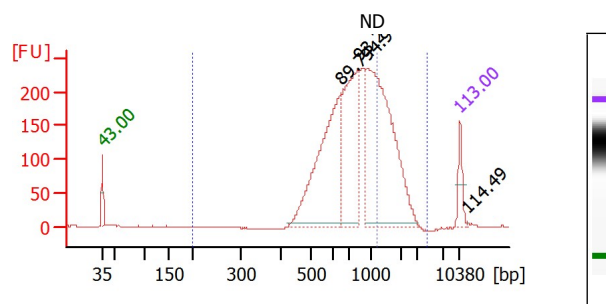
NC

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,200	3,773.5	83	701	26.4	2,955.45	6,926.2	Blue
206	2,942	4,543.1	100	861	46.1	3,464.53	7,422.9	Blue

Peak table for sample 2 :

NC

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	614	1,273.41	3,143.0	
3	644	198.05	465.8	
4	676	228.80	512.7	
5	723	229.18	480.5	
6	796	149.89	285.3	
7	835	1,334.34	2,421.9	
8	10,380	75.00	10.9	Upper Marker



Overall Results for sample 3 :

ND

Number of peaks found: 4
 Noise: 0.3
 Corr. Area 1: 2,715.5
 Corr. Area 2: 3,649.8

Region table for sample 3 :

ND

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,200	2,715.5	74	744	25.1	2,104.86	4,620.7	Blue
200	4,467	3,649.8	100	990	47.3	2,721.13	5,202.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...rt\data\2016-06-02\R. Cuning ezRAD library QC 06-02-16.xad

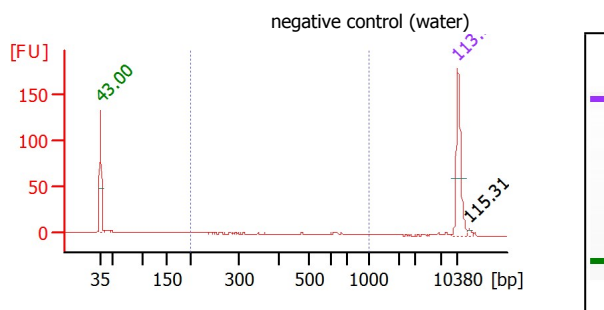
Created: 6/2/2016 1:27:04 PM
 Modified: 6/2/2016 2:31:40 PM

Electropherogram Summary Continued ...

Peak table for sample 3 :

ND

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	644	861.52	2,026.2	
3	831	626.51	1,142.0	
4	957	1,082.98	1,714.8	
5	10,380	75.00	10.9	Upper Marker
6	11,924	0.00	0.0	



Overall Results for sample 4 : negative control (water)

Number of peaks found: 1
 Noise: 0.3
 Corr. Area 1: 1.8

Region table for sample 4 : negative control (water)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1.8	7	597	14.2	1.10	3.0	Blue

Peak table for sample 4 :

negative control (water)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker
3	12,777	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...rt\data\2016-06-02\R. Cuning ezRAD library QC 06-02-16.xad

Created: 6/2/2016 1:27:04 PM
Modified: 6/2/2016 2:31:40 PM

Gel Image