Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-04\2014-03-04_005.xad

Created: 3/4/2014 4:09:13 PM
Modified: 3/4/2014 4:31:15 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\DNA 12000 Series II.xsy

Assay Class: DNA 12000

Version: 2.4

Assay Comments: DNA Analysis 100 -12000 bp

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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

Pp1290 gTube 4950　　　　　**CaCal35 gTube 4950**　　　　　**LCN13 gTube 4950**

LCN11 gTube 4950

| Assay Class: | DNA 12000 | | | Created: | 3/4/2014 4:09:13 PM |
| Data Path: | C:\...ents and Settings\Bioanalyzer\2014-03-04\2014-03-04_005.xad | | | Modified: | 3/4/2014 4:31:15 PM |

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Pp1290 gTube 4950		☐	✔			
CaCal35 gTube 4950		☐	✔			
LCN13 gTube 4950		☐	✔			
LCN11 gTube 4950		☐	✔			
		☐				
		☐				
		☐				
		☐				
		☐				
		☐				
		☐				
Ladder		☐	✔			

Chip Lot #   **Reagent Kit Lot #**

Chip Comments :

Assay Class:	DNA 12000	Created:	3/4/2014 4:09:13 PM
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Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 20
Maximum Visible Range [s] : 99
Start Analysis Time Range [s] : 20
End Analysis Time Range [s] : 98.95
Ladder Concentration [ng/µl] : 44
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [ng/µl] : 8.3
Upper Marker Concentration [ng/µl] : 4.2
Used Upper Marker for Quantitation
This is a Qualitative Assay Only
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 20
Integration End Time [s] : 98.95
Slope Threshold : 0.8
Height Threshold [FU] : 20
Area Threshold : 0.1
Width Threshold [s] : 0.5
Baseline Plateau [s] : 0.5

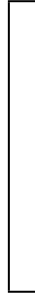## Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

Ladder

Ladder Peak	Size	Area
1	50	120
2	100	48
3	300	61
4	500	77
5	700	81
6	1000	86
7	1500	92
8	2000	92
9	3000	96
10	5000	100
11	7000	98
12	10380	102
13	17000	110

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Electropherogram Summary

Ladder

Peak table for Ladder

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	100	4.00	60.6	Ladder Peak
3	300	4.00	20.2	Ladder Peak
4	500	4.00	12.1	Ladder Peak
5	700	4.00	8.7	Ladder Peak
6	1,000	4.00	6.1	Ladder Peak
7	1,500	4.00	4.0	Ladder Peak
8	2,000	4.00	3.0	Ladder Peak
9	3,000	4.00	2.0	Ladder Peak
10	5,000	4.00	1.2	Ladder Peak
11	7,000	4.00	0.9	Ladder Peak
12	10,380	4.00	0.6	Ladder Peak
13	17,000	4.20	0.4	Upper Marker

Pp1290 gTube 4950
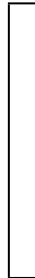
Peak table for sample 1 :   Pp1290 gTube 4950

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◄	50	8.30	251.5	Lower Marker
2	►	17,000	4.20	0.4	Upper Marker

Overall Results for sample 1 :   Pp1290 gTube 4950

Number of peaks found:	0
Area 1:	55.4
Area 2:	82.8

Region table for sample 1 :   Pp1290 gTube 4950

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/µl]	Area	Col	Size distribution in CV [%]	% of Total
942	29,917	11,642	9.33	82.8	🟩	50.2	92
6,174	13,282	8,834	6.21	55.4	🟦	19.1	61

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-04\2014-03-04_005.xad

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Electropherogram Summary Continued ...

CaCal35 gTube 4950
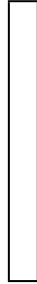
Peak table for sample 2 :   CaCal35 gTube 4950

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	50	8.30	251.5	Lower Marker
2		8,808	10.63	1.8	
3	▶	17,000	4.20	0.4	Upper Marker

Overall Results for sample 2 :   CaCal35 gTube 4950

Number of peaks found: 1
Area 1:   86.4

Region table for sample 2 :   CaCal35 gTube 4950

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/µl]	Area	Col Size distribution in CV [%]	% of Total
7,392	12,323	9,268	7.33	86.4	■ 12.8	49

LCN13 gTube 4950

Peak table for sample 3 :   LCN13 gTube 4950

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	50	8.30	251.5	Lower Marker
2	▶	17,000	4.20	0.4	Upper Marker

Overall Results for sample 3 :   LCN13 gTube 4950

Number of peaks found: 0
Area 1:   37.5
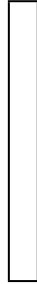
Region table for sample 3 :   LCN13 gTube 4950

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/µl]	Area	Col Size distribution in CV [%]	% of Total
5,920	12,095	8,282	4.92	37.5	■ 17.9	49

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-04\2014-03-04_005.xad

Created: 3/4/2014 4:09:13 PM
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Electropherogram Summary Continued ...

LCN11 gTube 4950

Peak table for sample 4 : <u>LCN11 gTube 4950</u>

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	50	8.30	251.5	Lower Marker
2	▶	17,000	4.20	0.4	Upper Marker

Overall Results for sample 4 : <u>LCN11 gTube 4950</u>

Number of peaks found: 0
Area 1: 67.5

Region table for sample 4 : <u>LCN11 gTube 4950</u>

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/µl]	Area	Col	Size distribution in CV [%]	% of Total
5,874	13,303	8,558	7.37	67.5	■	20.4	61

Assay Class: DNA 12000   Created: 3/4/2014 4:09:13 PM
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-04\2014-03-04_005.xad   Modified: 3/4/2014 4:31:15 PM

Gel Image

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-04\2014-03-04_005.xad

Created: 3/4/2014 4:09:13 PM
Modified: 3/4/2014 4:31:15 PM

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.

Sample 12 has not been run, no results available.