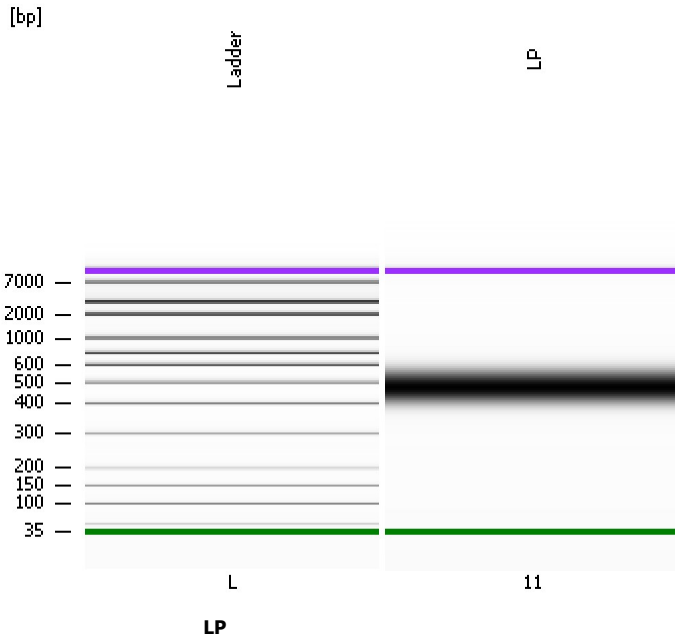


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...s and Settings\Bioanalyzer\2015-05-21\2015-05-21_002_LP.xad

Created: 5/21/2015 9:56:15 AM
Modified: 5/21/2015 10:38:47 AM

Electrophoresis File Run Summary



Instrument Information:

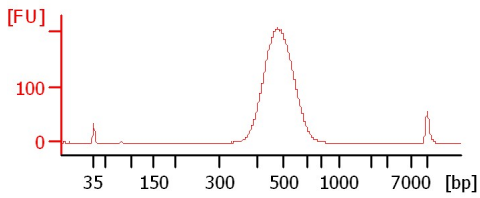
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...s and Settings\Bioanalyzer\2015-05-21\2015-05-21_002_LP.xad

Created: 5/21/2015 9:56:15 AM
Modified: 5/21/2015 10:38:47 AM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|-------------------|----------------|--------------------------|--------|--------------------------|--------------|--------------|
| LP | | <input type="checkbox"/> | | | | |
| Ladder | | <input type="checkbox"/> | | | | |
| Chip Lot # | | | | Reagent Kit Lot # | | |

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...s and Settings\Bioanalyzer\2015-05-21\2015-05-21_002_LP.xad

Created: 5/21/2015 9:56:15 AM
Modified: 5/21/2015 10:38:47 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/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 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

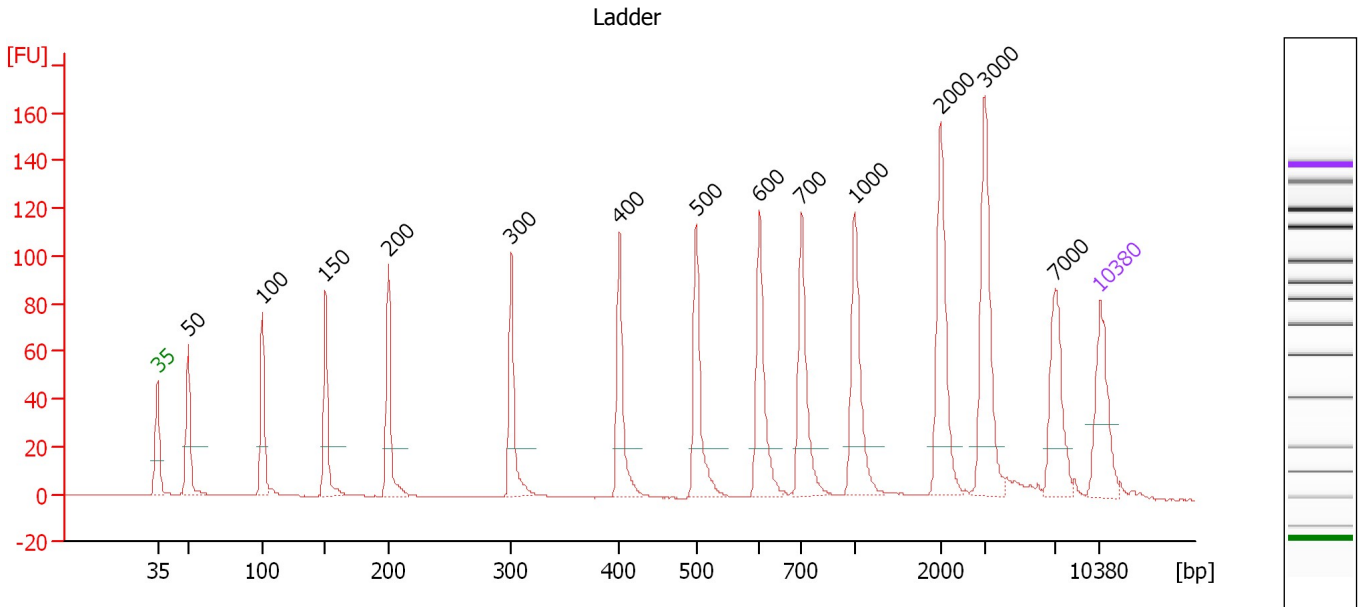
Ladder

| 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:\...s and Settings\Bioanalyzer\2015-05-21\2015-05-21_002_LP.xad

Created: 5/21/2015 9:56:15 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

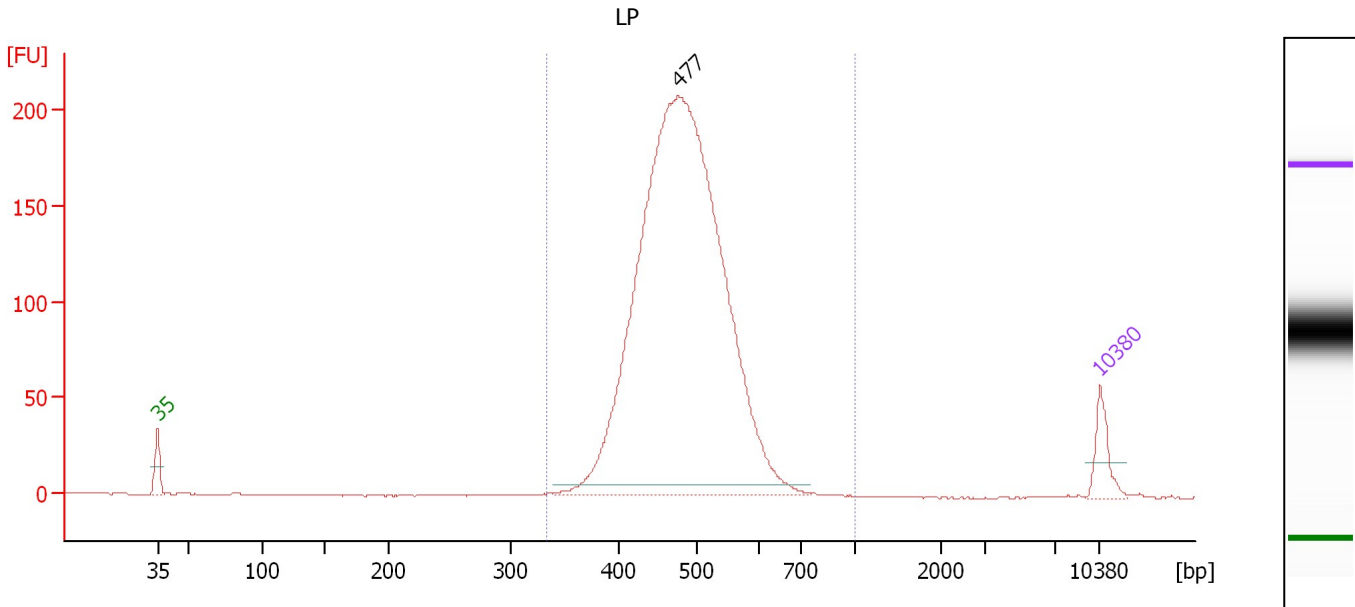
Peak table for Ladder

| 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 | 45.27 |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak | 50.80 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.48 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.15 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 69.27 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 77.30 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 83.01 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 87.69 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 90.82 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 94.76 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.16 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.47 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.69 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...s and Settings\Bioanalyzer\2015-05-21\2015-05-21_002_LP.xad

Created: 5/21/2015 9:56:15 AM
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Electropherogram Summary Continued ...



Overall Results for sample 11 : LP

Number of peaks found: 1 Corr. Area 1: 1,890.5
 Noise: 0.1

Peak table for sample 11 : LP

| 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 | 477 | 3,583.69 | 11,380.4 | | 81.71 |
| 3 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Region table for sample 11 : LP

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Color |
|-----------|-------------------|---------|------------|-------------------|------------|-----------------------------|---------------|-------|
| 334 | 485 | 1,000 | 1,890.5 | 11,392.8 | 99 | 12.1 | 3,589.40 | Blue |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...s and Settings\Bioanalyzer\2015-05-21\2015-05-21_002_LP.xad

Created: 5/21/2015 9:56:15 AM
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Gel Image

