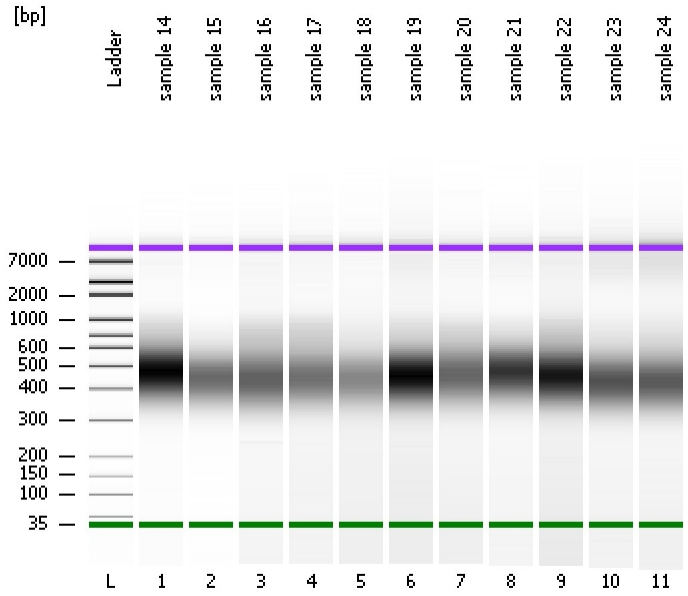
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad

Created: 9/18/2015 3:34:30 PM
Modified: 9/18/2015 4:14:58 PM

## Electrophoresis File Run Summary




Instrument Information:

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

Assay Information:

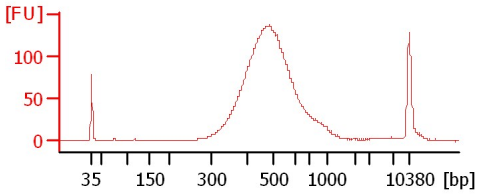
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy

Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

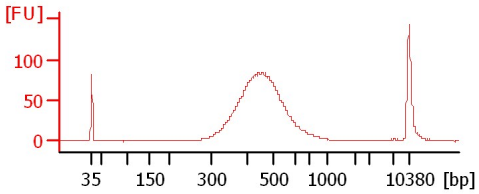
Chip Information:

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

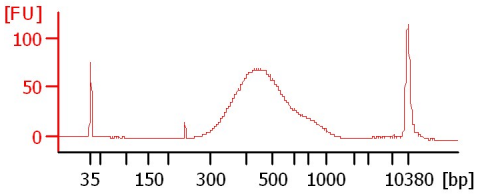
**sample 14**



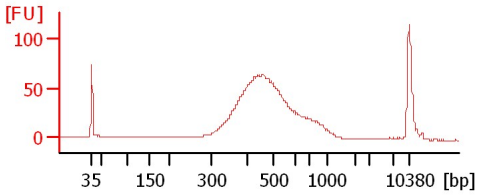

**sample 15**



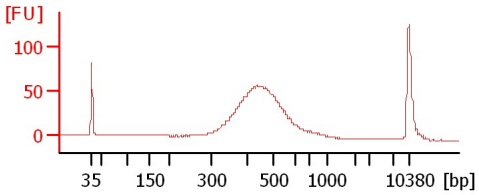

**sample 16**



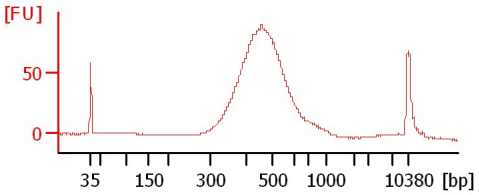

**sample 17**



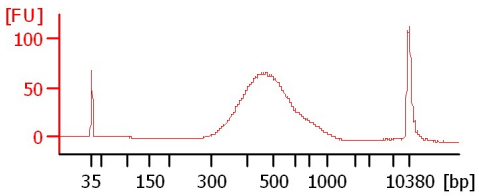

**sample 18**



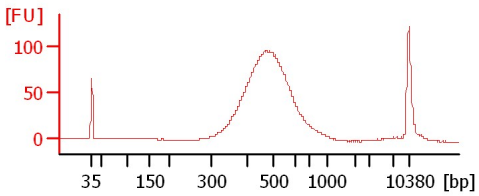

**sample 19**



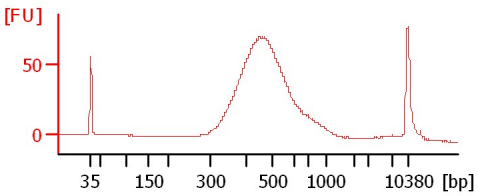

**sample 20**



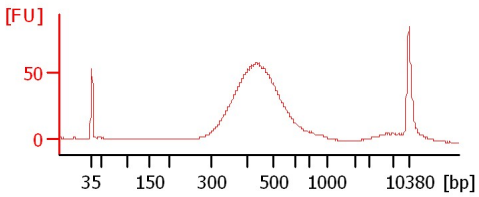

**sample 21**



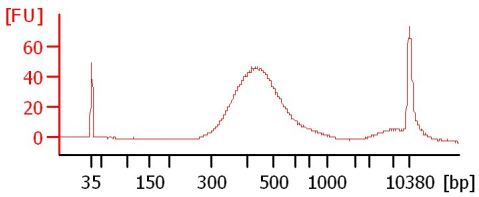

**sample 22**




**sample 23**




**sample 24**



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad

Created: 9/18/2015 3:34:30 PM
Modified: 9/18/2015 4:14:58 PM

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

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|---|---|---|---|---|---|---|
| sample 14 | | ☐ | ✔ | | | |
| sample 15 | | ☐ | ✔ | | | |
| sample 16 | | ☐ | ✔ | | | |
| sample 17 | | ☐ | ✔ | | | |
| sample 18 | | ☐ | ✔ | | | |
| sample 19 | | ☐ | ✔ | | | |
| sample 20 | | ☐ | ✔ | | | |
| sample 21 | | ☐ | ✔ | | | |
| sample 22 | | ☐ | ✔ | | | |
| sample 23 | | ☐ | ✔ | | | |
| sample 24 | | ☐ | ✔ | | | |
| Ladder | | ☐ | ✔ | | | |

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

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad

Created: 9/18/2015 3:34:30 PM
Modified: 9/18/2015 4:14:58 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/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

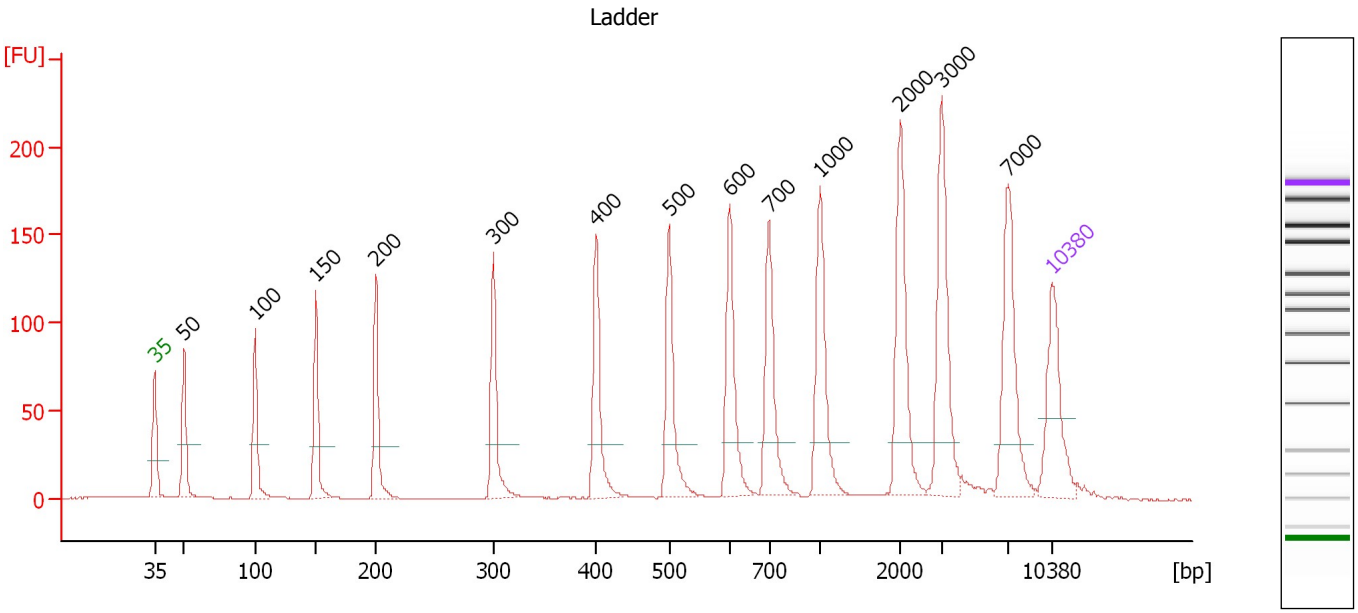
### Ladder

| 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:\...ents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad

Created: 9/18/2015 3:34:30 PM
Modified: 9/18/2015 4:14:58 PM

## Electropherogram Summary




## Overall Results for Ladder

Noise: 0.2

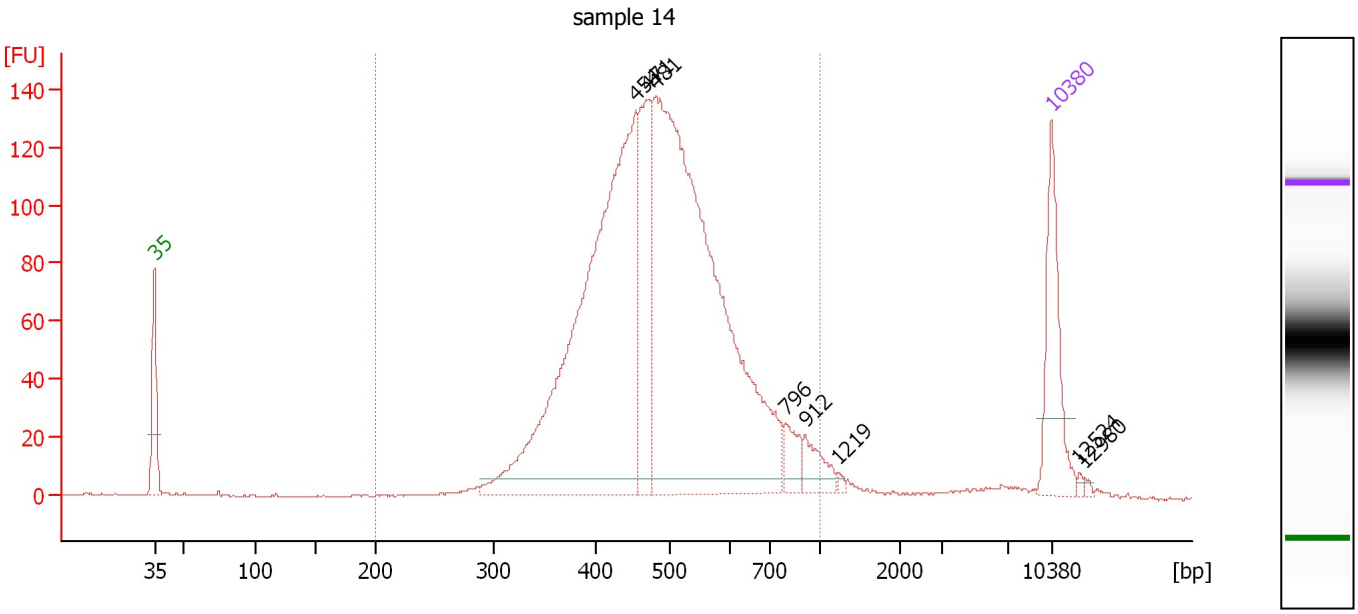
## Peak table for Ladder

| 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 | 45.29 |
| 3 | | 100 | 150.00 | 2,272.7 | Ladder Peak | 50.86 |
| 4 | | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.57 |
| 5 | | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.29 |
| 6 | | 300 | 150.00 | 757.6 | Ladder Peak | 69.45 |
| 7 | | 400 | 150.00 | 568.2 | Ladder Peak | 77.48 |
| 8 | | 500 | 150.00 | 454.5 | Ladder Peak | 83.19 |
| 9 | | 600 | 150.00 | 378.8 | Ladder Peak | 87.90 |
| 10 | | 700 | 150.00 | 324.7 | Ladder Peak | 90.95 |
| 11 | | 1,000 | 150.00 | 227.3 | Ladder Peak | 94.95 |
| 12 | | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.19 |
| 13 | | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.42 |
| 14 | | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.63 |
| 15 | | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad

Created: 9/18/2015 3:34:30 PM
Modified: 9/18/2015 4:14:58 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 1 : sample 14**

| | | | |
|---|---|---|---|
| Number of peaks found: | 8 | Corr. Area 1: | 2,155.9 |
| Noise: | 0.2 | | |

**Peak table for sample 1 : sample 14**

| 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 | 454 | 657.32 | 2,195.2 | | 80.55 |
| 3 | 471 | 144.34 | 464.1 | | 81.55 |
| 4 | 481 | 803.23 | 2,531.3 | | 82.09 |
| 5 | 796 | 26.70 | 50.9 | | 92.23 |
| 6 | 912 | 27.00 | 44.9 | | 93.77 |
| 7 | 1,219 | 2.77 | 3.4 | | 96.32 |
| 8 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 9 | 12,524 | 0.00 | 0.0 | | 115.14 |
| 10 | 12,981 | 0.00 | 0.0 | | 115.59 |

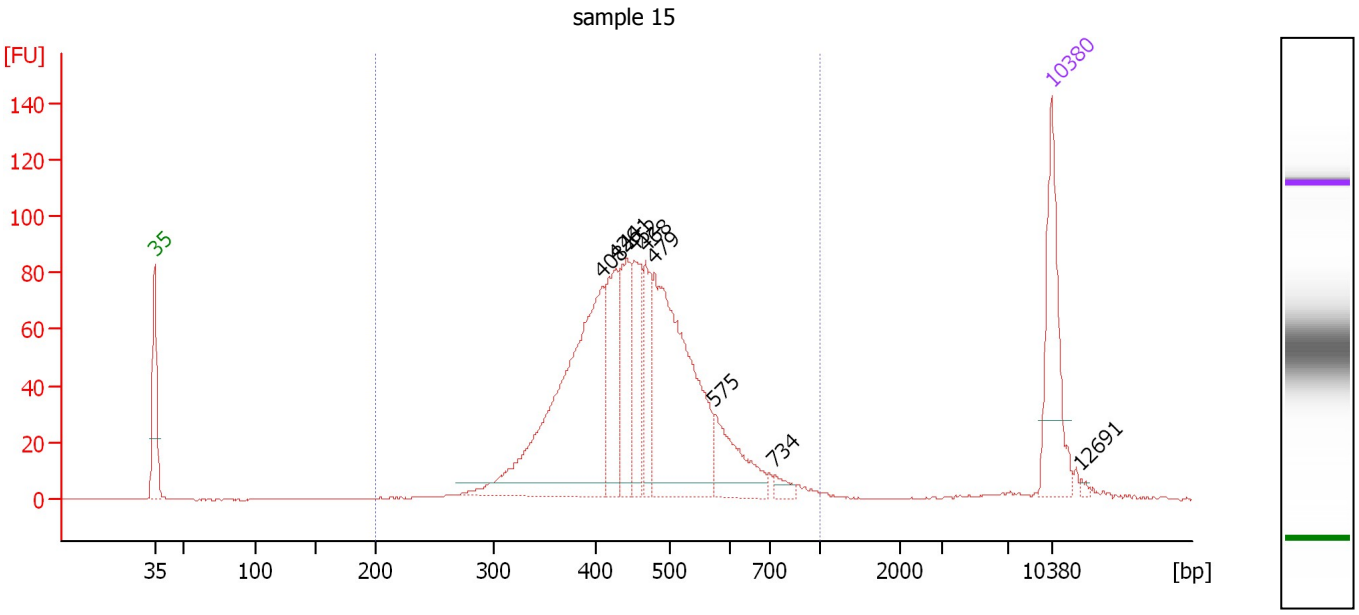
**Region table for sample 1 : sample 14**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/µl] |
|---|---|---|---|---|---|---|---|
| 200 | 498 | 1,000 | 2,155.9 | 5,480.3 | 96 | 23.3 | 1,691.48 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad

Created: 9/18/2015 3:34:30 PM
Modified: 9/18/2015 4:14:58 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 2 : sample 15**

| | | | |
|---|---|---|---|
| Number of peaks found: | 9 | Corr. Area 1: | 1,305.3 |
| Noise: | 0.1 | | |

**Peak table for sample 2 : sample 15**

| 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 | 408 | 312.65 | 1,160.4 | | 77.95 |
| 3 | 426 | 83.61 | 297.4 | | 78.97 |
| 4 | 441 | 71.78 | 246.4 | | 79.84 |
| 5 | 452 | 75.29 | 252.5 | | 80.44 |
| 6 | 468 | 54.15 | 175.3 | | 81.36 |
| 7 | 479 | 255.15 | 806.6 | | 82.01 |
| 8 | 575 | 61.32 | 161.7 | | 86.70 |
| 9 | 734 | 8.96 | 18.5 | | 91.40 |
| 10 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 11 | 12,691 | 0.00 | 0.0 | | 115.30 |

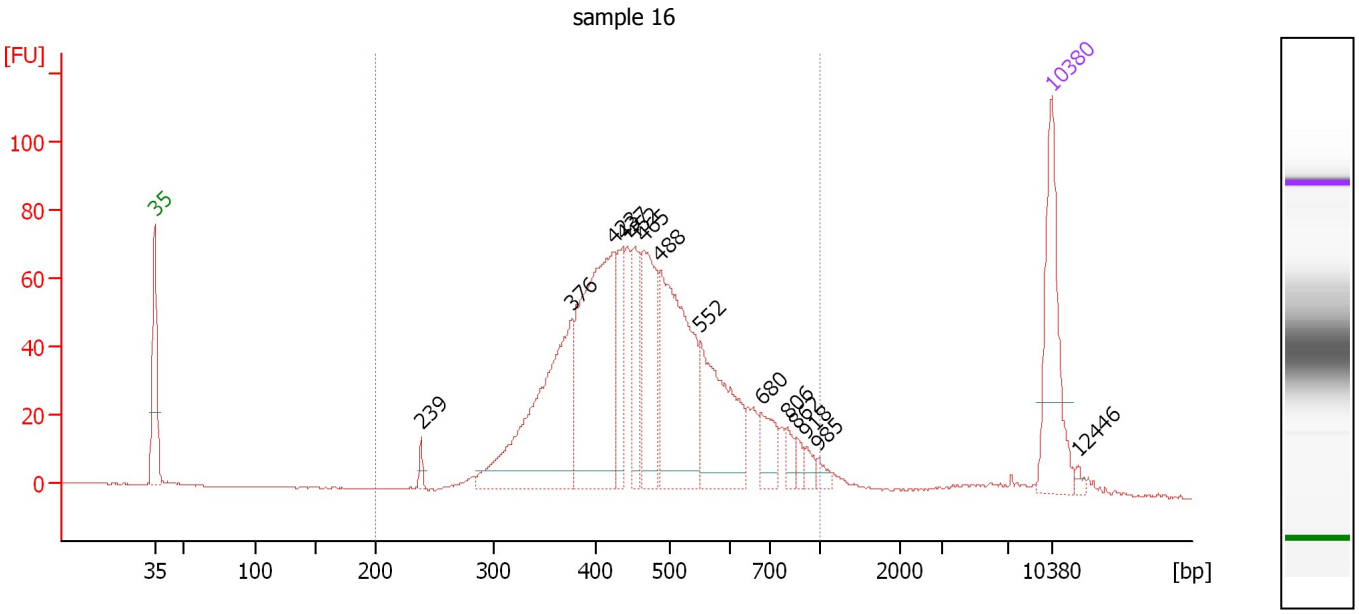
**Region table for sample 2 : sample 15**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/µl] |
|---|---|---|---|---|---|---|---|
| 200 | 460 | 1,000 | 1,305.3 | 3,457.6 | 96 | 21.2 | 994.78 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad

Created: 9/18/2015 3:34:30 PM
Modified: 9/18/2015 4:14:58 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 3 : sample 16**

| | | | |
|---|---|---|---|
| Number of peaks found: | 14 | Corr. Area 1: | 1,321.5 |
| Noise: | 0.2 | | |

**Peak table for sample 3 : sample 16**

| 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 | 239 | 7.07 | 44.9 | | 63.82 |
| 3 | 376 | 203.67 | 820.4 | | 75.57 |
| 4 | 423 | 229.41 | 821.7 | | 78.80 |
| 5 | 437 | 47.19 | 163.6 | | 79.59 |
| 6 | 452 | 53.78 | 180.4 | | 80.43 |
| 7 | 465 | 91.91 | 299.6 | | 81.18 |
| 8 | 488 | 178.65 | 554.9 | | 82.49 |
| 9 | 552 | 111.23 | 305.4 | | 85.63 |
| 10 | 680 | 28.83 | 64.2 | | 90.35 |
| 11 | 806 | 10.59 | 19.9 | | 92.36 |
| 12 | 862 | 7.52 | 13.2 | | 93.11 |
| 13 | 918 | 7.62 | 12.6 | | 93.86 |
| 14 | 985 | 6.47 | 10.0 | | 94.75 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 16 | 12,446 | 0.00 | 0.0 | | 115.06 |

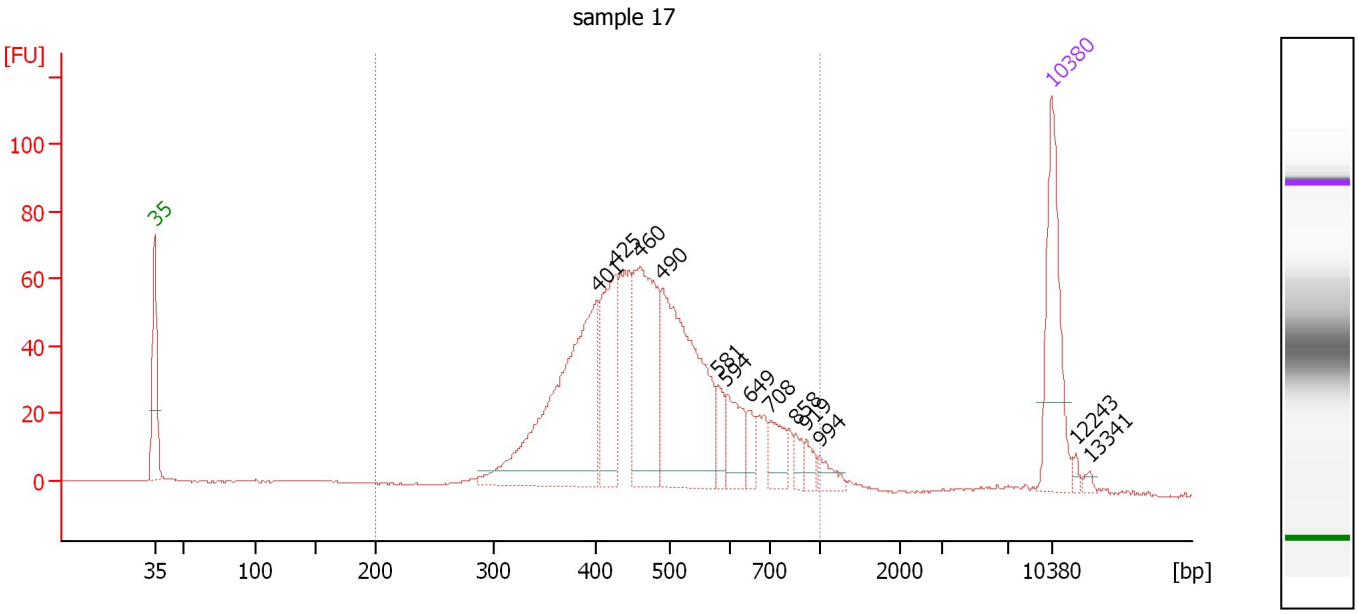
**Region table for sample 3 : sample 16**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/µl] |
|---|---|---|---|---|---|---|---|
| 200 | 482 | 1,000 | 1,321.5 | 3,785.9 | 95 | 26.5 | 1,111.14 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad

Created: 9/18/2015 3:34:30 PM
Modified: 9/18/2015 4:14:58 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 4 : sample 17**

| | | | |
|---|---|---|---|
| Number of peaks found: | 13 | Corr. Area 1: | 1,163.1 |
| Noise: | 0.2 | | |

**Peak table for sample 4 : sample 17**

| 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 | 401 | 245.04 | 925.6 | | 77.55 |
| 3 | 425 | 97.36 | 346.8 | | 78.93 |
| 4 | 460 | 144.51 | 475.6 | | 80.93 |
| 5 | 490 | 204.67 | 632.3 | | 82.64 |
| 6 | 581 | 18.06 | 47.1 | | 87.02 |
| 7 | 594 | 38.21 | 97.4 | | 87.64 |
| 8 | 649 | 13.64 | 31.8 | | 89.40 |
| 9 | 708 | 24.75 | 53.0 | | 91.06 |
| 10 | 858 | 9.17 | 16.2 | | 93.06 |
| 11 | 919 | 10.00 | 16.5 | | 93.87 |
| 12 | 994 | 11.00 | 16.8 | | 94.87 |
| 13 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 14 | 12,243 | 0.00 | 0.0 | | 114.86 |
| 15 | 13,341 | 0.00 | 0.0 | | 115.95 |

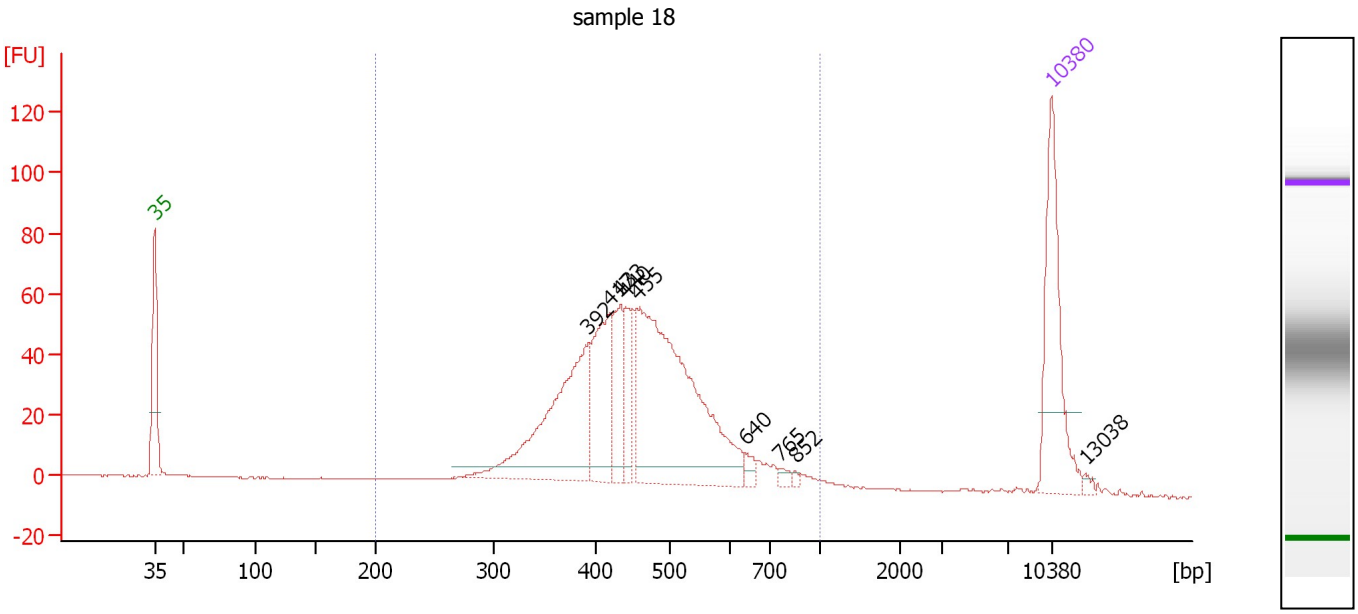
**Region table for sample 4 : sample 17**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/µl] |
|---|---|---|---|---|---|---|---|
| 200 | 492 | 1,000 | 1,163.1 | 3,260.7 | 92 | 26.9 | 972.96 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad

Created: 9/18/2015 3:34:30 PM
Modified: 9/18/2015 4:14:58 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 5 : sample 18**

| | | | |
|---|---|---|---|
| Number of peaks found: | 9 | Corr. Area 1: | 947.5 |
| Noise: | 0.2 | | |

**Peak table for sample 5 : sample 18**

| 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 | 392 | 154.01 | 595.2 | | 76.84 |
| 3 | 417 | 78.59 | 285.2 | | 78.48 |
| 4 | 433 | 47.13 | 165.0 | | 79.35 |
| 5 | 440 | 34.78 | 119.7 | | 79.78 |
| 6 | 455 | 257.52 | 856.6 | | 80.65 |
| 7 | 640 | 6.95 | 16.5 | | 89.12 |
| 8 | 765 | 4.23 | 8.4 | | 91.82 |
| 9 | 852 | 2.09 | 3.7 | | 92.97 |
| 10 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 11 | 13,038 | 0.00 | 0.0 | | 115.65 |

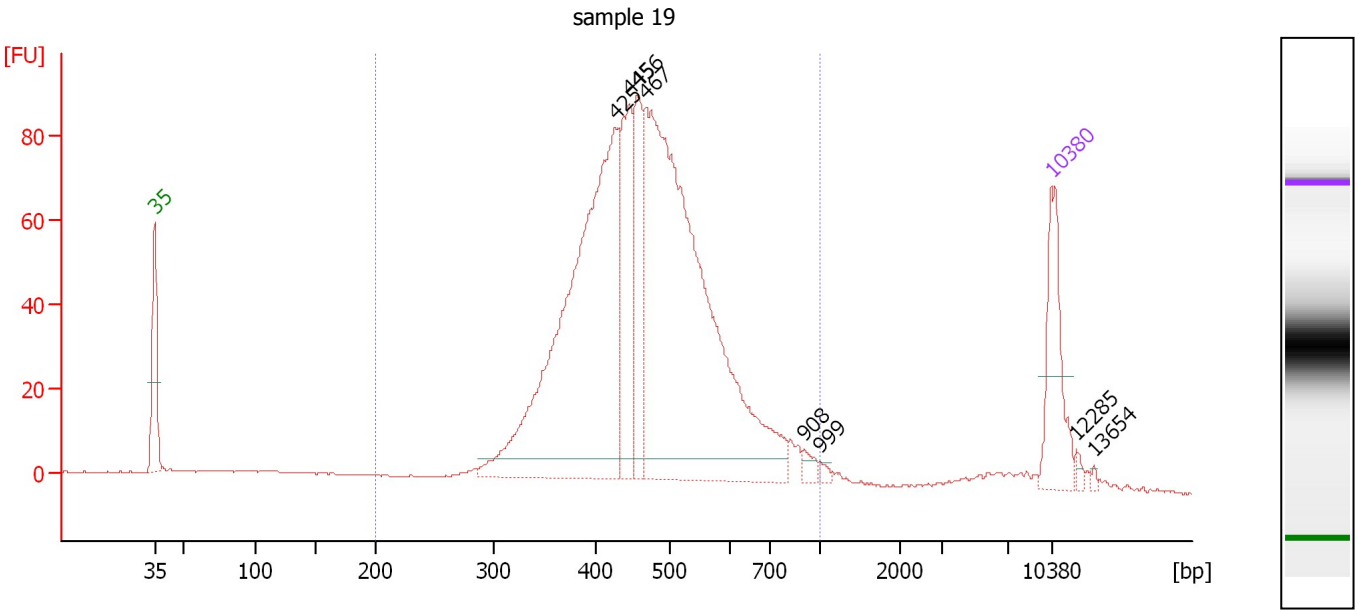
**Region table for sample 5 : sample 18**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/µl] |
|---|---|---|---|---|---|---|---|
| 200 | 462 | 1,000 | 947.5 | 2,304.6 | 95 | 23.0 | 659.27 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad

Created: 9/18/2015 3:34:30 PM
Modified: 9/18/2015 4:14:58 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 6 : sample 19**

| | | | |
|---|---|---|---|
| Number of peaks found: | 8 | Corr. Area 1: | 1,400.7 |
| Noise: | 0.2 | | |

**Peak table for sample 6 : sample 19**

| 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 | 425 | 616.57 | 2,196.7 | | 78.92 |
| 3 | 445 | 147.68 | 502.9 | | 80.04 |
| 4 | 456 | 117.00 | 388.8 | | 80.68 |
| 5 | 467 | 758.52 | 2,460.4 | | 81.31 |
| 6 | 908 | 9.23 | 15.4 | | 93.72 |
| 7 | 999 | 4.47 | 6.8 | | 94.94 |
| 8 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 9 | 12,285 | 0.00 | 0.0 | | 114.90 |
| 10 | 13,654 | 0.00 | 0.0 | | 116.26 |

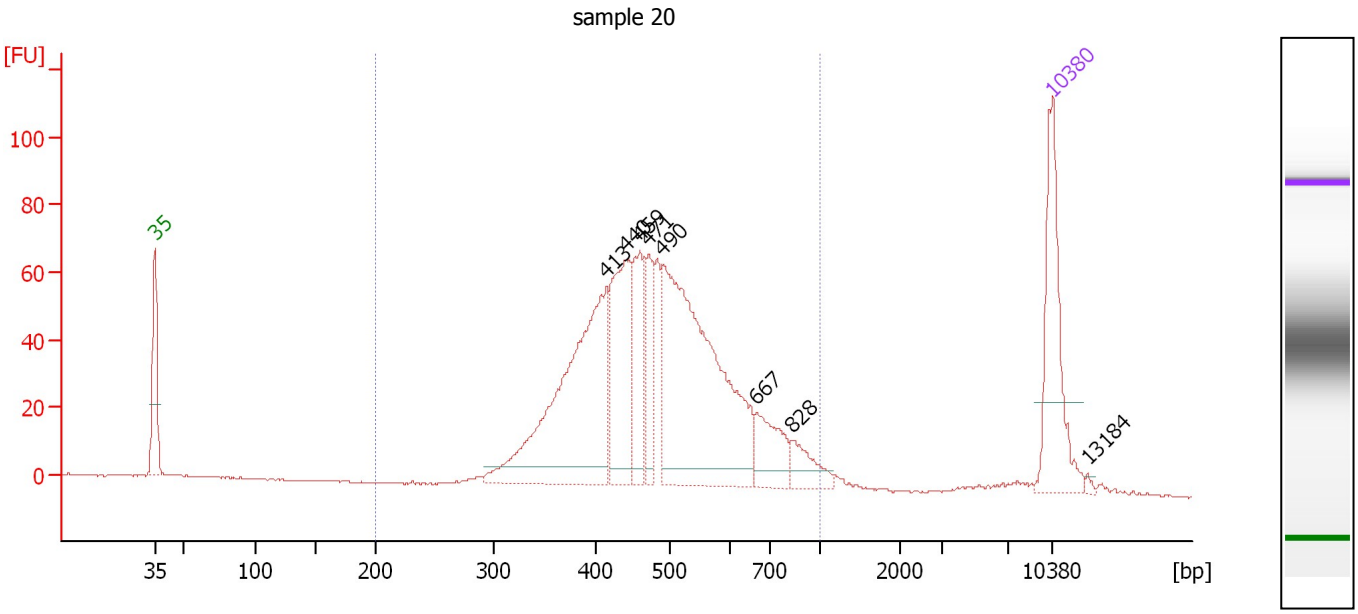
**Region table for sample 6 : sample 19**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/µl] |
|---|---|---|---|---|---|---|---|
| 200 | 475 | 1,000 | 1,400.7 | 5,885.5 | 92 | 22.9 | 1,733.39 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad

Created: 9/18/2015 3:34:30 PM
Modified: 9/18/2015 4:14:58 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 7 : sample 20**

| | | | |
|---|---|---|---|
| Number of peaks found: | 8 | Corr. Area 1: | 1,155.6 |
| Noise: | 0.2 | | |

**Peak table for sample 7 : sample 20**

| 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 | 413 | 250.14 | 916.9 | | 78.25 |
| 3 | 440 | 110.14 | 379.3 | | 79.76 |
| 4 | 459 | 69.12 | 228.2 | | 80.84 |
| 5 | 471 | 45.39 | 146.0 | | 81.53 |
| 6 | 490 | 303.92 | 940.0 | | 82.61 |
| 7 | 667 | 42.04 | 95.4 | | 89.96 |
| 8 | 828 | 24.10 | 44.1 | | 92.66 |
| 9 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 10 | 13,184 | 0.00 | 0.0 | | 115.79 |

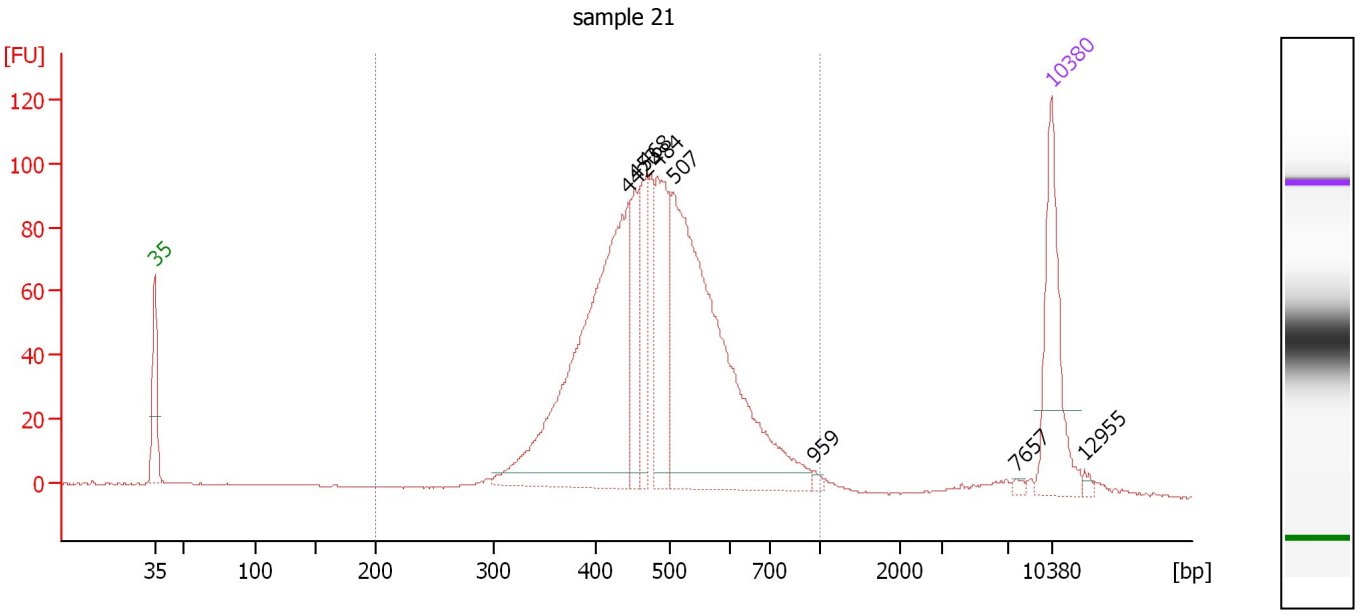
**Region table for sample 7 : sample 20**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/µl] |
|---|---|---|---|---|---|---|---|
| 200 | 494 | 1,000 | 1,155.6 | 2,942.6 | 95 | 24.4 | 896.40 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad

Created: 9/18/2015 3:34:30 PM
Modified: 9/18/2015 4:14:58 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 8 : sample 21**

| | | | |
|---|---|---|---|
| Number of peaks found: | 8 | Corr. Area 1: | 1,445.3 |
| Noise: | 0.1 | | |

**Peak table for sample 8 : sample 21**

| 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 | 442 | 379.86 | 1,301.1 | | 79.90 |
| 3 | 453 | 55.69 | 186.4 | | 80.49 |
| 4 | 468 | 57.12 | 184.8 | | 81.38 |
| 5 | 484 | 103.76 | 324.9 | | 82.27 |
| 6 | 507 | 389.87 | 1,165.9 | | 83.50 |
| 7 | 959 | 3.44 | 5.4 | | 94.40 |
| 8 | 7,657 | 2.53 | 0.5 | | 110.29 |
| 9 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 10 | 12,955 | 0.00 | 0.0 | | 115.57 |

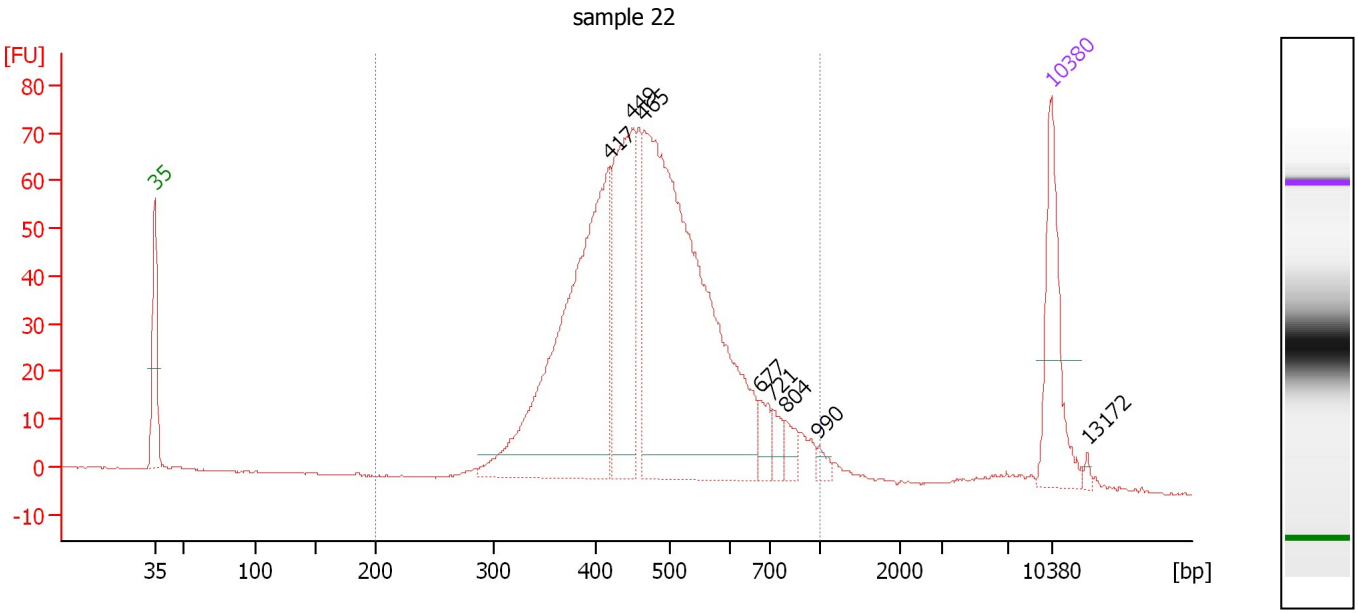
**Region table for sample 8 : sample 21**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/µl] |
|---|---|---|---|---|---|---|---|
| 200 | 490 | 1,000 | 1,445.3 | 3,474.3 | 96 | 21.2 | 1,064.62 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad

Created: 9/18/2015 3:34:30 PM
Modified: 9/18/2015 4:14:58 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 9 : sample 22**

| | | | |
|---|---|---|---|
| Number of peaks found: | 8 | Corr. Area 1: | 1,162.3 |
| Noise: | 0.2 | | |

**Peak table for sample 9 : sample 22**

| 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 | 417 | 410.34 | 1,489.8 | | 78.47 |
| 3 | 449 | 200.04 | 675.5 | | 80.26 |
| 4 | 465 | 584.28 | 1,902.8 | | 81.20 |
| 5 | 677 | 19.61 | 43.9 | | 90.25 |
| 6 | 721 | 14.15 | 29.7 | | 91.24 |
| 7 | 804 | 15.92 | 30.0 | | 92.33 |
| 8 | 990 | 7.38 | 11.3 | | 94.82 |
| 9 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 10 | 13,172 | 0.00 | 0.0 | | 115.78 |

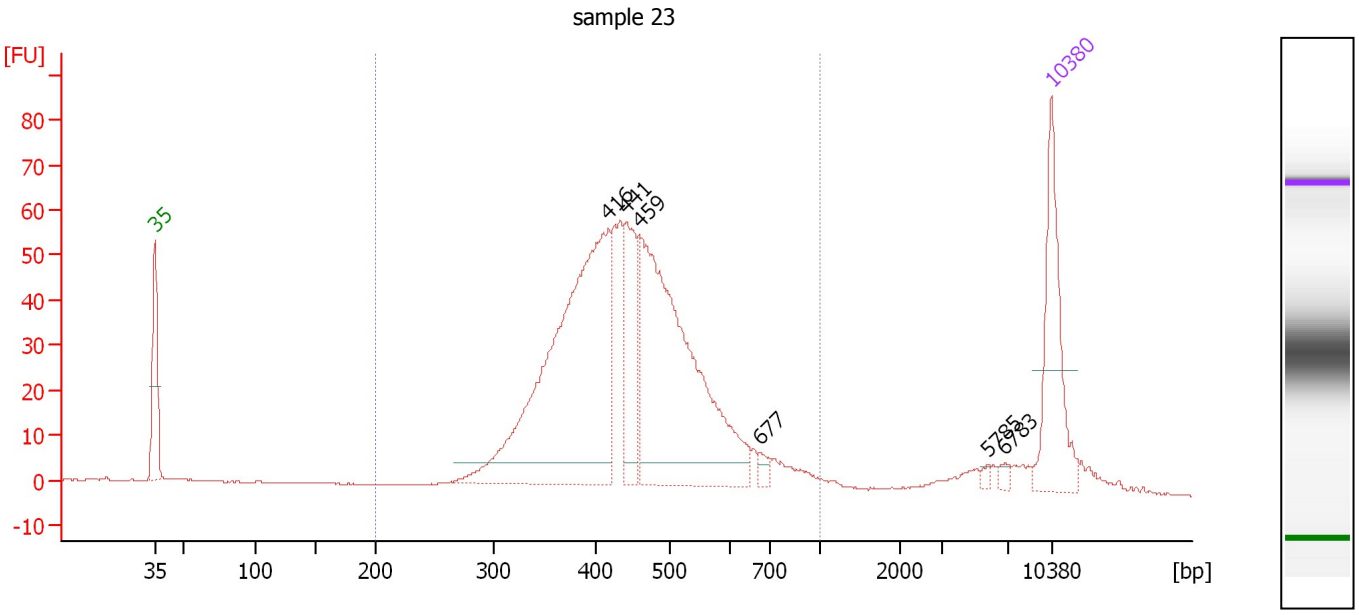
**Region table for sample 9 : sample 22**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/µl] |
|---|---|---|---|---|---|---|---|
| 200 | 485 | 1,000 | 1,162.3 | 4,471.7 | 95 | 24.0 | 1,344.21 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad

Created: 9/18/2015 3:34:30 PM
Modified: 9/18/2015 4:14:58 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 10 : sample 23**

| | | | |
|---|---|---|---|
| Number of peaks found: | 6 | Corr. Area 1: | 927.1 |
| Noise: | 0.1 | | |

**Peak table for sample 10 : sample 23**

| 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 | 416 | 403.11 | 1,468.0 | | 78.40 |
| 3 | 441 | 79.98 | 275.0 | | 79.80 |
| 4 | 459 | 337.55 | 1,114.2 | | 80.85 |
| 5 | 677 | 6.89 | 15.4 | | 90.25 |
| 6 | 5,785 | 2.71 | 0.7 | | 108.05 |
| 7 | 6,783 | 4.16 | 0.9 | | 109.35 |
| 8 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

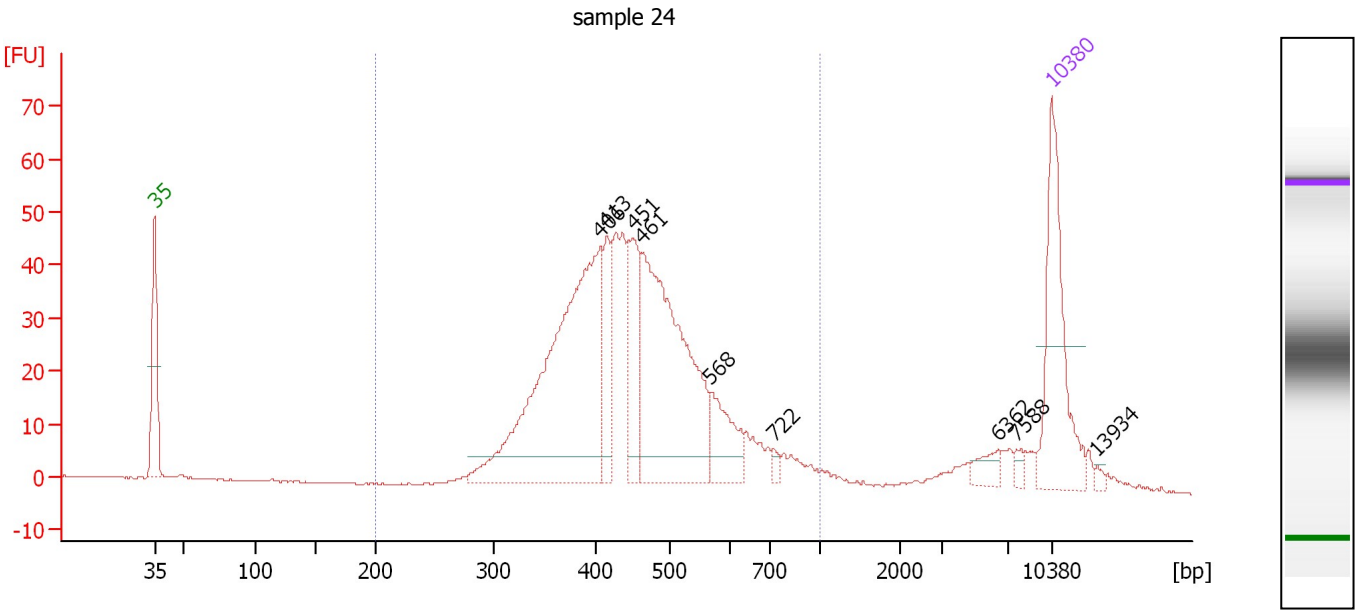
**Region table for sample 10 : sample 23**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/µl] |
|---|---|---|---|---|---|---|---|
| 200 | 454 | 1,000 | 927.1 | 3,484.9 | 92 | 22.8 | 985.37 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad

Created: 9/18/2015 3:34:30 PM
Modified: 9/18/2015 4:14:58 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 11 : sample 24**

| | | | |
|---|---|---|---|
| Number of peaks found: | 9 | Corr. Area 1: | 752.0 |
| Noise: | 0.2 | | |

**Peak table for sample 11 : sample 24**

| 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 | 406 | 295.60 | 1,104.5 | | 77.80 |
| 3 | 413 | 41.35 | 151.5 | | 78.25 |
| 4 | 451 | 58.50 | 196.6 | | 80.38 |
| 5 | 461 | 220.01 | 722.5 | | 80.98 |
| 6 | 568 | 39.61 | 105.6 | | 86.40 |
| 7 | 722 | 4.63 | 9.7 | | 91.25 |
| 8 | 6,362 | 10.70 | 2.5 | | 108.80 |
| 9 | 7,588 | 4.22 | 0.8 | | 110.22 |
| 10 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 11 | 13,934 | 0.00 | 0.0 | | 116.54 |

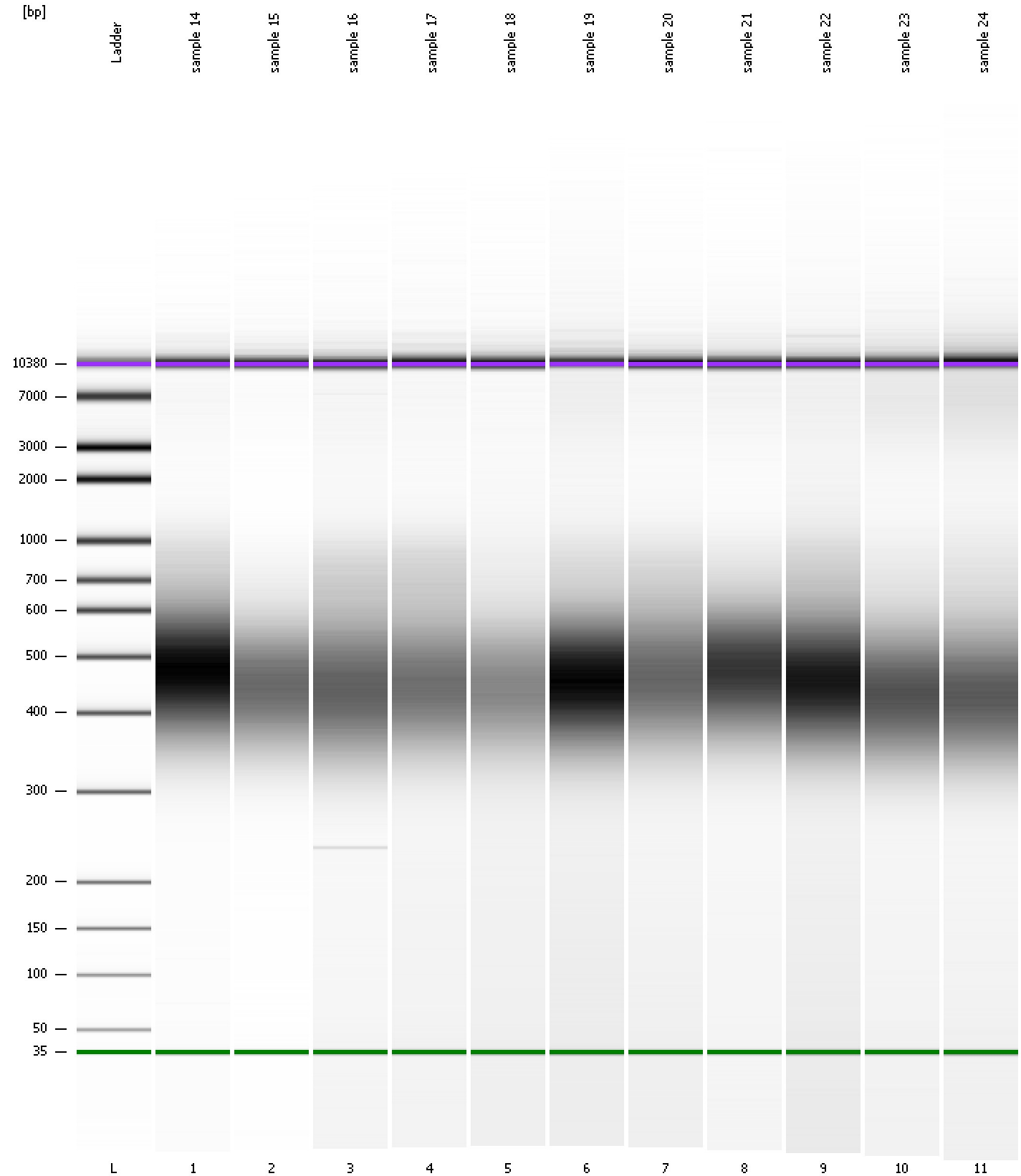
**Region table for sample 11 : sample 24**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/µl] |
|---|---|---|---|---|---|---|---|
| 200 | 460 | 1,000 | 752.0 | 2,869.0 | 90 | 23.9 | 818.47 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad

Created: 9/18/2015 3:34:30 PM
Modified: 9/18/2015 4:14:58 PM

**Gel Image**

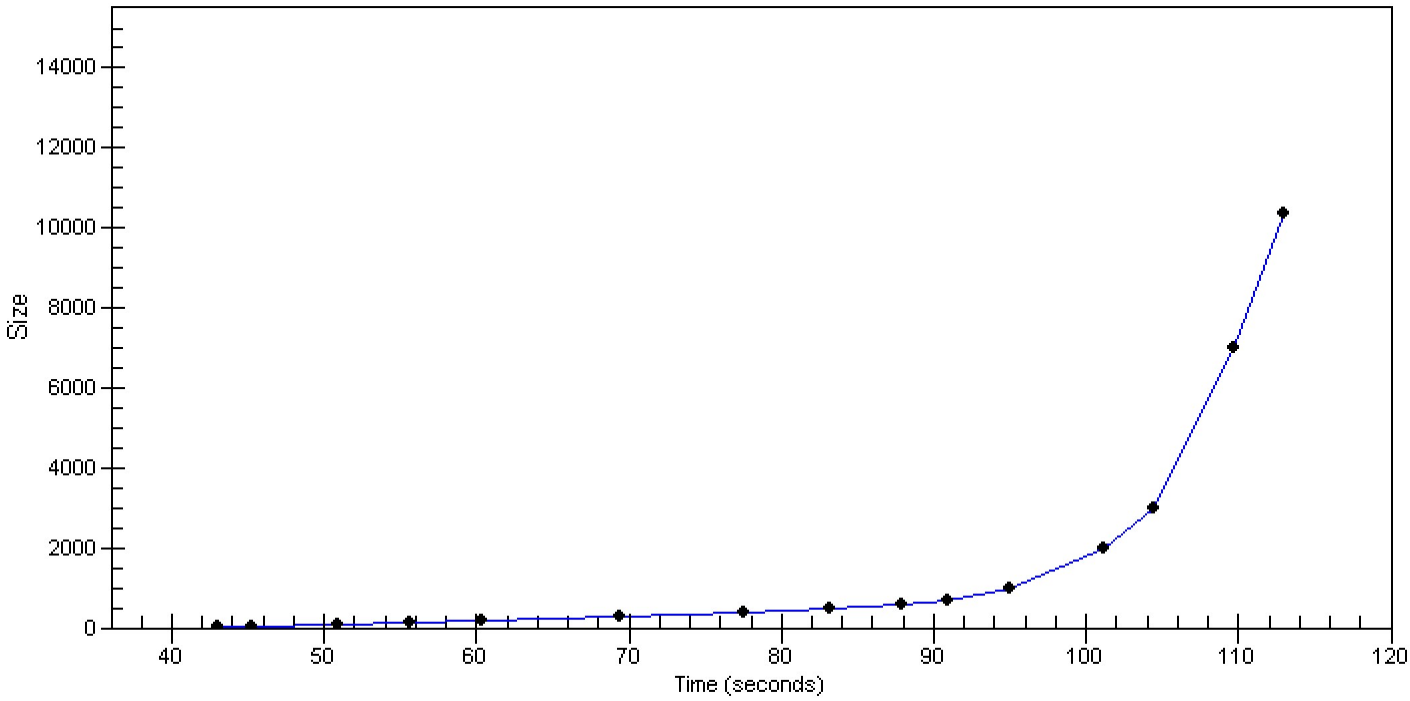


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad

Created: 9/18/2015 3:34:30 PM
Modified: 9/18/2015 4:14:58 PM

## Curves

### Standard Curve



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad

Created: 9/18/2015 3:34:30 PM
Modified: 9/18/2015 4:14:58 PM

## Run Logbook

| Description | Number | Source | Category | Sub Category | Time | Time Zone | User | Host |
|---|---|---|---|---|---|---|---|---|
| Run ended on port 1 (Number of wells acquired: 12) | | Instrument | Run | | 9/18/2015 4:14:57 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-09-18\2015-09-18_002.xad) | | Instrument | Run | | 9/18/2015 3:34:36 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 9/18/2015 3:34:36 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 9/18/2015 3:34:36 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 9/18/2015 3:34:36 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 9/18/2015 3:34:36 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 9/18/2015 3:34:36 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 9/18/2015 3:34:36 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |