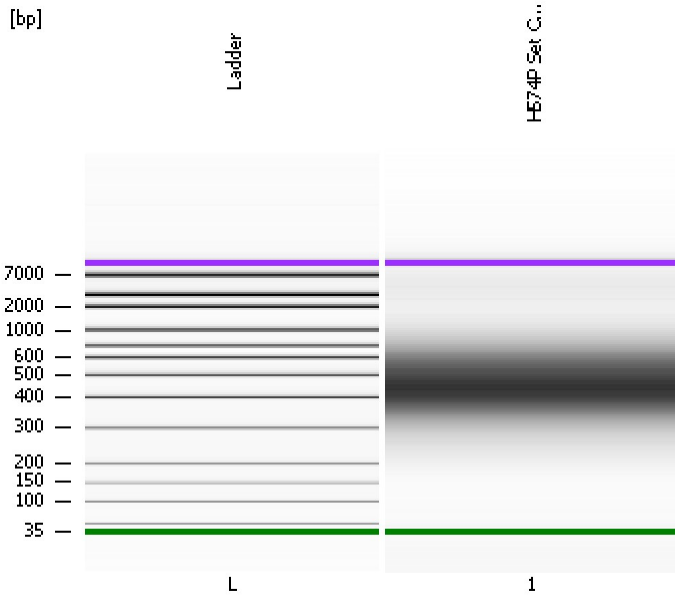


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...yzer\2100 expert\data\2016-08-25\2016-08-25_002_H574P_C.xad

Created: 8/25/2016 11:49:16 AM
Modified: 8/25/2016 4:25:05 PM

Electrophoresis File Run Summary



Instrument Information:

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

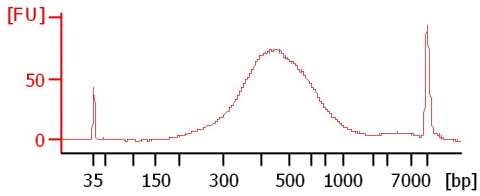
Assay Information:

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:

H574P Set C 0.72X L Size Sel.



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...yzer\2100 expert\data\2016-08-25\2016-08-25_002_H574P_C.xad

Created: 8/25/2016 11:49:16 AM
Modified: 8/25/2016 4:25:05 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|-------------------------------|----------------|--------------------------|--------|--------------------------|--------------|--------------|
| H574P Set C 0.72X L Size Sel. | | <input type="checkbox"/> | ✓ | | | |
| Ladder | | <input type="checkbox"/> | ✓ | | | |
| Chip Lot # | | | | Reagent Kit Lot # | | |

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...yzer\2100 expert\data\2016-08-25\2016-08-25_002_H574P_C.xad

Created: 8/25/2016 11:49:16 AM
Modified: 8/25/2016 4:25:05 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

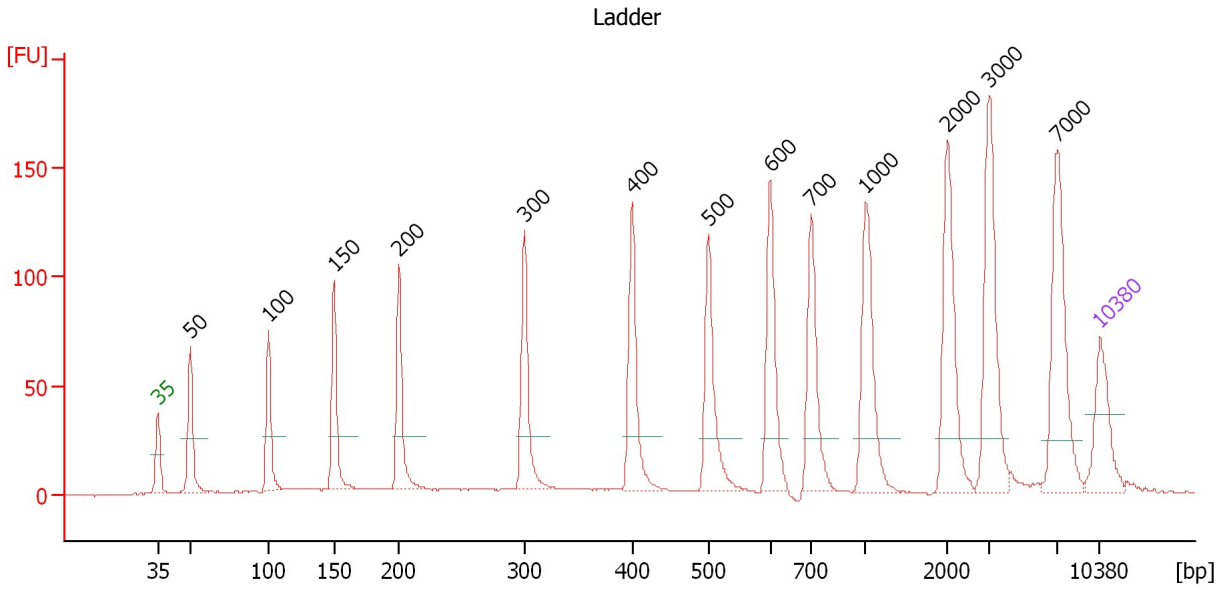
Ladder

| 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:\...yzer\2100 expert\data\2016-08-25\2016-08-25_002_H574P_C.xad

Created: 8/25/2016 11:49:16 AM
 Modified: 8/25/2016 4:25:05 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

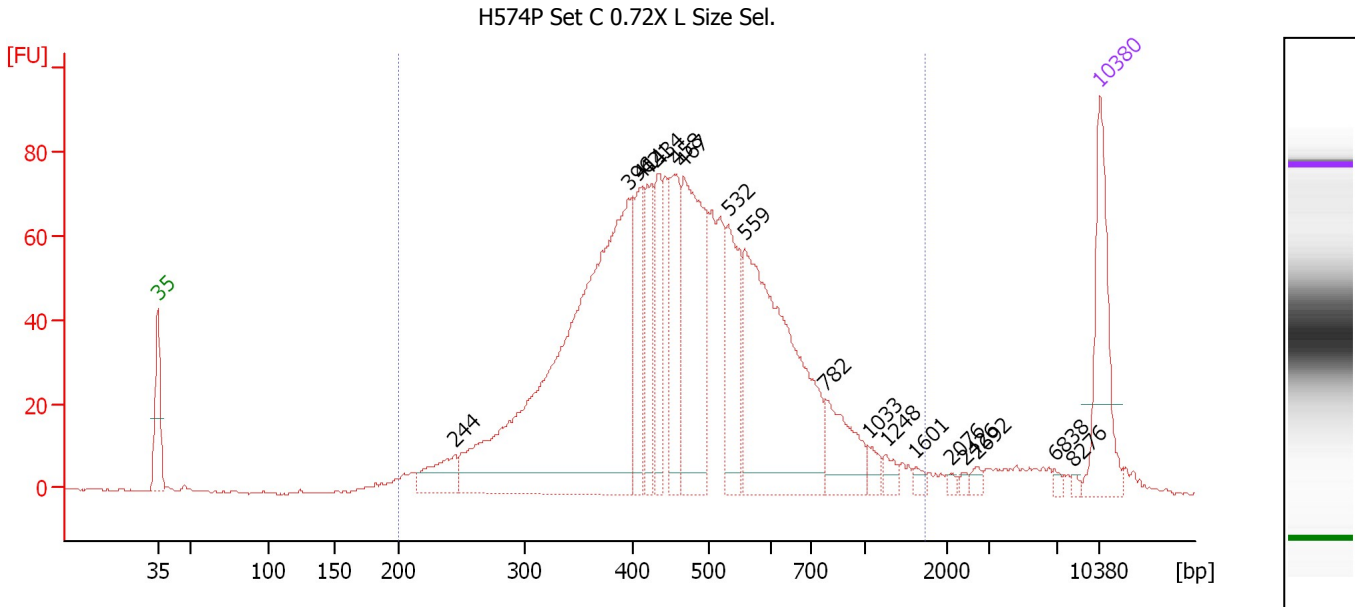
Peak table for Ladder

| 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 | 45.45 |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak | 51.23 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 56.09 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.95 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 70.25 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 78.23 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 83.91 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 88.51 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 91.52 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 95.62 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.65 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.77 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.83 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...yzer\2100 expert\data\2016-08-25\2016-08-25_002_H574P_C.xad

Created: 8/25/2016 11:49:16 AM
 Modified: 8/25/2016 4:25:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : H574P Set C 0.72X L Size Sel.

Number of peaks found: 18 Corr. Area 1: 1,663.7
 Noise: 0.3

Peak table for sample 1 : H574P Set C 0.72X L Size Sel.

| 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 | 244 | 44.68 | 277.1 | | 65.07 |
| 3 | 396 | 623.30 | 2,382.0 | | 77.95 |
| 4 | 411 | 80.06 | 295.4 | | 78.83 |
| 5 | 421 | 70.10 | 252.5 | | 79.40 |
| 6 | 434 | 71.05 | 247.8 | | 80.18 |
| 7 | 458 | 91.61 | 303.0 | | 81.53 |
| 8 | 467 | 191.98 | 622.5 | | 82.05 |
| 9 | 532 | 92.40 | 263.2 | | 85.37 |
| 10 | 559 | 306.12 | 829.7 | | 86.62 |
| 11 | 782 | 59.00 | 114.3 | | 92.64 |
| 12 | 1,033 | 10.59 | 15.5 | | 95.81 |
| 13 | 1,248 | 9.43 | 11.4 | | 97.11 |
| 14 | 1,601 | 5.50 | 5.2 | | 99.24 |
| 15 | 2,076 | 3.29 | 2.4 | | 101.89 |
| 16 | 2,426 | 3.47 | 2.2 | | 102.98 |
| 17 | 2,692 | 4.60 | 2.6 | | 103.81 |
| 18 | 6,838 | 3.59 | 0.8 | | 109.62 |
| 19 | 8,276 | 2.43 | 0.4 | | 111.03 |
| 20 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

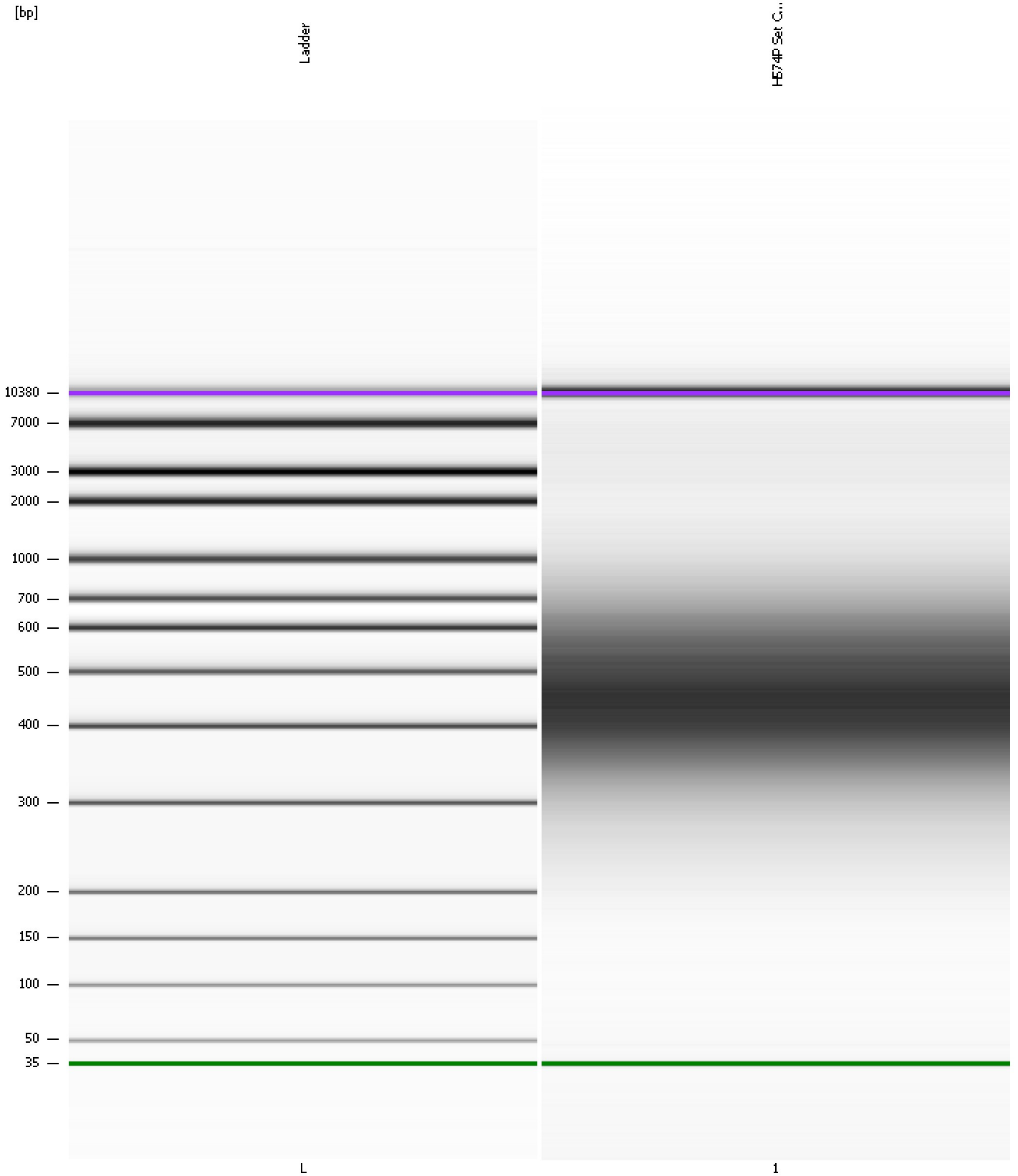
Region table for sample 1 : H574P Set C 0.72X L Size Sel.

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|------------------|------------|-----------------------------|
| 200 | 1,733 | 494 | 1,663.7 | 6,707.3 | 1,884.44 | 95 | 39.3 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...yzer\2100 expert\data\2016-08-25\2016-08-25_002_H574P_C.xad

Created: 8/25/2016 11:49:16 AM
Modified: 8/25/2016 4:25:05 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...yzer\2100 expert\data\2016-08-25\2016-08-25_002_H574P_C.xad

Created: 8/25/2016 11:49:16 AM
 Modified: 8/25/2016 4:25:05 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 | | 8/25/2016 12:29:44 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-08-25\2016-08-25_002.xad) | | Instrument | Run | | 8/25/2016 11:49:22 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 8/25/2016 11:49:22 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 8/25/2016 11:49:22 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 8/25/2016 11:49:22 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 8/25/2016 11:49:21 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 8/25/2016 11:49:21 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 8/25/2016 11:49:21 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |