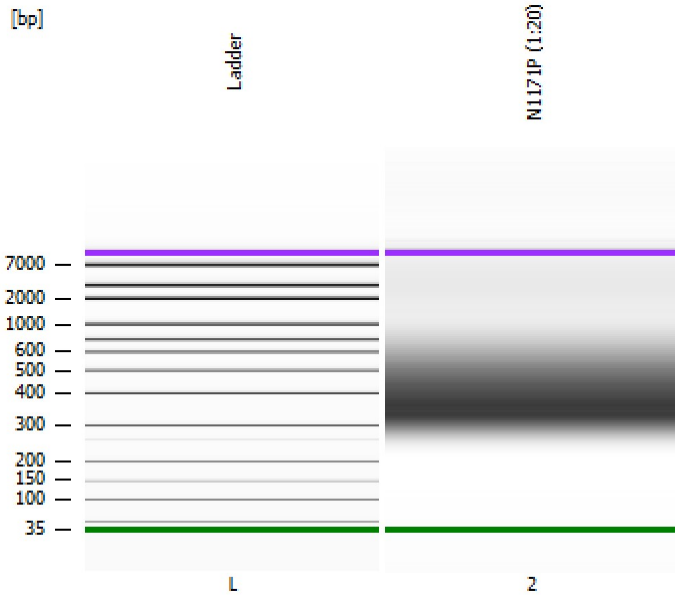


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2024-10-10\N1171P.xad

Created: 10/10/2024 12:40:01 PM
Modified: 10/10/2024 2:55:33 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

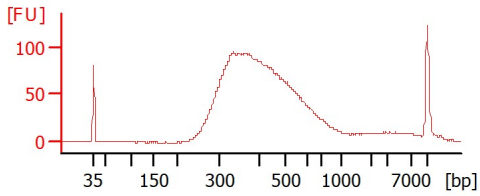
Assay Information:

Assay Origin Path: C:\Program Files (x86)\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:

N1171P (1:20)



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2024-10-10\N1171P.xad

Created: 10/10/2024 12:40:01 PM
Modified: 10/10/2024 2:55:33 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|---------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| N1171P (1:20) | | <input type="checkbox"/> | ✓ | | | |
| Ladder | | <input type="checkbox"/> | ✓ | | | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2024-10-10\N1171P.xad

Created: 10/10/2024 12:40:01 PM
Modified: 10/10/2024 2:55:33 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

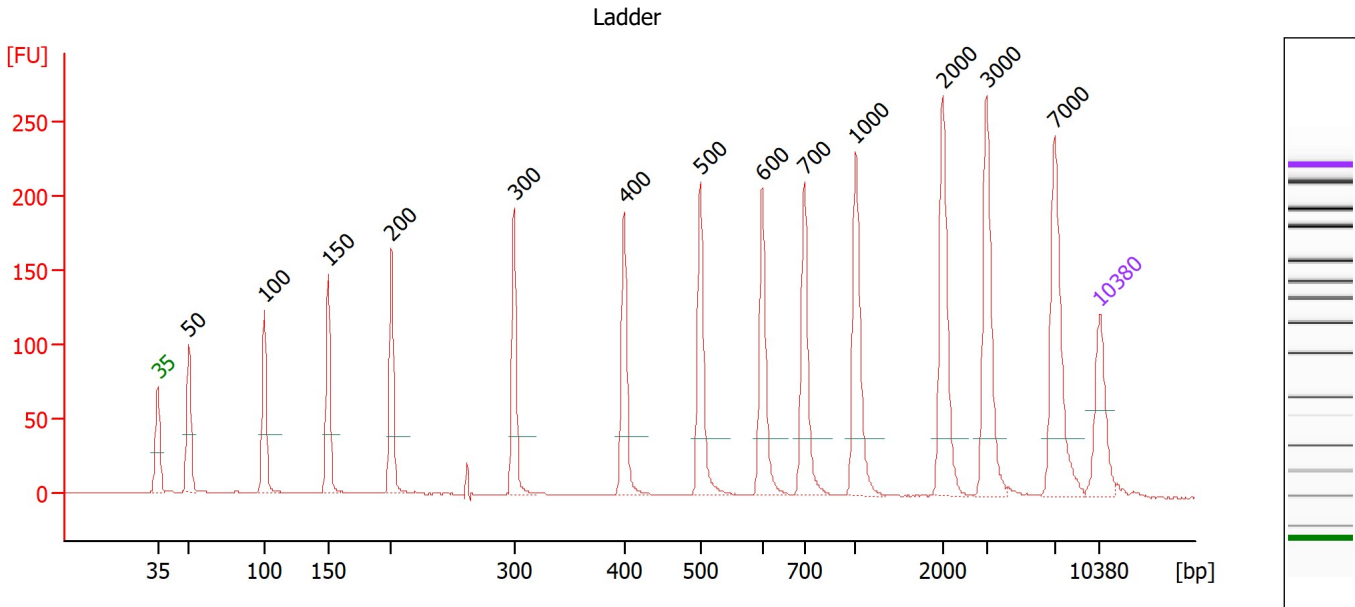
Ladder

| 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:\...ent\2100 bioanalyzer\2100 expert\data\2024-10-10\N1171P.xad

Created: 10/10/2024 12:40:01 PM
 Modified: 10/10/2024 2:55:33 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

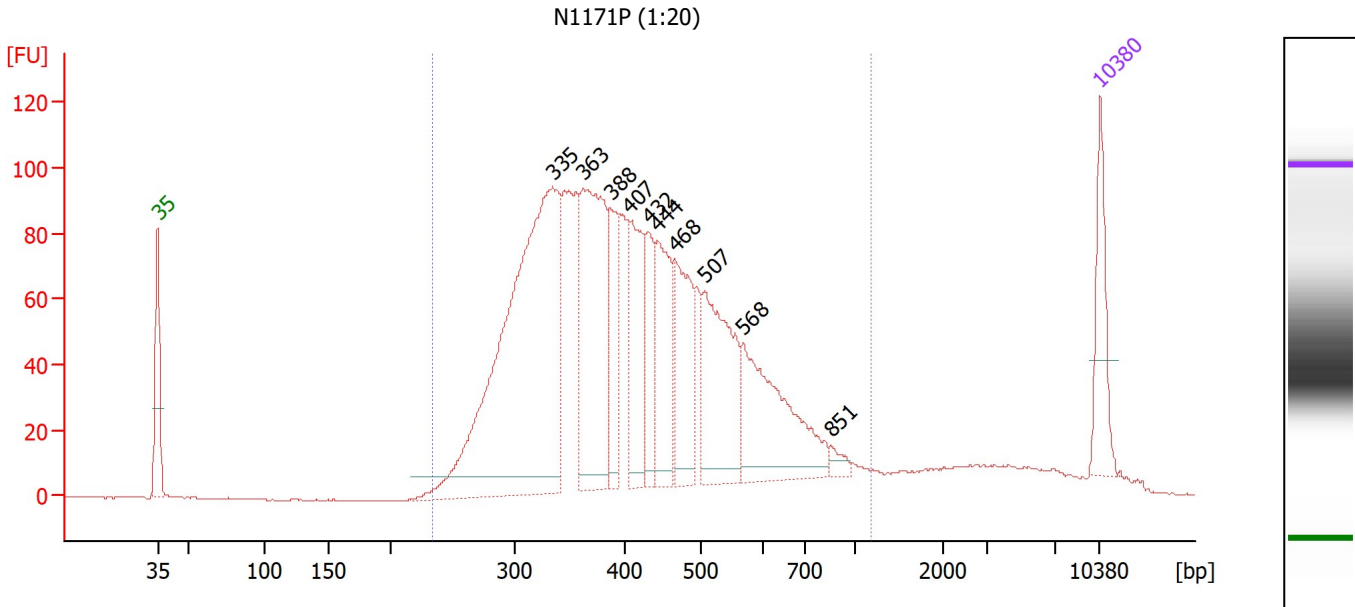
Peak table for Ladder

| 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 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2024-10-10\N1171P.xad

Created: 10/10/2024 12:40:01 PM
 Modified: 10/10/2024 2:55:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : N1171P (1:20)

Number of peaks found: 10 Corr. Area 1: 2,192.5
 Noise: 0.2

Peak table for sample 2 : N1171P (1:20)

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 335 | 849.70 | 3,846.8 | |
| 3 | 363 | 350.42 | 1,462.9 | |
| 4 | 388 | 94.52 | 369.5 | |
| 5 | 407 | 151.37 | 563.8 | |
| 6 | 432 | 99.66 | 349.9 | |
| 7 | 444 | 145.20 | 495.5 | |
| 8 | 468 | 142.93 | 462.9 | |
| 9 | 507 | 220.53 | 658.7 | |
| 10 | 568 | 226.72 | 604.5 | |
| 11 | 851 | 13.62 | 24.2 | |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker |

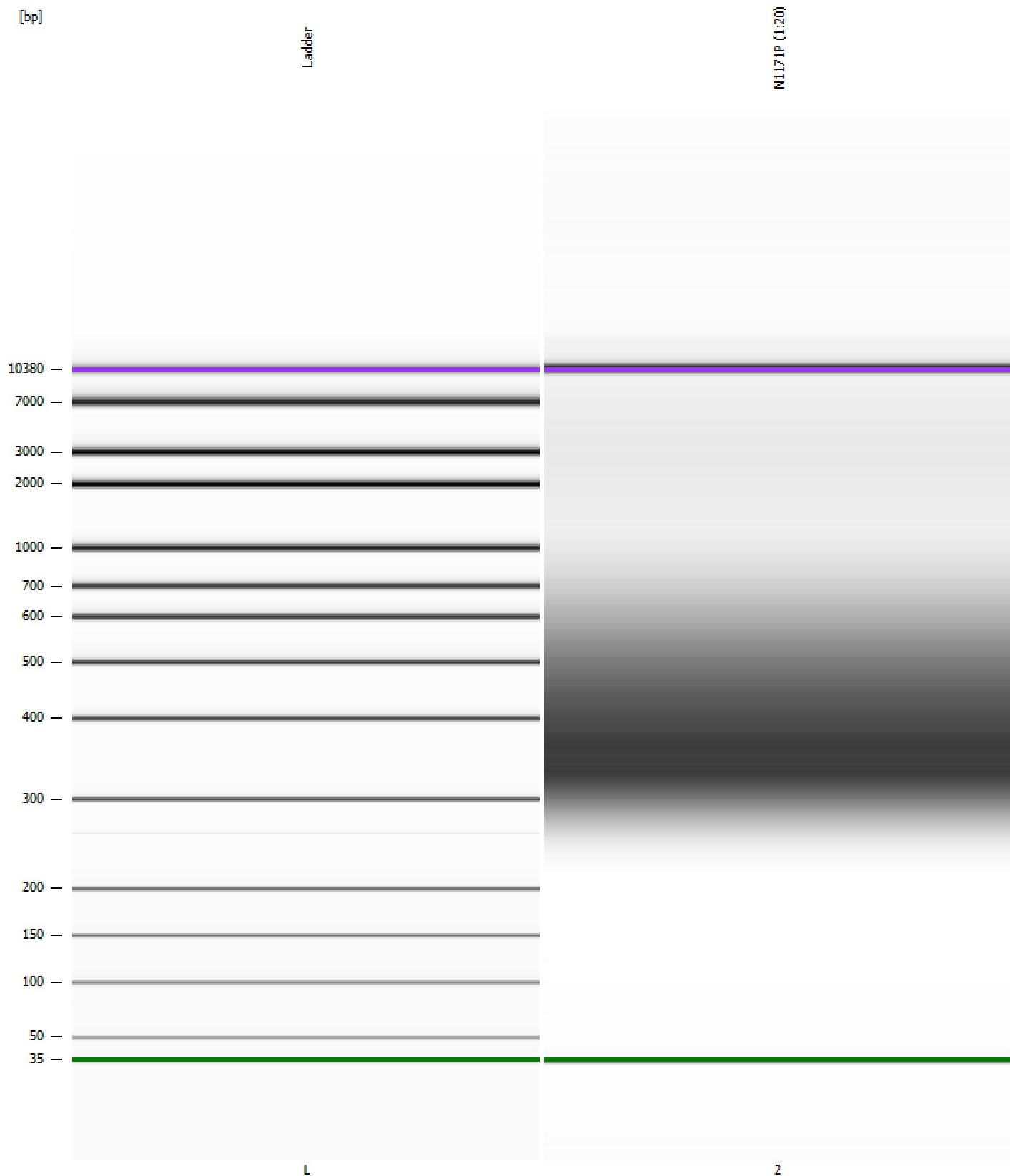
Region table for sample 2 : N1171P (1:20)

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 234 | 1,170 | 2,192.5 | 93 | 433 | 31.1 | 2,886.96 | 11,214.3 | Blue |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2024-10-10\N1171P.xad

Created: 10/10/2024 12:40:01 PM
Modified: 10/10/2024 2:55:33 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2024-10-10\N1171P.xad

Created: 10/10/2024 12:40:01 PM
 Modified: 10/10/2024 2:55:33 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 | | 10/10/2024 1:21:19 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2024-10-10\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-10-10_001.xad) | | Instrument | Run | | 10/10/2024 12:40:13 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Product Number : G2938C | | Instrument | Run | | 10/10/2024 12:40:13 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Name : | | Instrument | Run | | 10/10/2024 12:40:13 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Vendor : Agilent Technologies | | Instrument | Run | | 10/10/2024 12:40:13 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Serial# : DE34903152 | | Instrument | Run | | 10/10/2024 12:40:13 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Firmware : C.01.069 | | Instrument | Run | | 10/10/2024 12:40:13 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Cartridge : Electrode | | Instrument | Run | | 10/10/2024 12:40:13 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |