

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...zer\2100 expert\data\2023-10-19\N937P-N969PPN899P-N976P.xad

Created: 10/19/2023 10:29:51 AM
Modified: 10/19/2023 11:16:47 AM

Electrophoresis File Run Summary

Instrument Information:

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

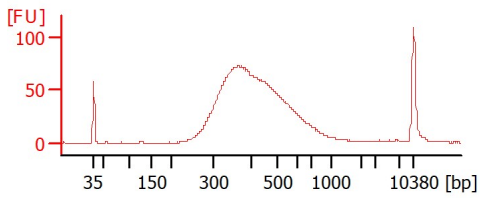
Assay Information:

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

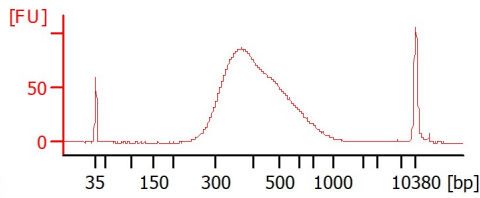
Chip Information:

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

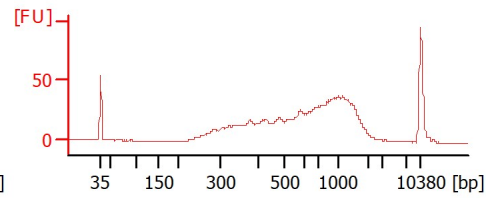
N937P (1:2)



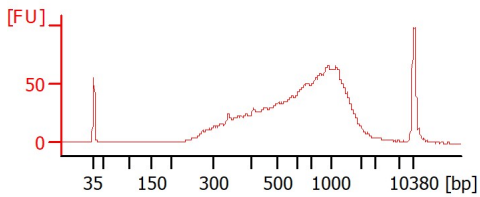
N969P (1:2)



N899P GBS Test



N976P (1:2)



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...zer\2100 expert\data\2023-10-19\N937P-N969PPN899P-N976P.xad

Created: 10/19/2023 10:29:51 AM
 Modified: 10/19/2023 11:16:47 AM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|----------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| N937P (1:2) | | <input type="checkbox"/> | ✓ | | | |
| N969P (1:2) | | <input type="checkbox"/> | ✓ | | | |
| N899P GBS Test | | <input type="checkbox"/> | ✓ | | | |
| N976P (1:2) | | <input type="checkbox"/> | ✓ | | | |
| Ladder | | <input type="checkbox"/> | ✓ | | | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...zer\2100 expert\data\2023-10-19\N937P-N969PPN899P-N976P.xad

Created: 10/19/2023 10:29:51 AM
Modified: 10/19/2023 11:16:47 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/ 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

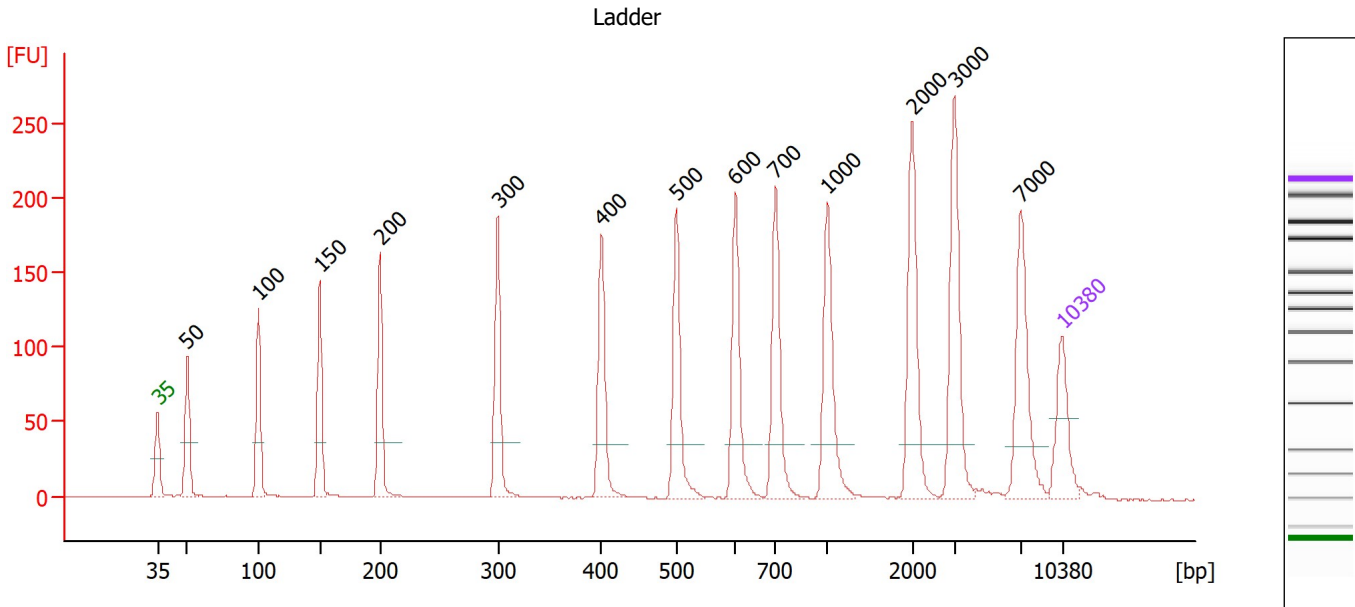
Ladder

| 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:\...zer\2100 expert\data\2023-10-19\N937P-N969PPN899P-N976P.xad

Created: 10/19/2023 10:29:51 AM
 Modified: 10/19/2023 11:16:47 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

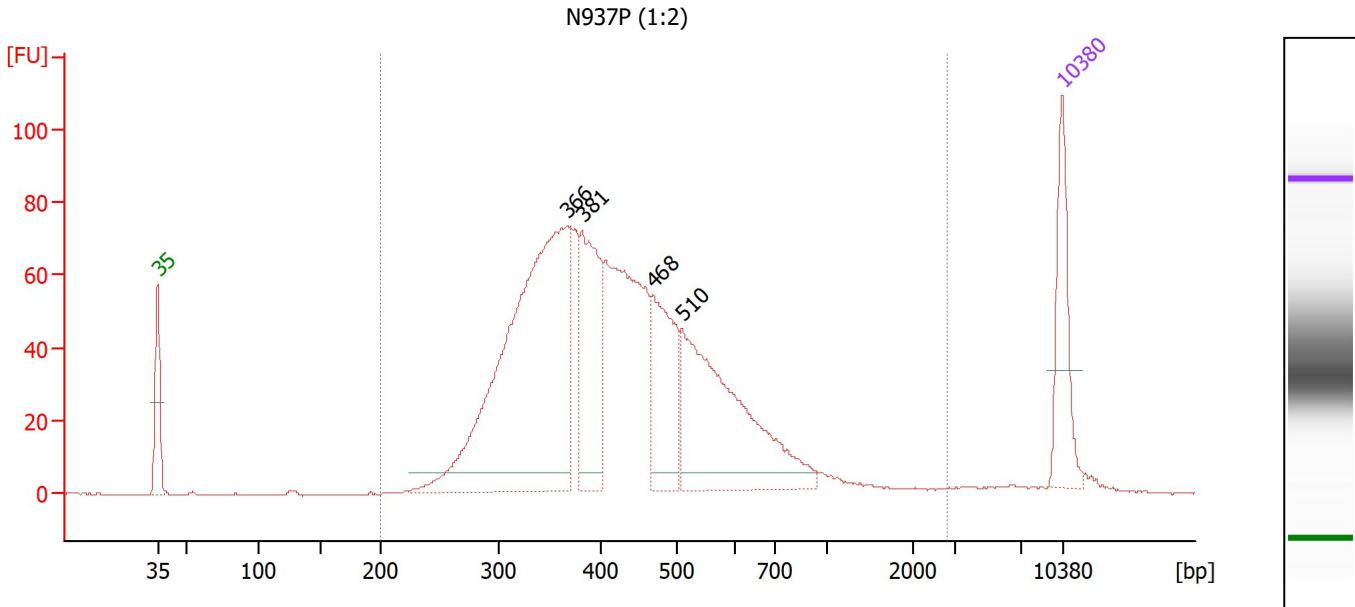
Peak table for Ladder

| 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:\...zer\2100 expert\data\2023-10-19\N937P-N969PPN899P-N976P.xad

Created: 10/19/2023 10:29:51 AM
 Modified: 10/19/2023 11:16:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : N937P (1:2)

Number of peaks found: 4 Corr. Area 1: 1,564.7
 Noise: 0.2

Peak table for sample 1 : N937P (1:2)

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 366 | 645.44 | 2,669.0 | |
| 3 | 381 | 180.56 | 717.1 | |
| 4 | 468 | 147.92 | 479.0 | |
| 5 | 510 | 309.29 | 919.0 | |
| 6 | 10,380 | 75.00 | 10.9 | Upper Marker |

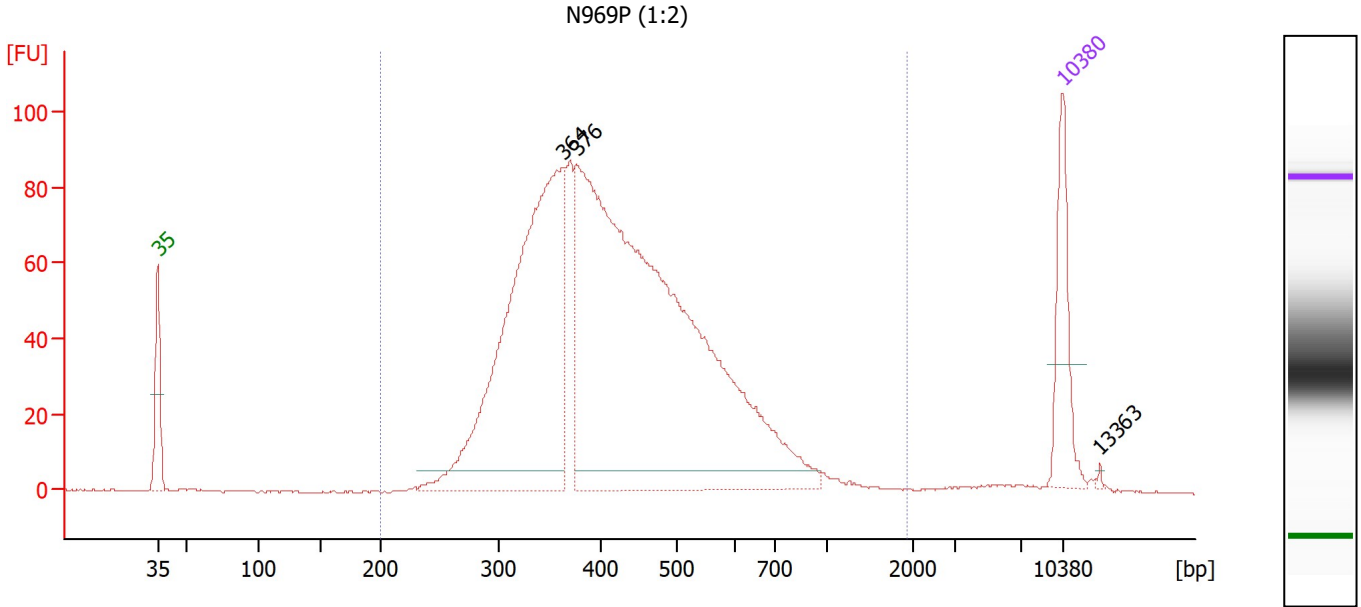
Region table for sample 1 : N937P (1:2)

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200 | 2,841 | 1,564.7 | 97 | 464 | 51.3 | 1,796.02 | 6,800.2 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...zer\2100 expert\data\2023-10-19\N937P-N969PPN899P-N976P.xad

Created: 10/19/2023 10:29:51 AM
 Modified: 10/19/2023 11:16:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : N969P (1:2)

Number of peaks found: 3 Corr. Area 1: 1,680.9
 Noise: 0.2

Peak table for sample 2 : N969P (1:2)

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 364 | 676.49 | 2,819.4 | |
| 3 | 376 | 1,254.66 | 5,062.5 | |
| 4 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 5 | 13,363 | 0.00 | 0.0 | |

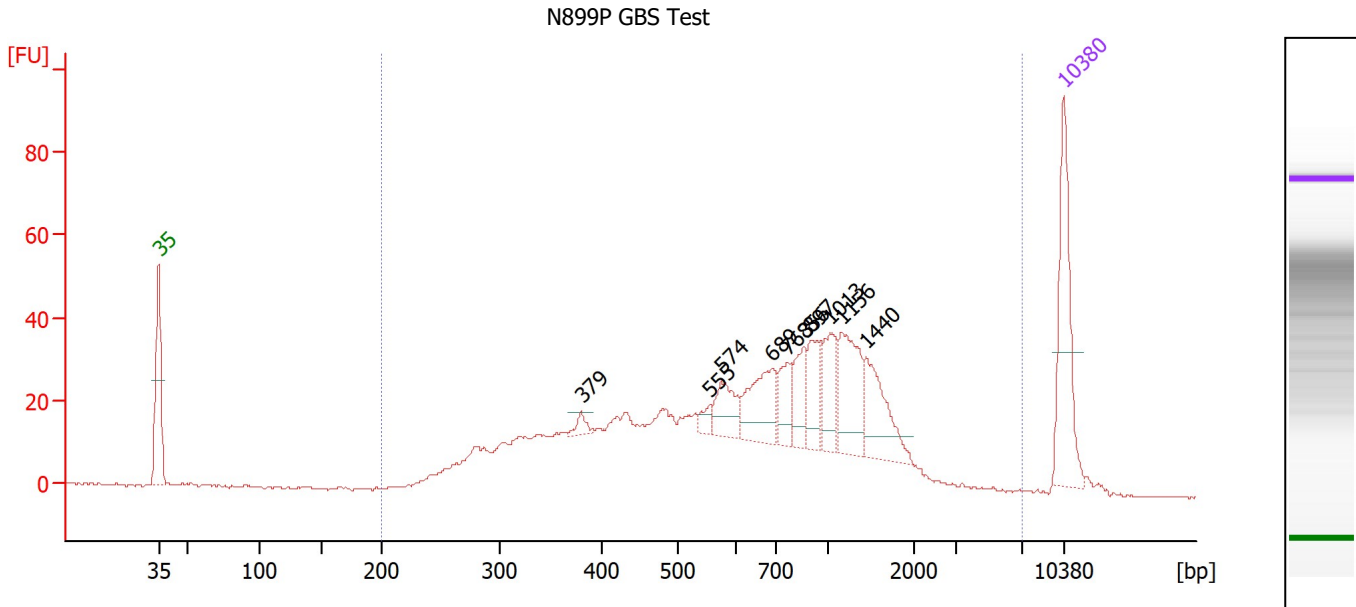
Region table for sample 2 : N969P (1:2)

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200 | 1,935 | 1,680.9 | 98 | 439 | 33.7 | 1,989.98 | 7,568.9 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...zer\2100 expert\data\2023-10-19\N937P-N969PPN899P-N976P.xad

Created: 10/19/2023 10:29:51 AM
 Modified: 10/19/2023 11:16:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : N899P GBS Test

Number of peaks found: 10 Corr. Area 1: 843.2
 Noise: 0.2

Peak table for sample 3 : N899P GBS Test

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 379 | 8.27 | 33.0 | |
| 3 | 555 | 8.21 | 22.4 | |
| 4 | 574 | 32.84 | 86.7 | |
| 5 | 689 | 56.69 | 124.7 | |
| 6 | 763 | 24.91 | 49.5 | |
| 7 | 856 | 32.10 | 56.8 | |
| 8 | 897 | 34.43 | 58.2 | |
| 9 | 1,013 | 38.12 | 57.0 | |
| 10 | 1,156 | 61.29 | 80.4 | |
| 11 | 1,440 | 49.84 | 52.4 | |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker |

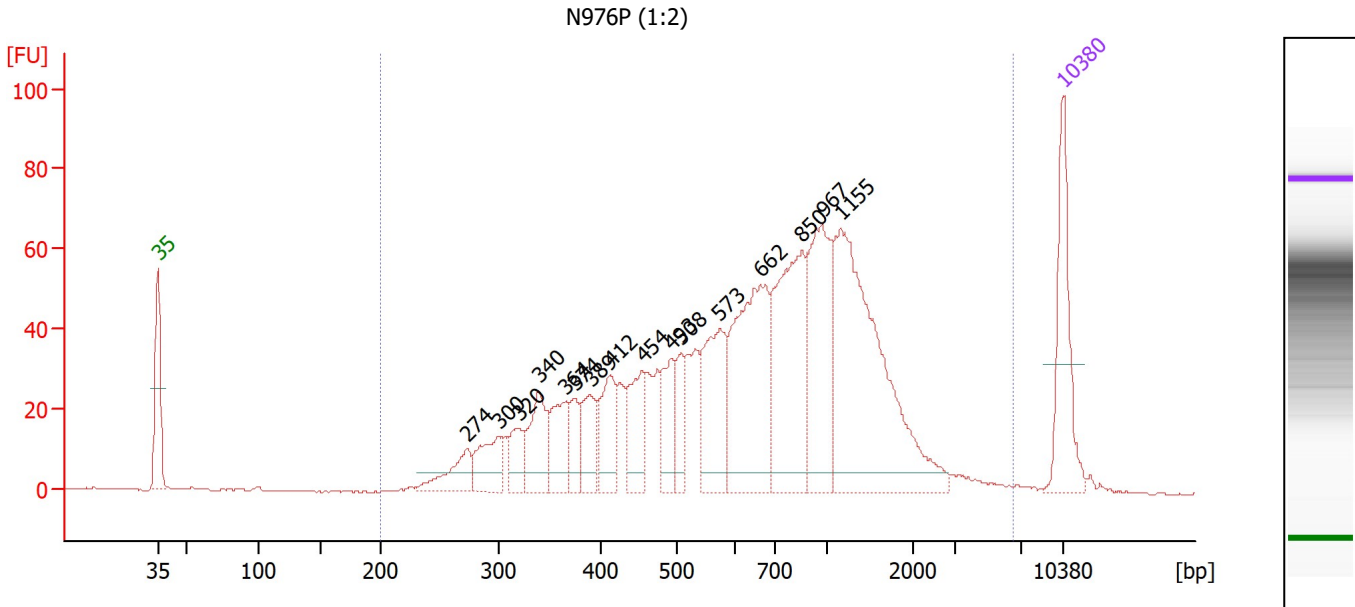
Region table for sample 3 : N899P GBS Test

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200 | 7,085 | 843.2 | 99 | 827 | 71.3 | 1,058.28 | 2,971.0 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...zer\2100 expert\data\2023-10-19\N937P-N969PPN899P-N976P.xad

Created: 10/19/2023 10:29:51 AM
 Modified: 10/19/2023 11:16:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : N976P (1:2)

Number of peaks found: 16 Corr. Area 1: 1,433.5
 Noise: 0.2

Peak table for sample 4 : N976P (1:2)

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 274 | 43.89 | 242.6 | |
| 3 | 300 | 52.14 | 263.3 | |
| 4 | 320 | 34.96 | 165.7 | |
| 5 | 340 | 61.72 | 275.1 | |
| 6 | 364 | 54.42 | 226.8 | |
| 7 | 374 | 30.09 | 121.9 | |
| 8 | 389 | 45.95 | 179.0 | |
| 9 | 412 | 57.04 | 210.0 | |
| 10 | 454 | 58.54 | 195.3 | |
| 11 | 493 | 47.11 | 144.8 | |
| 12 | 508 | 36.34 | 108.4 | |
| 13 | 573 | 101.83 | 269.1 | |
| 14 | 662 | 187.27 | 428.6 | |
| 15 | 850 | 169.01 | 301.3 | |
| 16 | 967 | 129.58 | 203.1 | |
| 17 | 1,155 | 278.42 | 365.3 | |
| 18 | 10,380 | 75.00 | 10.9 | Upper Marker |

Region table for sample 4 : N976P (1:2)

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200 | 6,573 | 1,433.5 | 98 | 854 | 74.7 | 1,577.51 | 4,273.8 | Blue |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...zer\2100 expert\data\2023-10-19\N937P-N969PPN899P-N976P.xad

Created: 10/19/2023 10:29:51 AM
Modified: 10/19/2023 11:16:47 AM

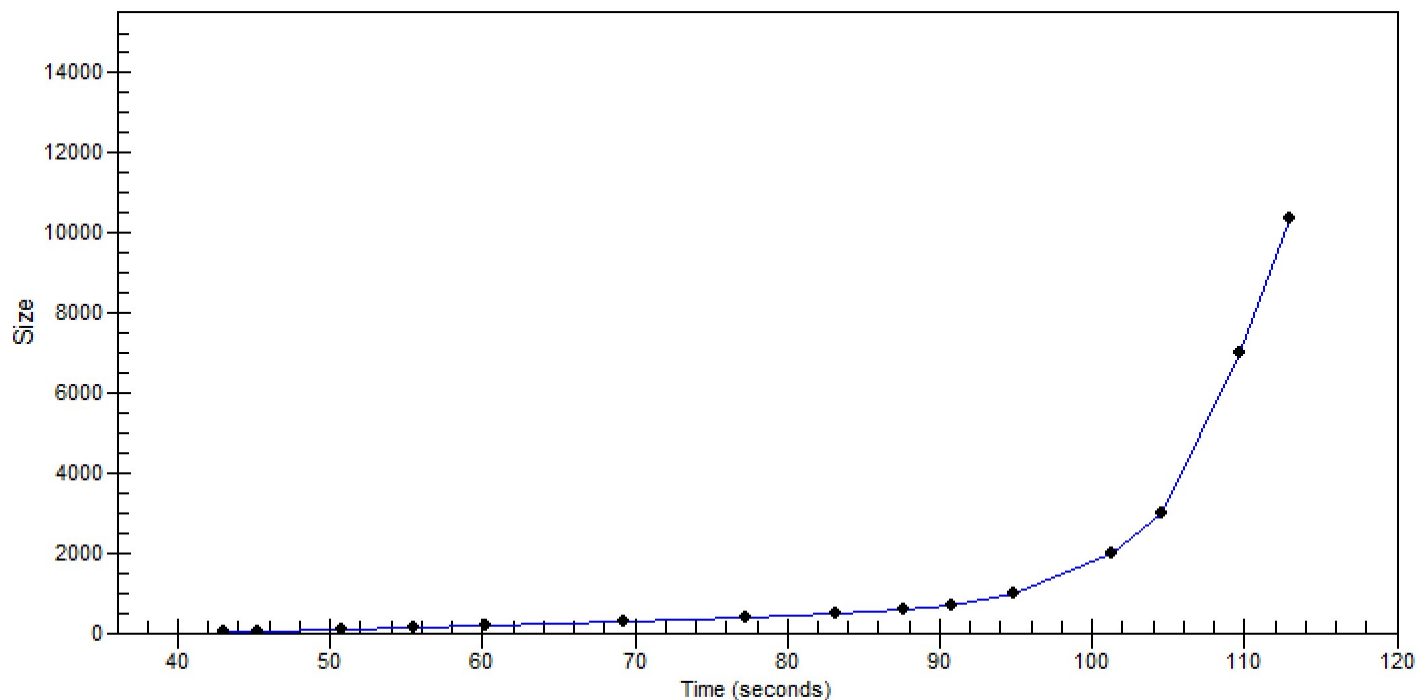
Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...zer\2100 expert\data\2023-10-19\N937P-N969PPN899P-N976P.xad

Created: 10/19/2023 10:29:51 AM
Modified: 10/19/2023 11:16:47 AM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...zer\2100 expert\data\2023-10-19\N937P-N969PPN899P-N976P.xad

Created: 10/19/2023 10:29:51 AM
 Modified: 10/19/2023 11:16:47 AM

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 | | 10/19/2023 11:11:12 AM | (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\2023-10-19\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-10-19_001.xad) | | Instrument | Run | | 10/19/2023 10:29:57 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Product Number : G2938C | | Instrument | Run | | 10/19/2023 10:29:57 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Name : | | Instrument | Run | | 10/19/2023 10:29:57 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Vendor : Agilent Technologies | | Instrument | Run | | 10/19/2023 10:29:57 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Serial# : DE34903152 | | Instrument | Run | | 10/19/2023 10:29:57 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Firmware : C.01.069 | | Instrument | Run | | 10/19/2023 10:29:57 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Cartridge : Electrode | | Instrument | Run | | 10/19/2023 10:29:57 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |