

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-21\2018-05-21_001.xad

Created: 5/21/2018 1:19:34 PM
Modified: 5/21/2018 1:57:59 PM

Electrophoresis File Run Summary

Instrument Information:

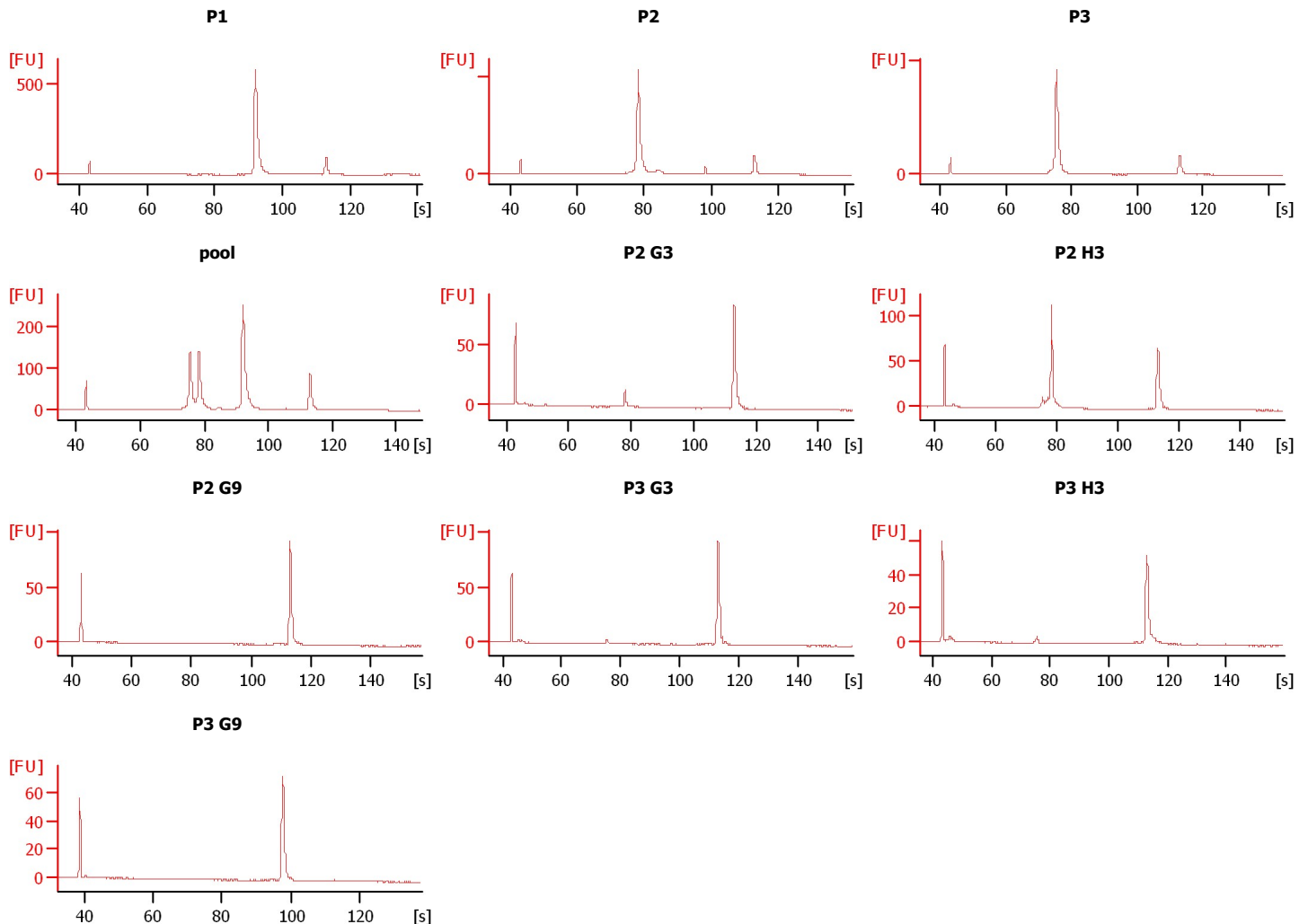
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
P1		<input type="checkbox"/>	✓			
P2		<input type="checkbox"/>	✓			
P3		<input type="checkbox"/>	✓			
pool		<input type="checkbox"/>	✓			
P2 G3		<input type="checkbox"/>	✓			
P2 H3		<input type="checkbox"/>	✓			
P2 G9		<input type="checkbox"/>	✓			
P3 G3		<input type="checkbox"/>	✓			
P3 H3		<input type="checkbox"/>	✓			
P3 G9		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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

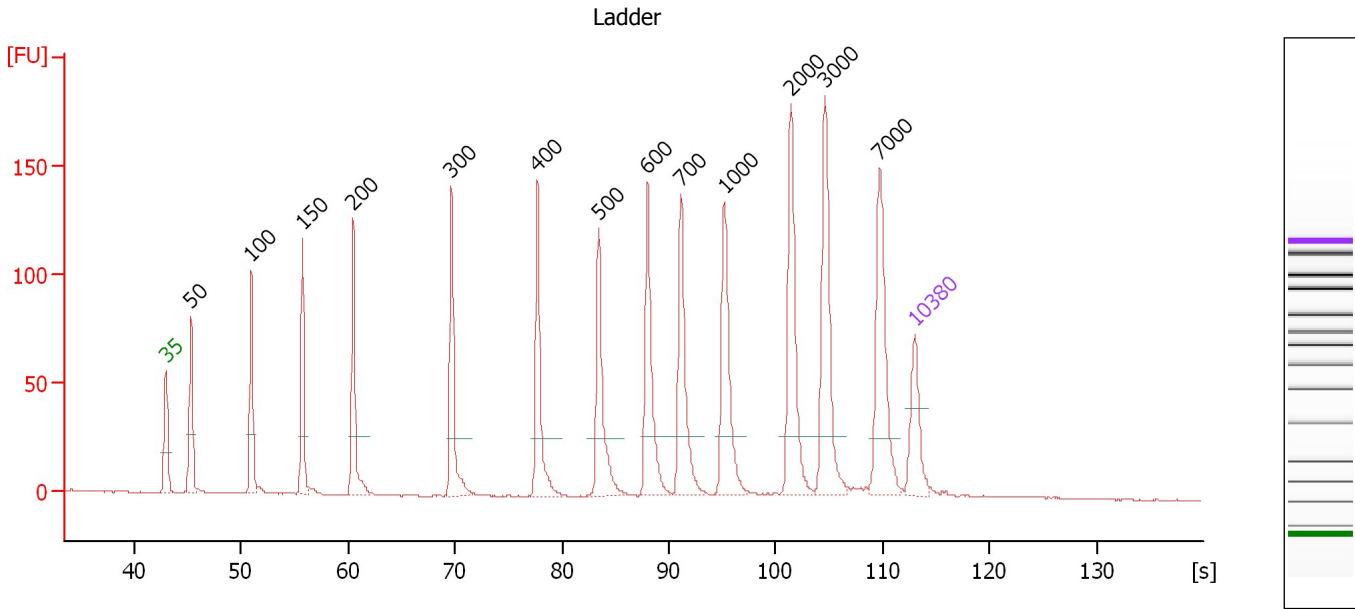
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

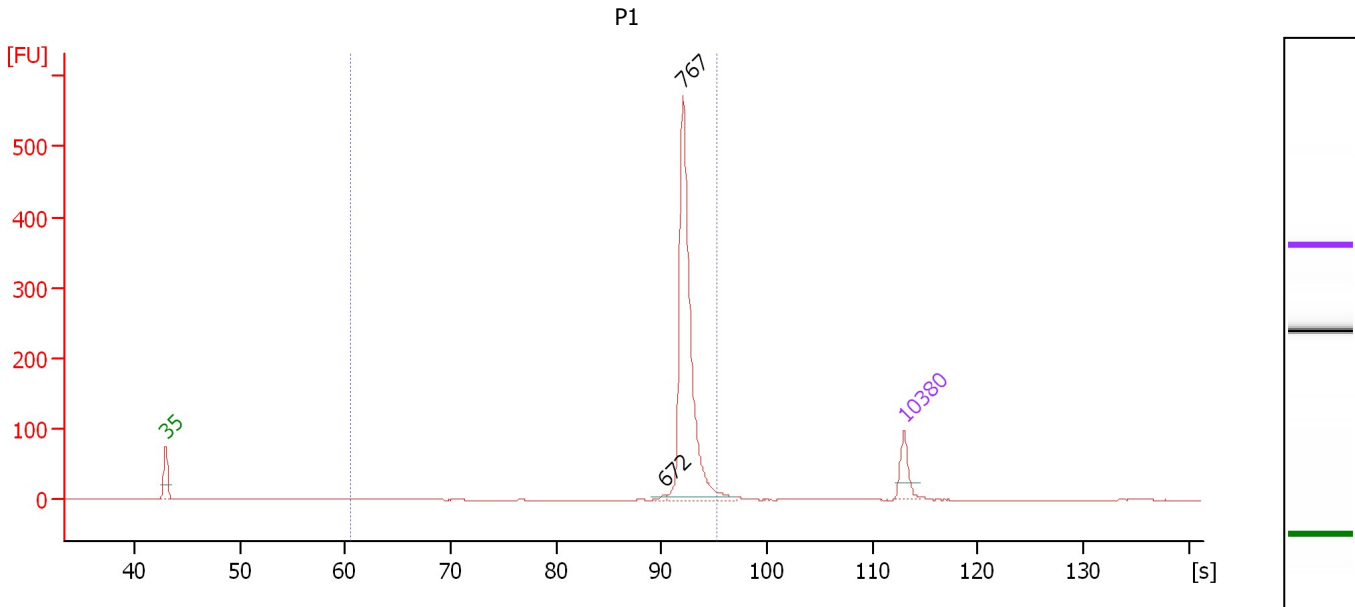
Peak table for Ladder

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	45.36
3	100	150.00	2,272.7	Ladder Peak	50.98
4	150	150.00	1,515.2	Ladder Peak	55.80
5	200	150.00	1,136.4	Ladder Peak	60.51
6	300	150.00	757.6	Ladder Peak	69.70
7	400	150.00	568.2	Ladder Peak	77.72
8	500	150.00	454.5	Ladder Peak	83.44
9	600	150.00	378.8	Ladder Peak	88.01
10	700	150.00	324.7	Ladder Peak	91.12
11	1,000	150.00	227.3	Ladder Peak	95.19
12	2,000	150.00	113.6	Ladder Peak	101.41
13	3,000	150.00	75.8	Ladder Peak	104.62
14	7,000	150.00	32.5	Ladder Peak	109.69
15	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...



Overall Results for sample 1 : P1

Number of peaks found: 2 Corr. Area 1: 750.7
 Noise: 0.2

Peak table for sample 1 : P1

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	672	8.86	20.0		90.24
3	767	981.65	1,939.9		92.03
4	10,380	75.00	10.9	Upper Marker	113.00

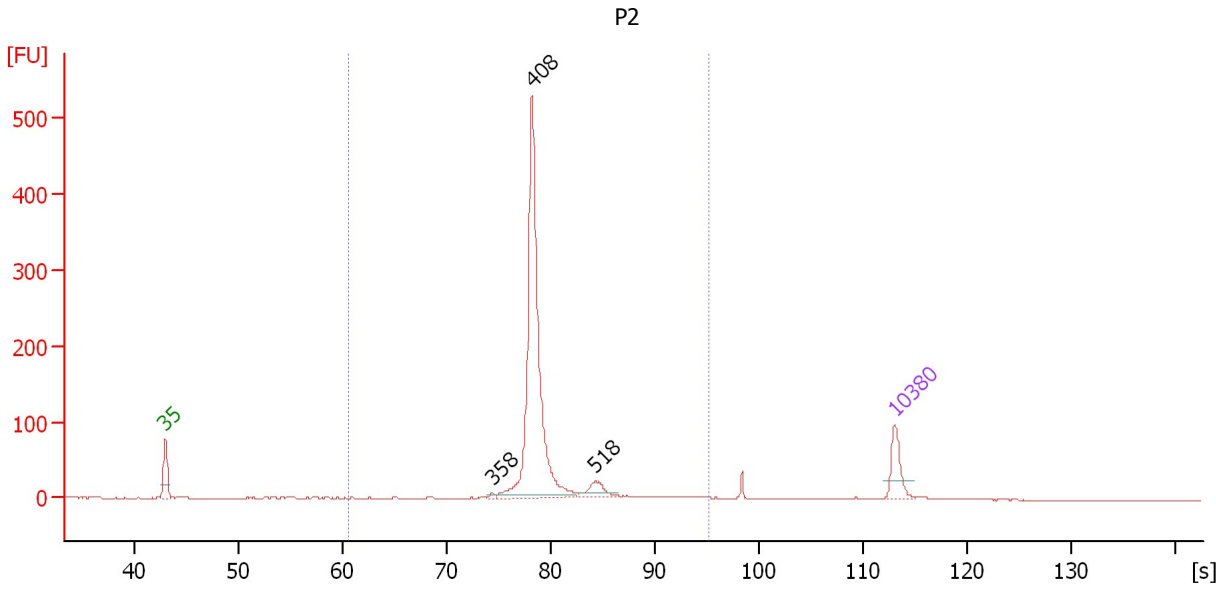
Region table for sample 1 : P1

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	793	946.43	750.7	1,810.4	96	6.5

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Electropherogram Summary Continued ...



Overall Results for sample 2 : P2

Number of peaks found: 3 Corr. Area 1: 929.8
 Noise: 0.3

Peak table for sample 2 : P2

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	358	5.88	24.9		74.39
3	408	963.52	3,574.4		78.21
4	518	56.19	164.2		84.29
5	10,380	75.00	10.9	Upper Marker	113.00

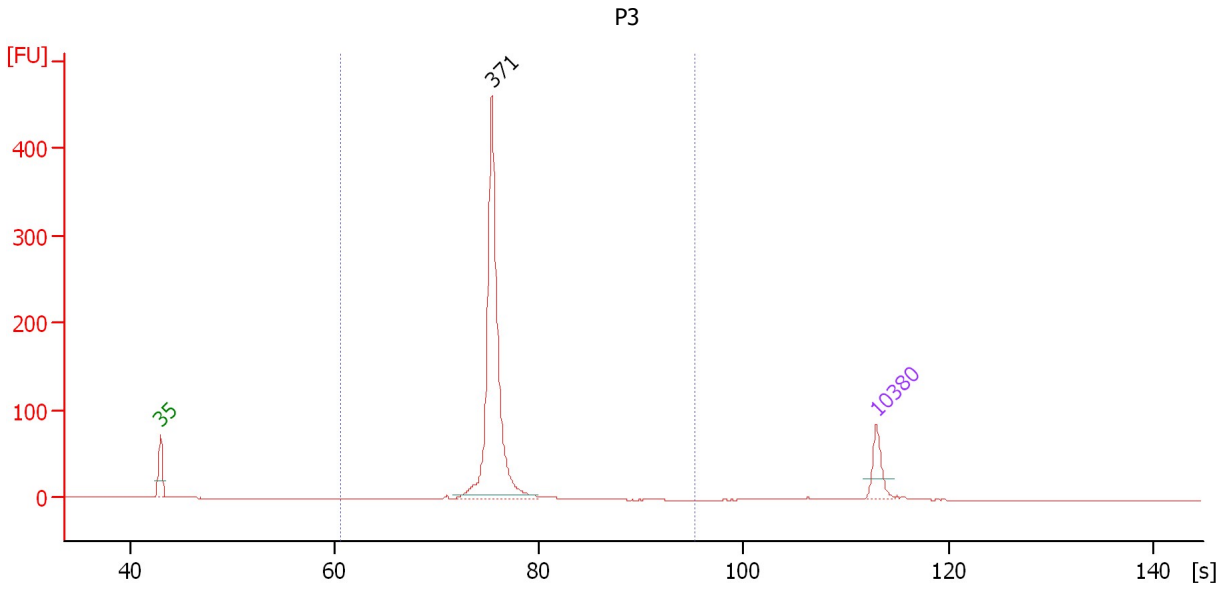
Region table for sample 2 : P2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	430	1,116.08	929.8	4,034.7	94	16.5

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Electropherogram Summary Continued ...



Overall Results for sample 3 : P3

Number of peaks found: 1 Corr. Area 1: 722.6
 Noise: 0.2

Peak table for sample 3 : P3

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	371	1,050.33	4,292.3		75.38
3	10,380	75.00	10.9	Upper Marker	113.00

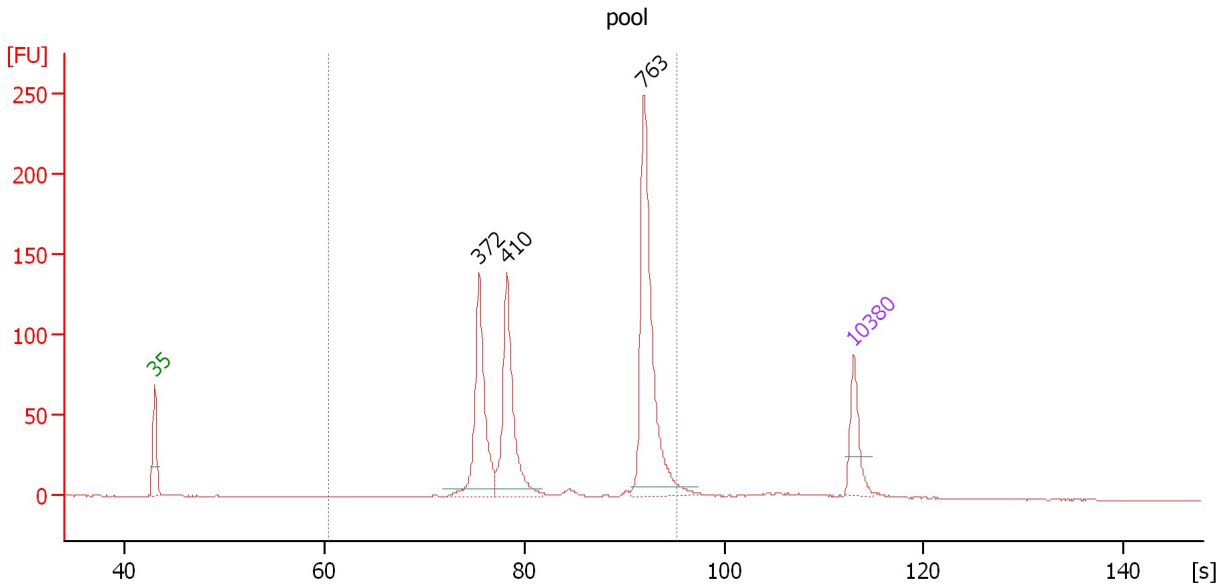
Region table for sample 3 : P3

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	374	1,042.36	722.6	4,231.9	98	3.8

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Electropherogram Summary Continued ...



Overall Results for sample 4 : pool

Number of peaks found: 3 Corr. Area 1: 801.6
 Noise: 0.2

Peak table for sample 4 : pool

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	372	296.36	1,207.2		75.47
3	410	286.39	1,059.6		78.27
4	763	453.61	900.5		91.98
5	10,380	75.00	10.9	Upper Marker	113.00

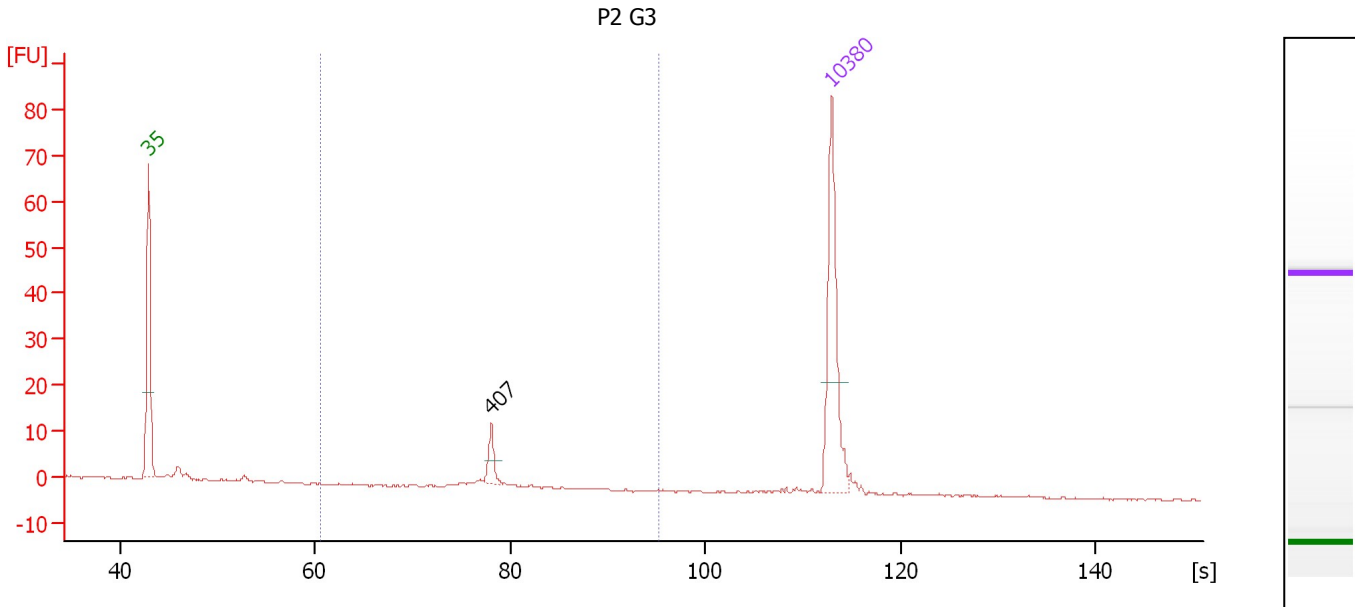
Region table for sample 4 : pool

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	595	1,067.39	801.6	3,218.9	92	34.2

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Electropherogram Summary Continued ...



Overall Results for sample 5 : P2 G3

Number of peaks found: 1 Corr. Area 1: 13.5
 Noise: 0.2

Peak table for sample 5 : P2 G3

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	407	14.29	53.2		78.11
3	10,380	75.00	10.9	Upper Marker	113.00

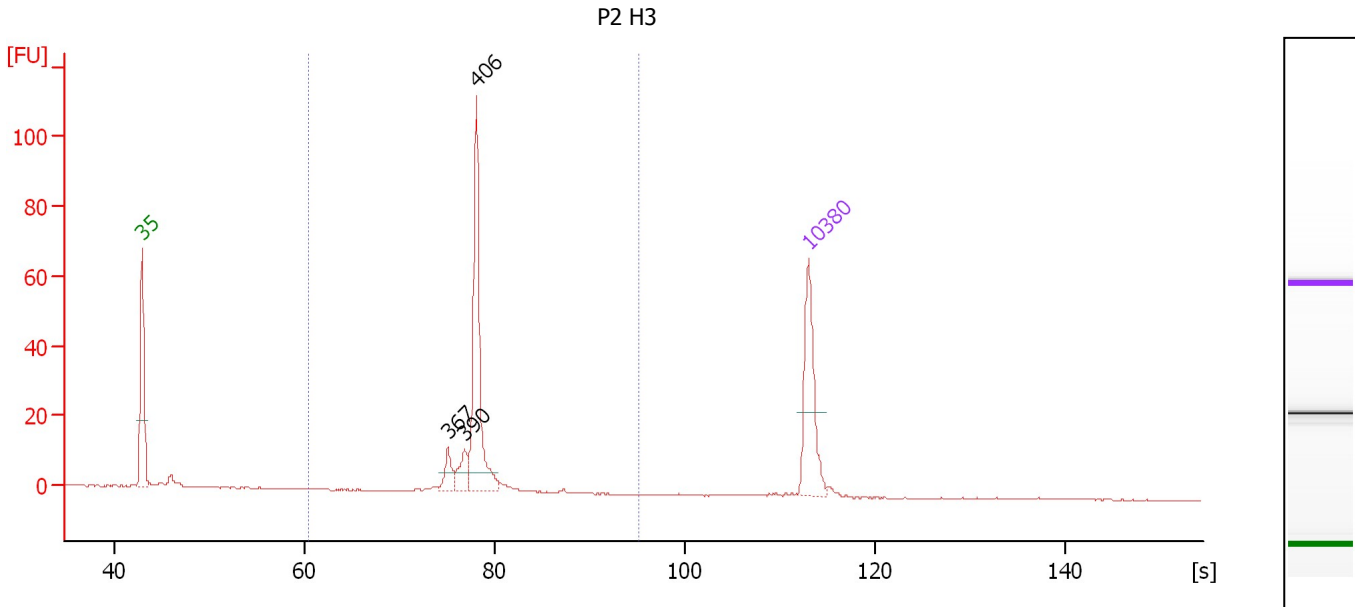
Region table for sample 5 : P2 G3

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	405	18.27	13.5	68.5	54	3.0

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Electropherogram Summary Continued ...



Overall Results for sample 6 : P2 H3

Number of peaks found: 3 Corr. Area 1: 143.8
 Noise: 0.2

Peak table for sample 6 : P2 H3

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	367	20.67	85.3		75.10
3	390	23.55	91.5		76.90
4	406	164.33	612.8		78.08
5	10,380	75.00	10.9	Upper Marker	113.00

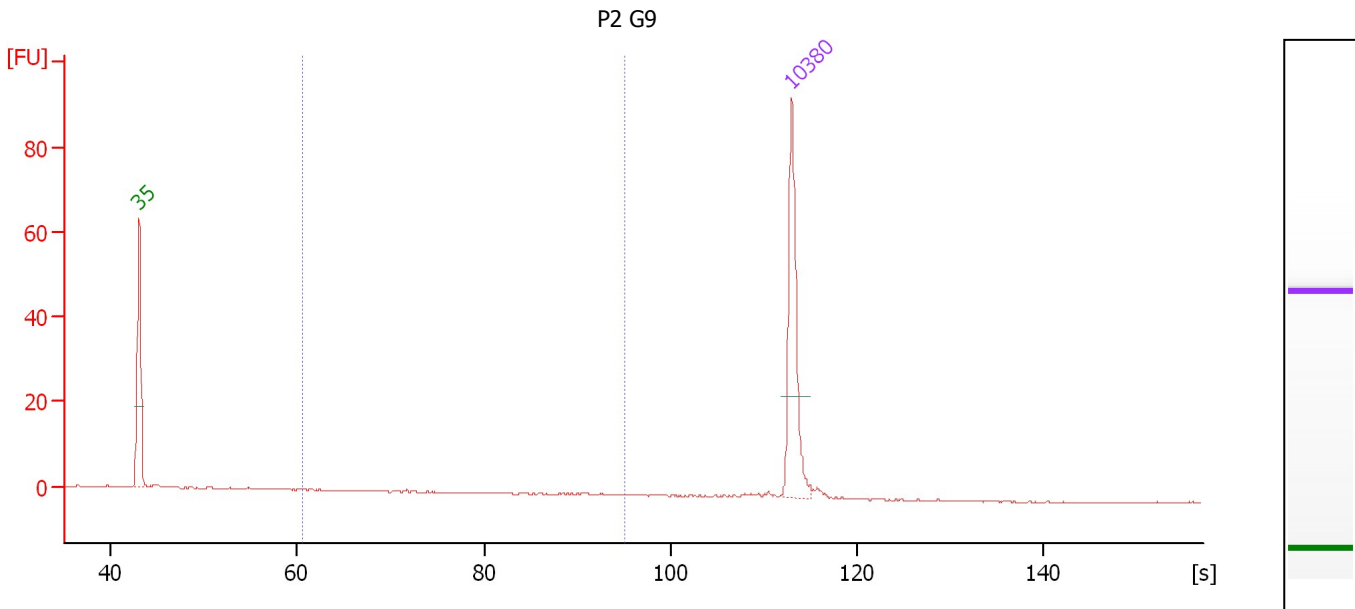
Region table for sample 6 : P2 H3

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	405	219.29	143.8	823.2	91	5.5

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Electropherogram Summary Continued ...



Overall Results for sample 7 : P2 G9

Number of peaks found: 0 Corr. Area 1: 0.3
 Noise: 0.2

Peak table for sample 7 : P2 G9

Pea k	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	10,380	75.00	10.9	Upper Marker	113.00

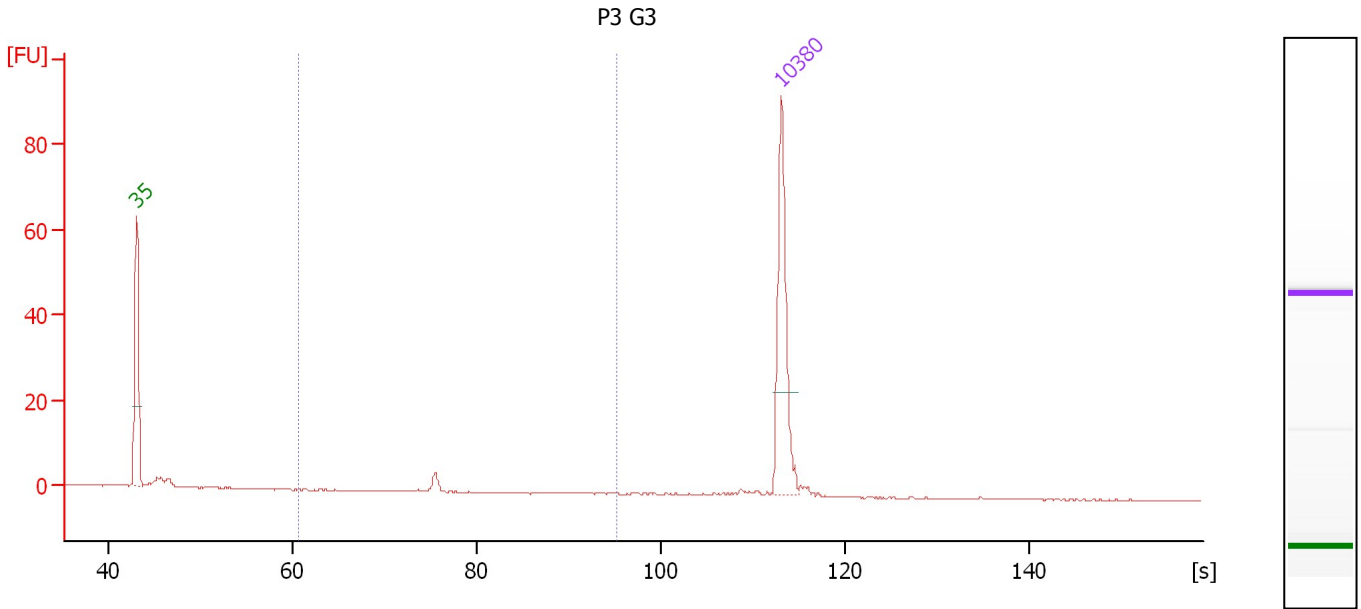
Region table for sample 7 : P2 G9

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	325	0.46	0.3	2.5	4	42.1

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Electropherogram Summary Continued ...



Overall Results for sample 8 : P3 G3

Number of peaks found: 0 Corr. Area 1: 3.9
 Noise: 0.2

Peak table for sample 8 : P3 G3

Pea k	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	10,380	75.00	10.9	Upper Marker	113.00

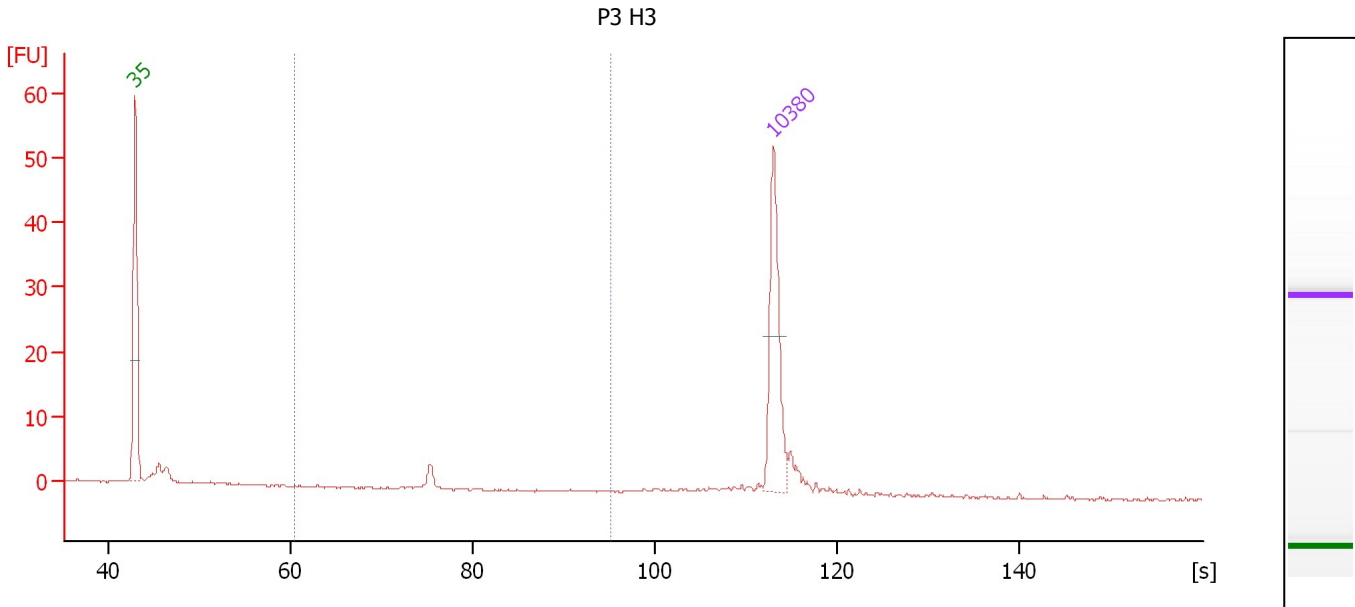
Region table for sample 8 : P3 G3

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	373	5.06	3.9	20.6	18	6.1

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Electropherogram Summary Continued ...



Overall Results for sample 9 : P3 H3

Number of peaks found: 0 Corr. Area 1: 2.9
 Noise: 0.1

Peak table for sample 9 : P3 H3

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	10,380	75.00	10.9	Upper Marker	113.00

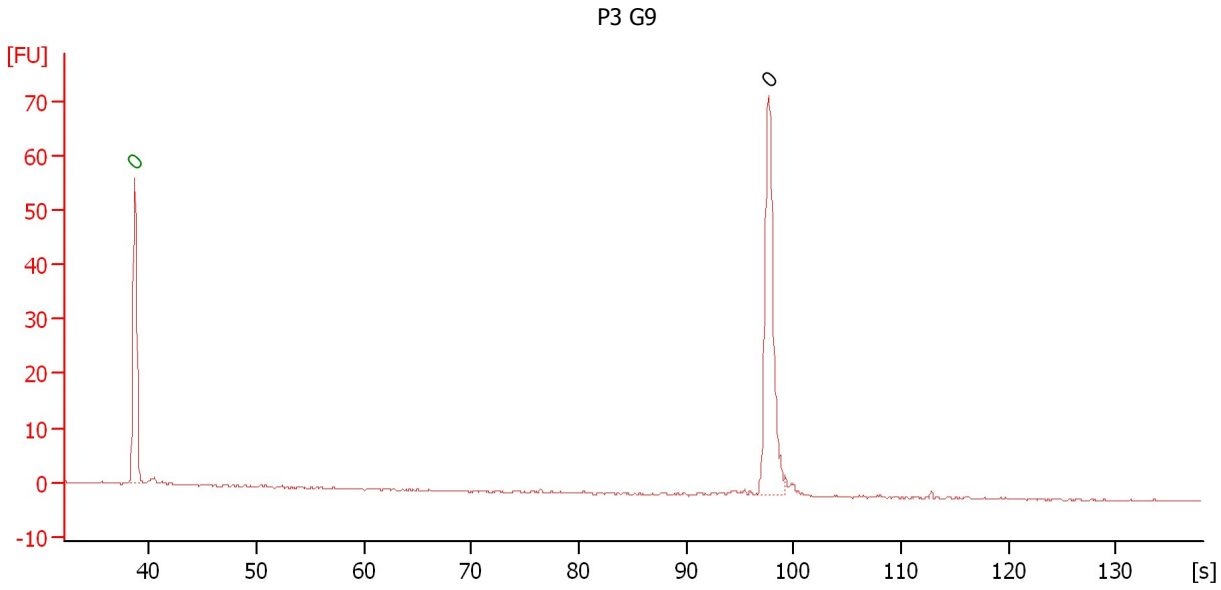
Region table for sample 9 : P3 H3

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	370	5.93	2.9	24.3	11	0.9

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Electropherogram Summary Continued ...



Overall Results for sample 10 : P3 G9

Number of peaks found: 1 Noise: 0.2

Peak table for sample 10 : P3 G9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	38.65
2	0	0.00	0.0		97.70

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Gel Image

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Invalid Samples

Sample 11 has not been run, no results available.