

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-07\2015-07-07\_001.xad

Created: 7/7/2015 11:18:41 AM  
Modified: 7/7/2015 12:00:34 PM

**Electrophoresis File Run Summary**

Instrument Information:

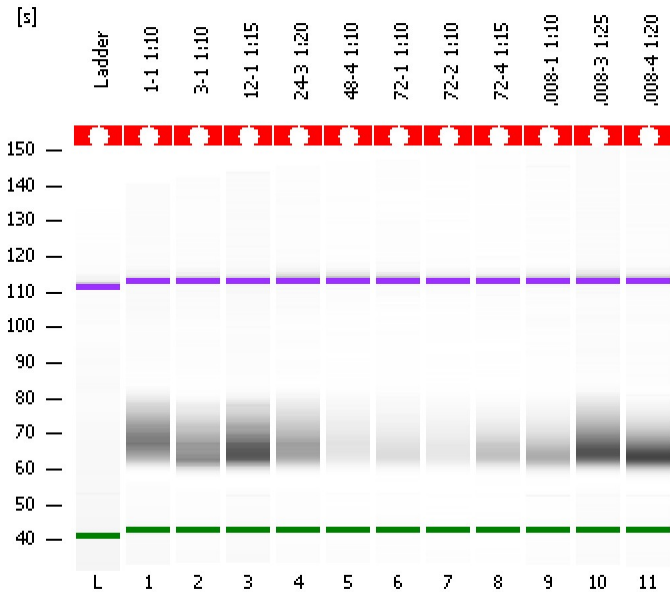
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

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:

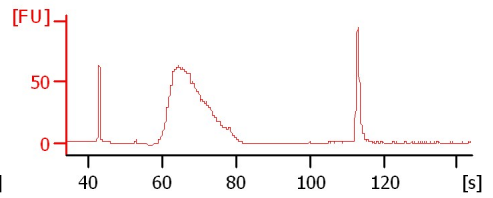
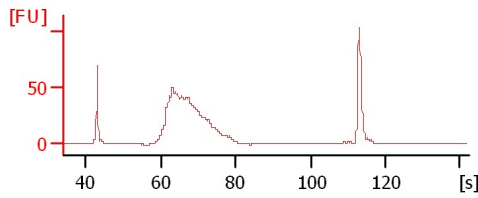
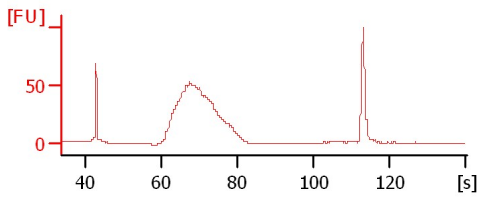
Chip Lot #:      Reagent Kit Lot #:      Chip Comments:



1-1 1:10

3-1 1:10

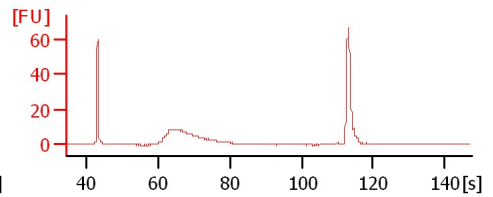
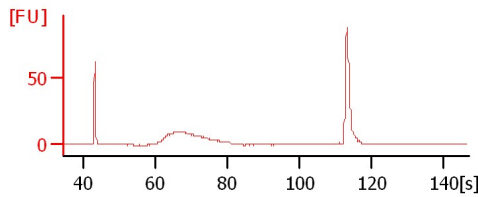
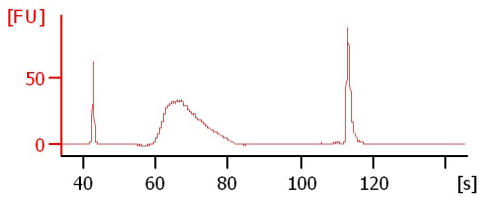
12-1 1:15



24-3 1:20

48-4 1:10

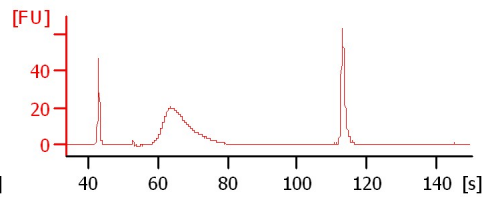
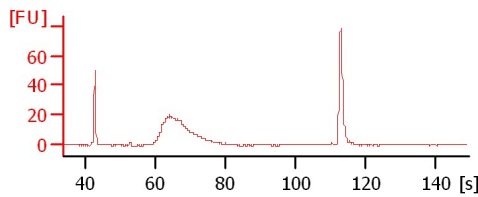
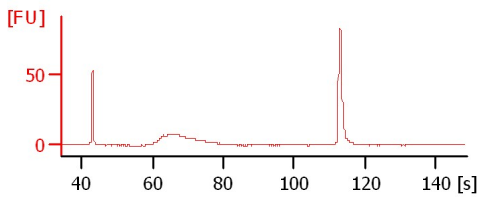
72-1 1:10



72-2 1:10

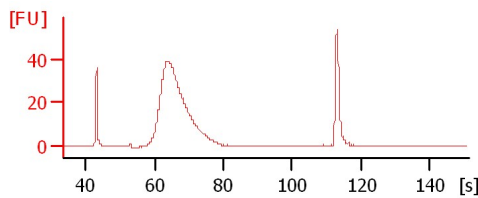
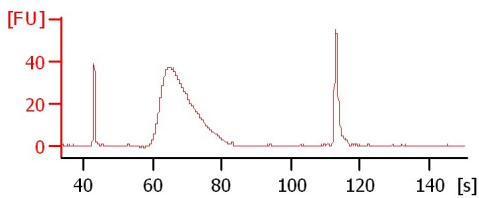
72-4 1:15

.008-1 1:10



.008-3 1:25

.008-4 1:20



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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1-1 1:10		<input type="checkbox"/>	✓			
3-1 1:10		<input type="checkbox"/>	✓			
12-1 1:15		<input type="checkbox"/>	✓			
24-3 1:20		<input type="checkbox"/>	✓			
48-4 1:10		<input type="checkbox"/>	✓			
72-1 1:10		<input type="checkbox"/>	✓			
72-2 1:10		<input type="checkbox"/>	✓			
72-4 1:15		<input type="checkbox"/>	✓			
.008-1 1:10		<input type="checkbox"/>	✓			
.008-3 1:25		<input type="checkbox"/>	✓			
.008-4 1:20		<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

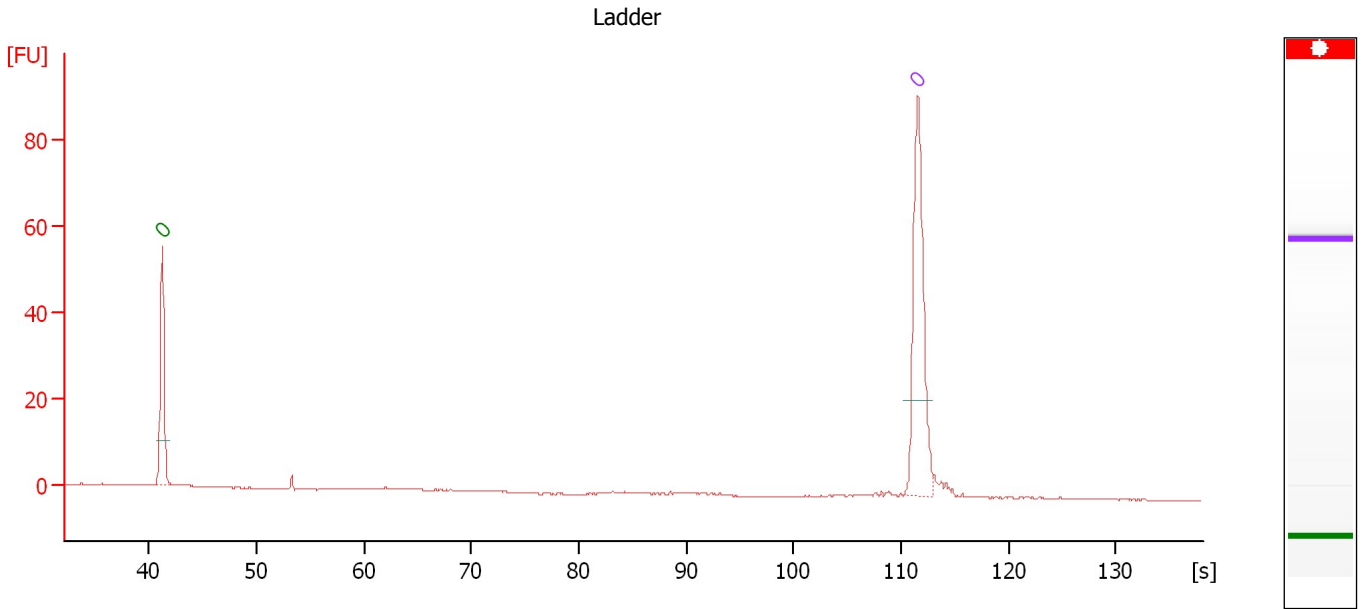
**Ladder**

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: 0.1

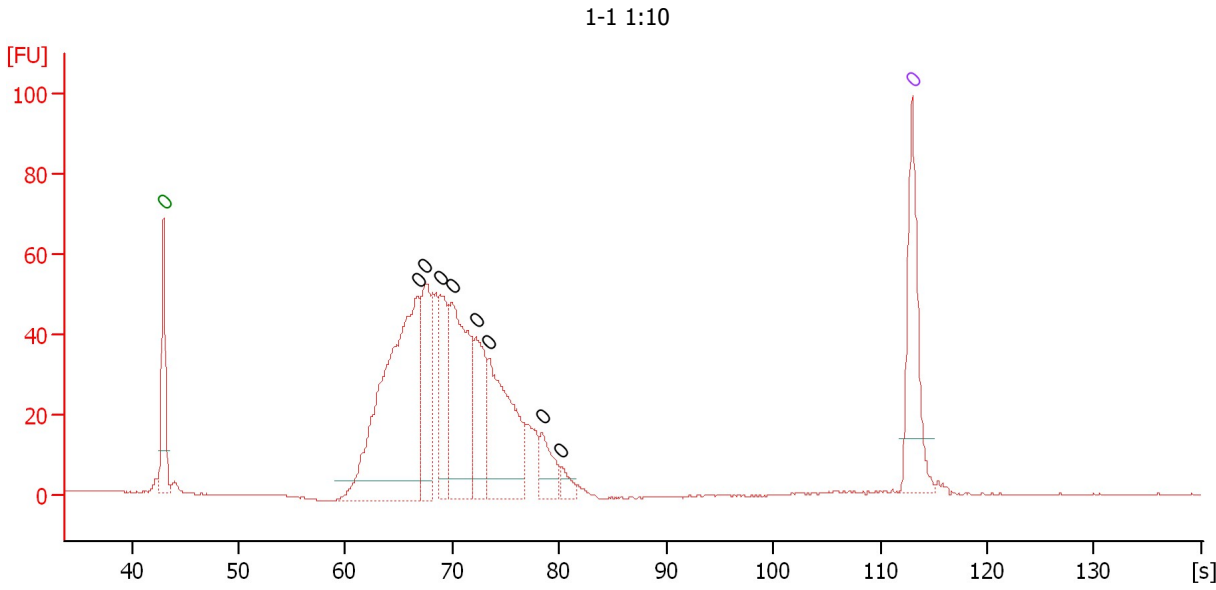
**Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	41.20
2	0	0.00	0.0	Upper Marker	111.55

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 1-1 1:10**

Number of peaks found: 8                      Noise: 0.1

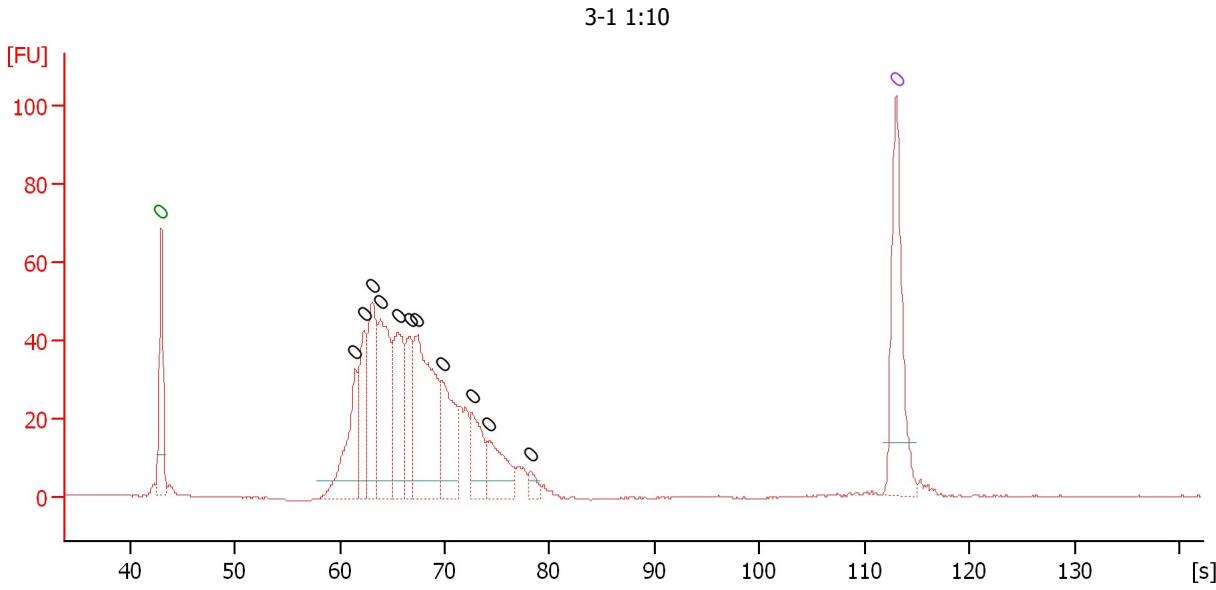
**Peak table for sample 1 : 1-1 1:10**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		66.80
3	0	0.00	0.0		67.40
4	0	0.00	0.0		68.91
5	0	0.00	0.0		70.02
6	0	0.00	0.0		72.18
7	0	0.00	0.0		73.38
8	0	0.00	0.0		78.35
9	0	0.00	0.0		80.16
10	0	0.00	0.0	Upper Marker	113.00

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 3-1 1:10**

Number of peaks found: 11      Noise: 0.1

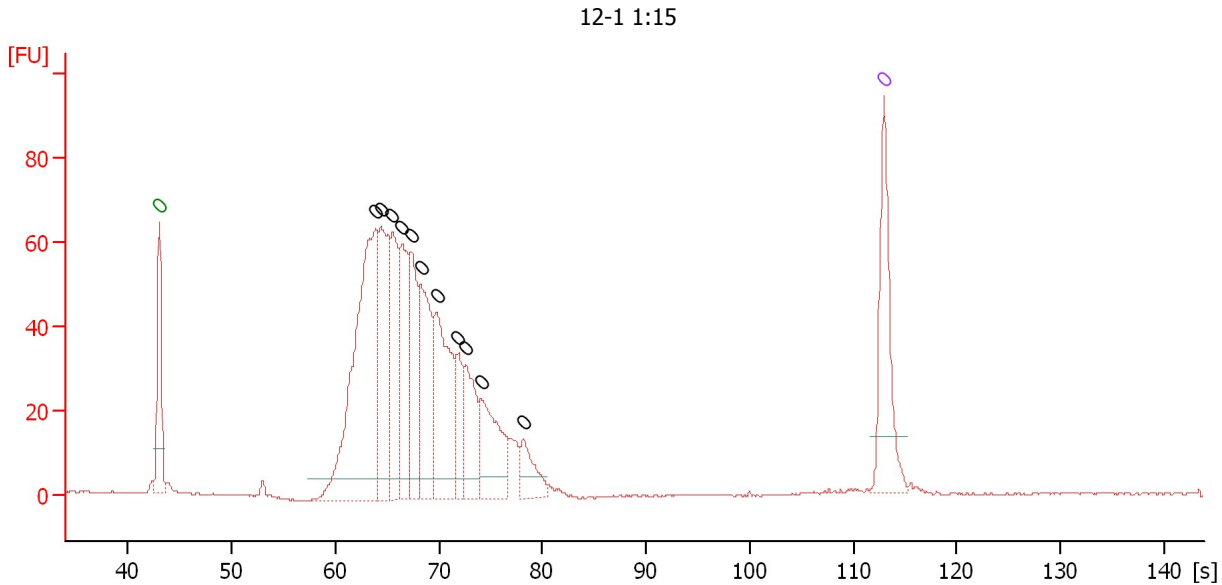
**Peak table for sample 2 : 3-1 1:10**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		61.51
3	0	0.00	0.0		62.38
4	0	0.00	0.0		63.15
5	0	0.00	0.0		63.86
6	0	0.00	0.0		65.60
7	0	0.00	0.0		66.67
8	0	0.00	0.0		67.34
9	0	0.00	0.0		69.79
10	0	0.00	0.0		72.61
11	0	0.00	0.0		74.24
12	0	0.00	0.0		78.23
13	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-07\2015-07-07\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 12-1 1:15**

Number of peaks found: 11                      Noise: 0.1

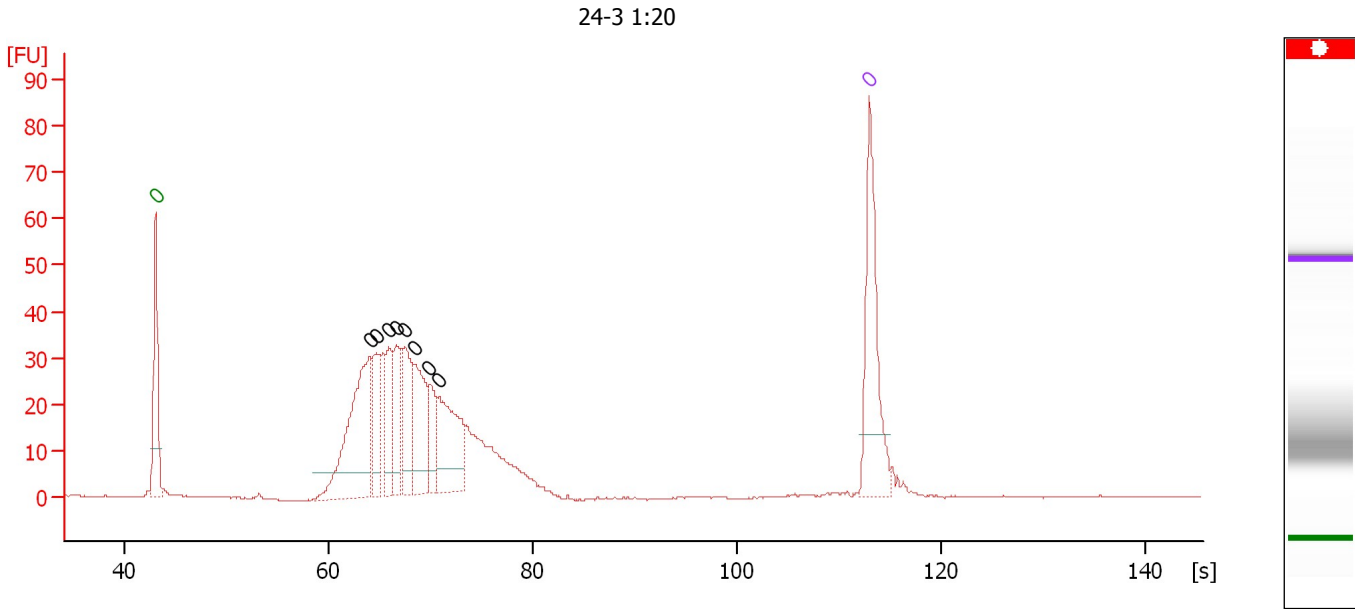
**Peak table for sample 3 : 12-1 1:15**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		63.90
3	0	0.00	0.0		64.36
4	0	0.00	0.0		65.50
5	0	0.00	0.0		66.44
6	0	0.00	0.0		67.32
7	0	0.00	0.0		68.25
8	0	0.00	0.0		69.81
9	0	0.00	0.0		71.88
10	0	0.00	0.0		72.61
11	0	0.00	0.0		74.11
12	0	0.00	0.0		78.16
13	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-07\2015-07-07\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 24-3 1:20**

Number of peaks found: 8                      Noise: 0.1

**Peak table for sample 4 : 24-3 1:20**

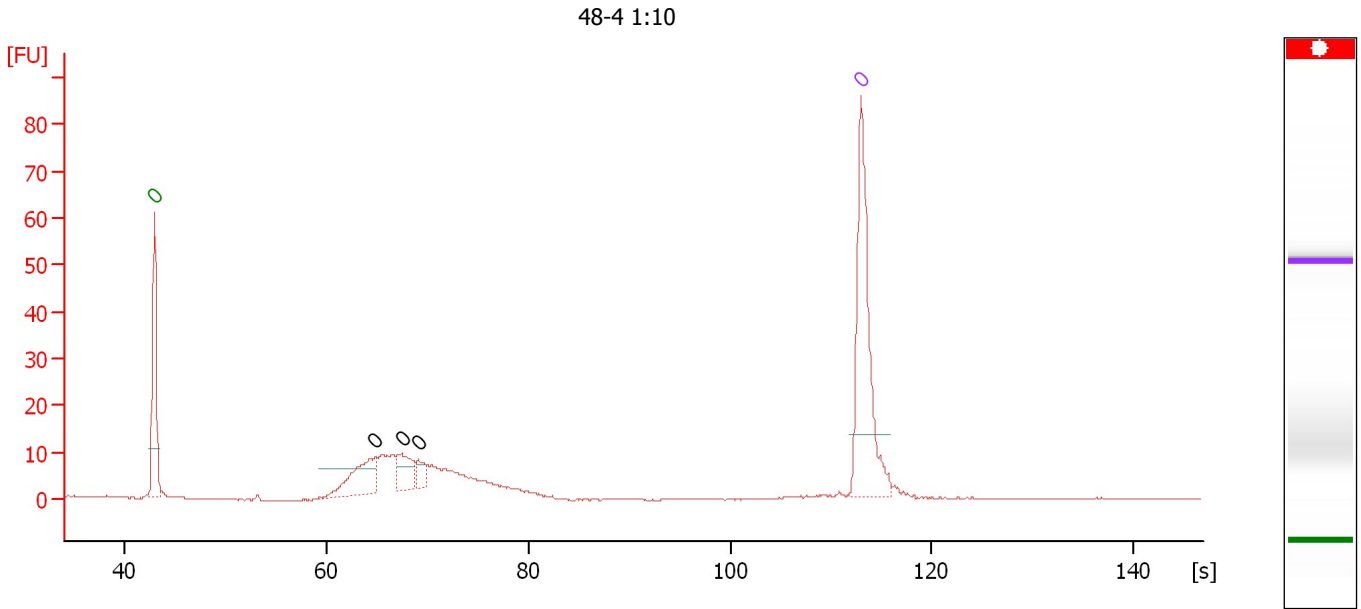
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		64.07
3	0	0.00	0.0		64.65
4	0	0.00	0.0		65.86
5	0	0.00	0.0		66.65
6	0	0.00	0.0		67.39
7	0	0.00	0.0		68.39
8	0	0.00	0.0		69.86
9	0	0.00	0.0		70.81
10	0	0.00	0.0	Upper Marker	113.00



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-07\2015-07-07\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 48-4 1:10**

Number of peaks found: 3                      Noise: 0.1

**Peak table for sample 5 : 48-4 1:10**

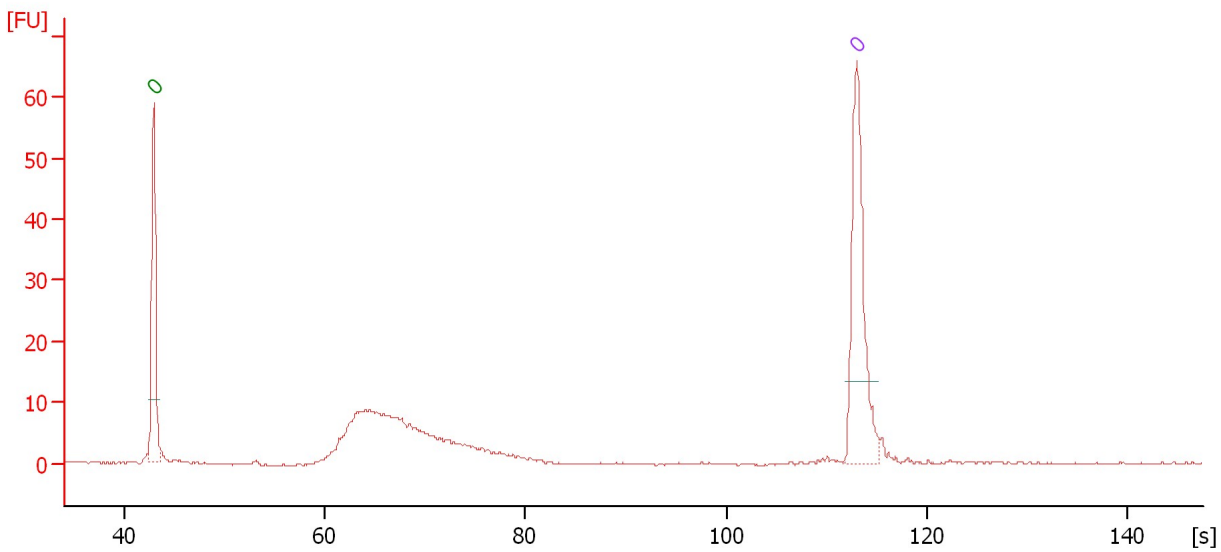
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		64.81
3	0	0.00	0.0		67.52
4	0	0.00	0.0		69.12
5	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-07\2015-07-07\_001.xad

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**Electropherogram Summary Continued ...**

72-1 1:10



**Overall Results for sample 6 : 72-1 1:10**

Number of peaks found: 0                      Noise: 0.1

**Peak table for sample 6 : 72-1 1:10**

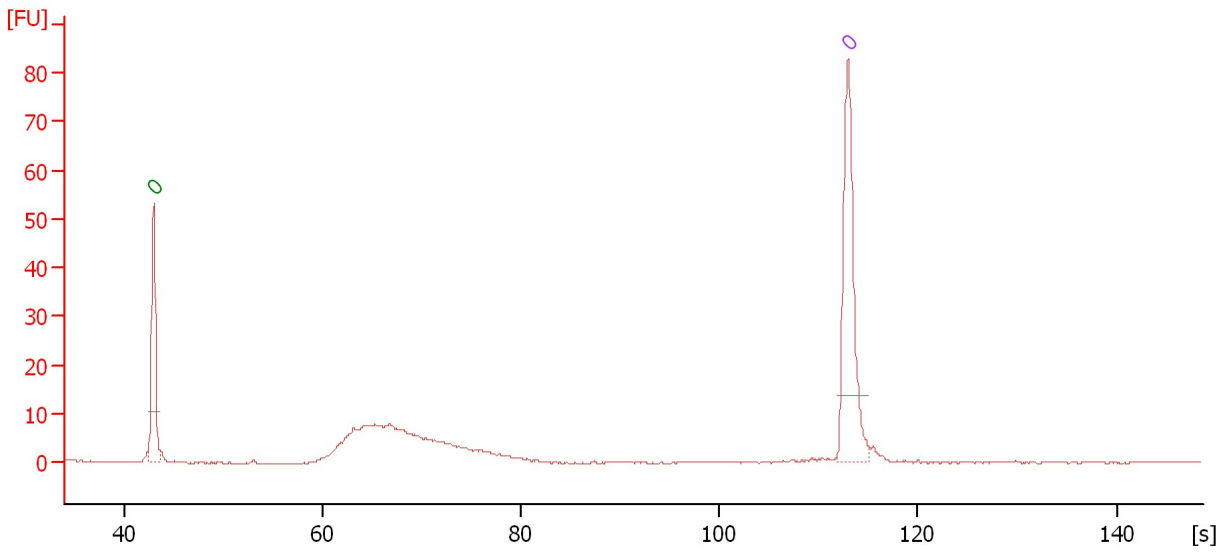
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-07\2015-07-07\_001.xad

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**Electropherogram Summary Continued ...**

72-2 1:10



**Overall Results for sample 7 : 72-2 1:10**

Number of peaks found: 0                      Noise: 0.1

**Peak table for sample 7 : 72-2 1:10**

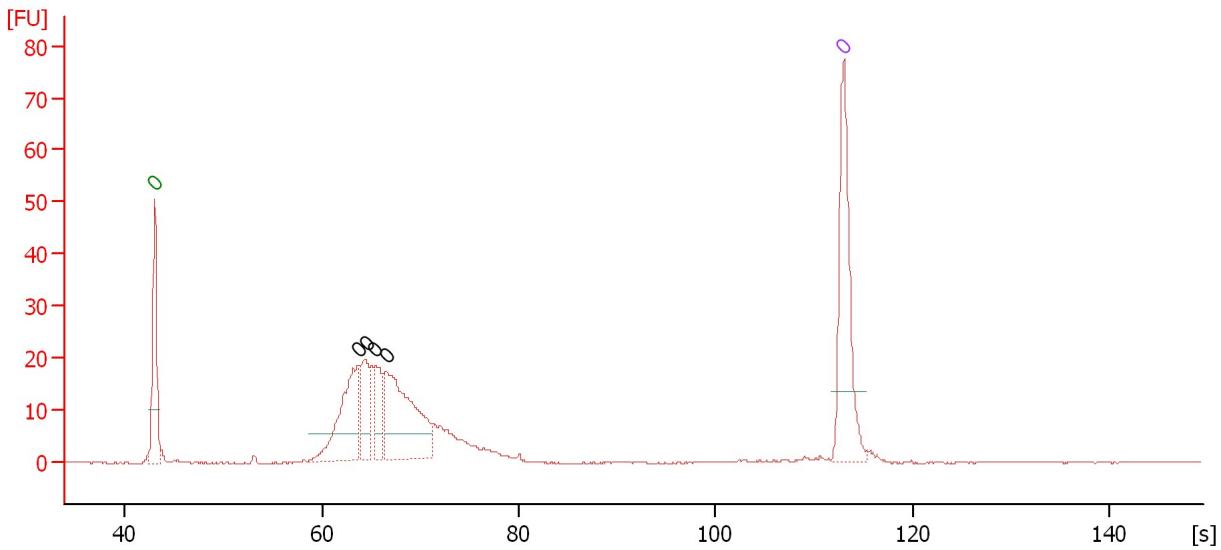
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-07\2015-07-07\_001.xad

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Electropherogram Summary Continued ...

72-4 1:15



Overall Results for sample 8 : 72-4 1:15

Number of peaks found: 4                      Noise: 0.2

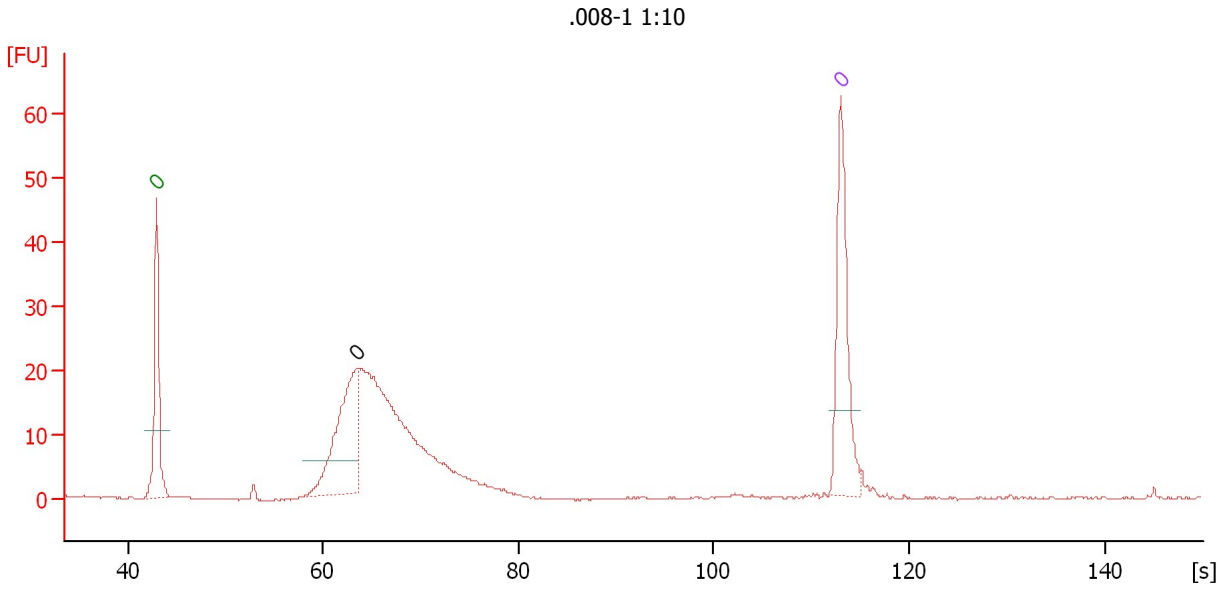
Peak table for sample 8 : 72-4 1:15

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		63.68
3	0	0.00	0.0		64.44
4	0	0.00	0.0		65.42
5	0	0.00	0.0		66.57
6	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-07\2015-07-07\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : .008-1 1:10**

Number of peaks found: 1                      Noise: 0.1

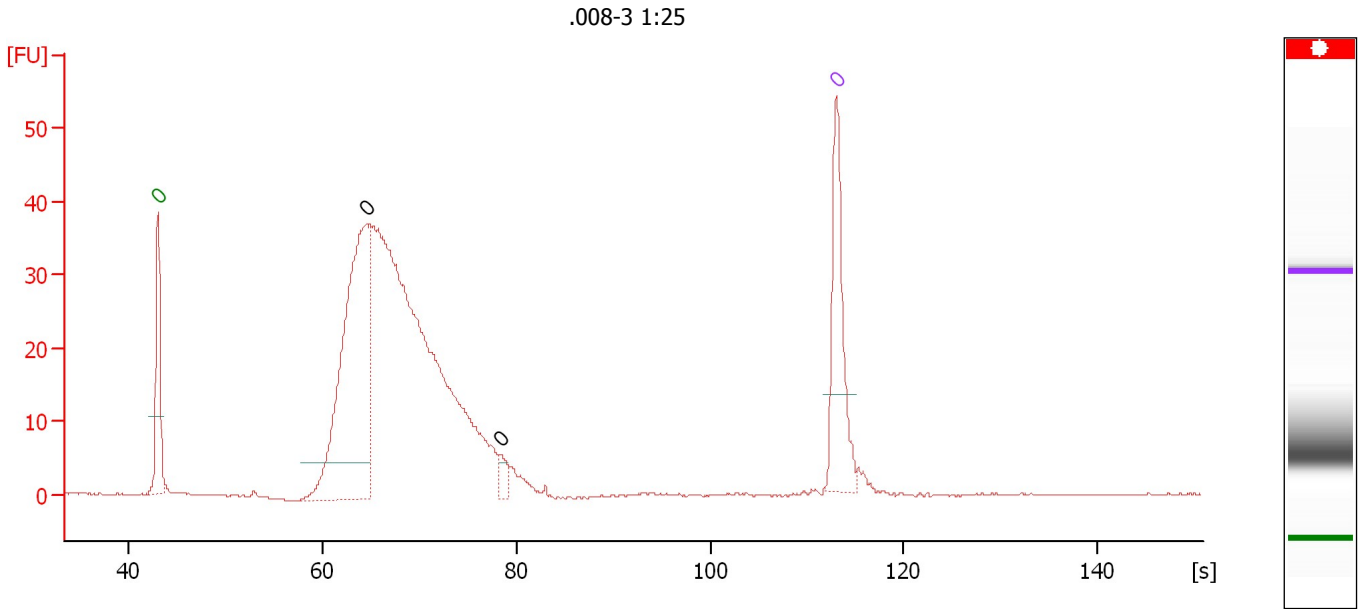
**Peak table for sample 9 : .008-1 1:10**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		63.49
3	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : .008-3 1:25**

Number of peaks found: 2                      Noise: 0.1

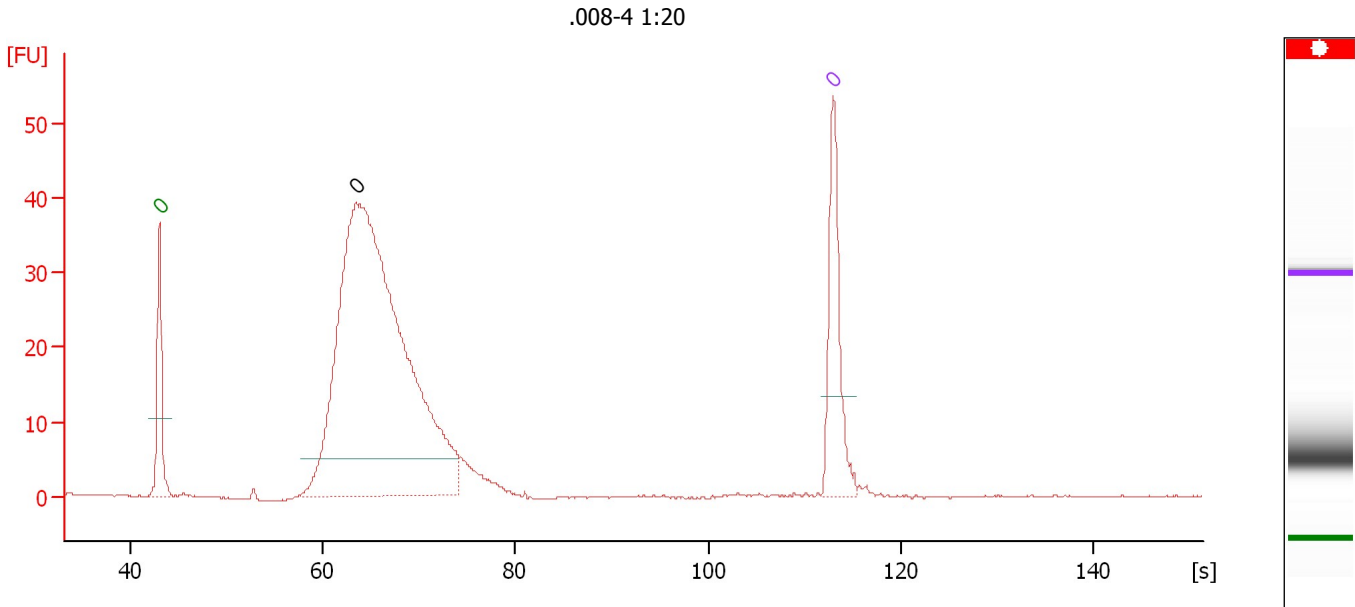
**Peak table for sample 10 : .008-3 1:25**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		64.56
3	0	0.00	0.0		78.47
4	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-07\2015-07-07\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : .008-4 1:20**

Number of peaks found: 1                      Noise: 0.1

**Peak table for sample 11 : .008-4 1:20**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		63.41
3	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
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**Gel Image**

