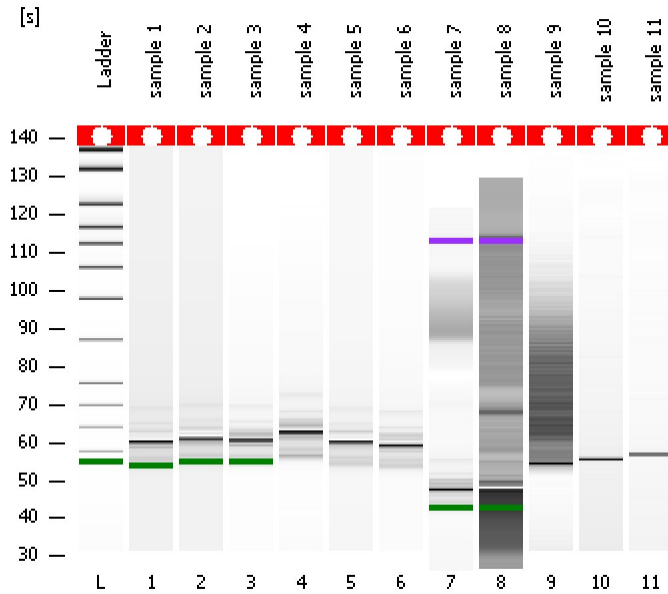


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-07\2014-01-07\_001.xad

Created: 1/7/2014 11:06:30 AM  
Modified: 1/7/2014 11:47:52 AM

### Electrophoresis File Run Summary



#### Instrument Information:

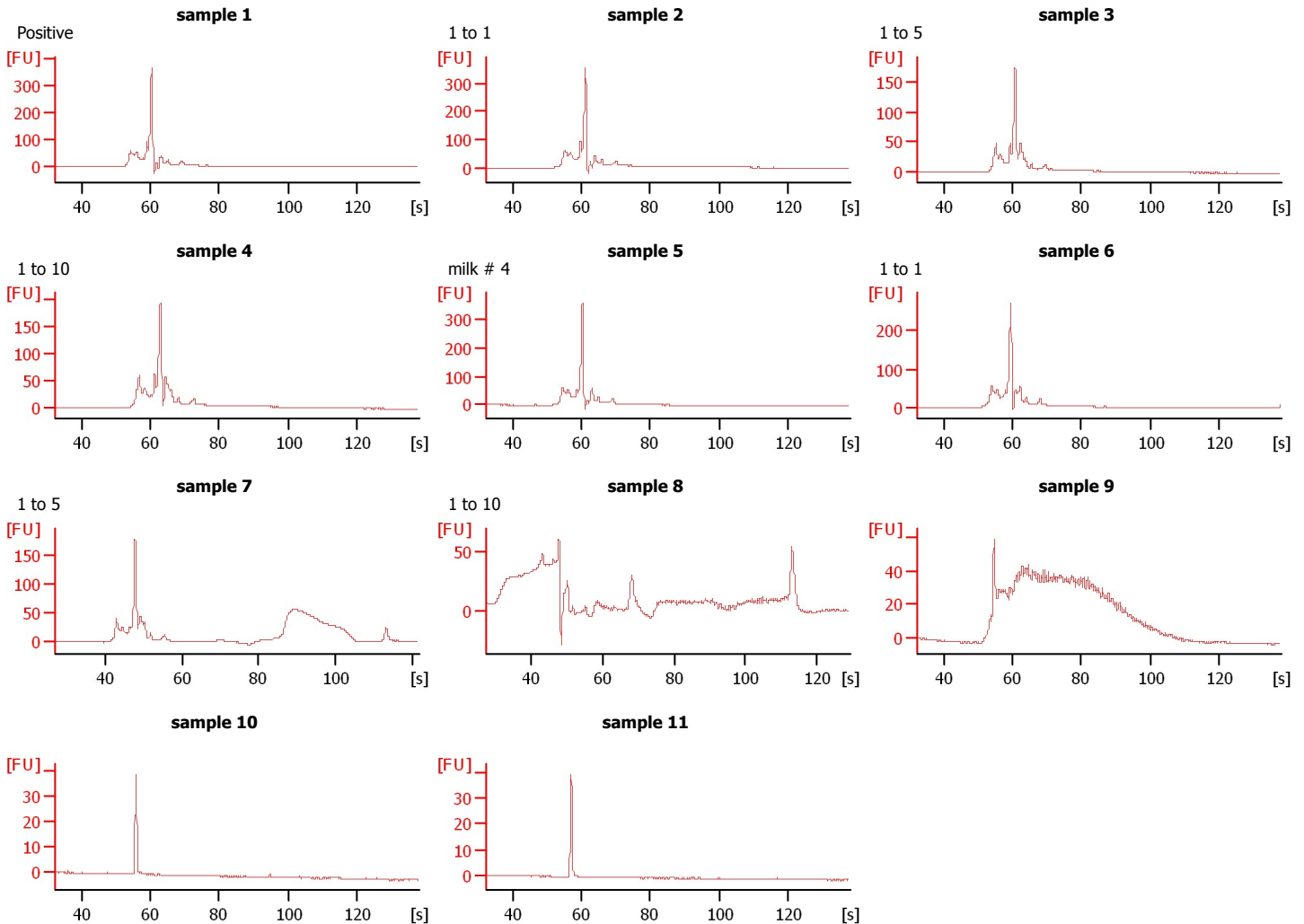
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

#### 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:



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-07\2014-01-07\_001.xad

Created: 1/7/2014 11:06:30 AM  
Modified: 1/7/2014 11:47:52 AM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1	Positive	<input type="checkbox"/>	✓			
sample 2	1 to 1	<input type="checkbox"/>	✓			
sample 3	1 to 5	<input type="checkbox"/>	✓			
sample 4	1 to 10	<input type="checkbox"/>	✓			
sample 5	milk # 4	<input type="checkbox"/>	✓			
sample 6	1 to 1	<input type="checkbox"/>	✓			
sample 7	1 to 5	<input type="checkbox"/>	✓			
sample 8	1 to 10	<input type="checkbox"/>	✓			
sample 9		<input type="checkbox"/>	✓			
sample 10		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-07\2014-01-07\_001.xad

Created: 1/7/2014 11:06:30 AM  
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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

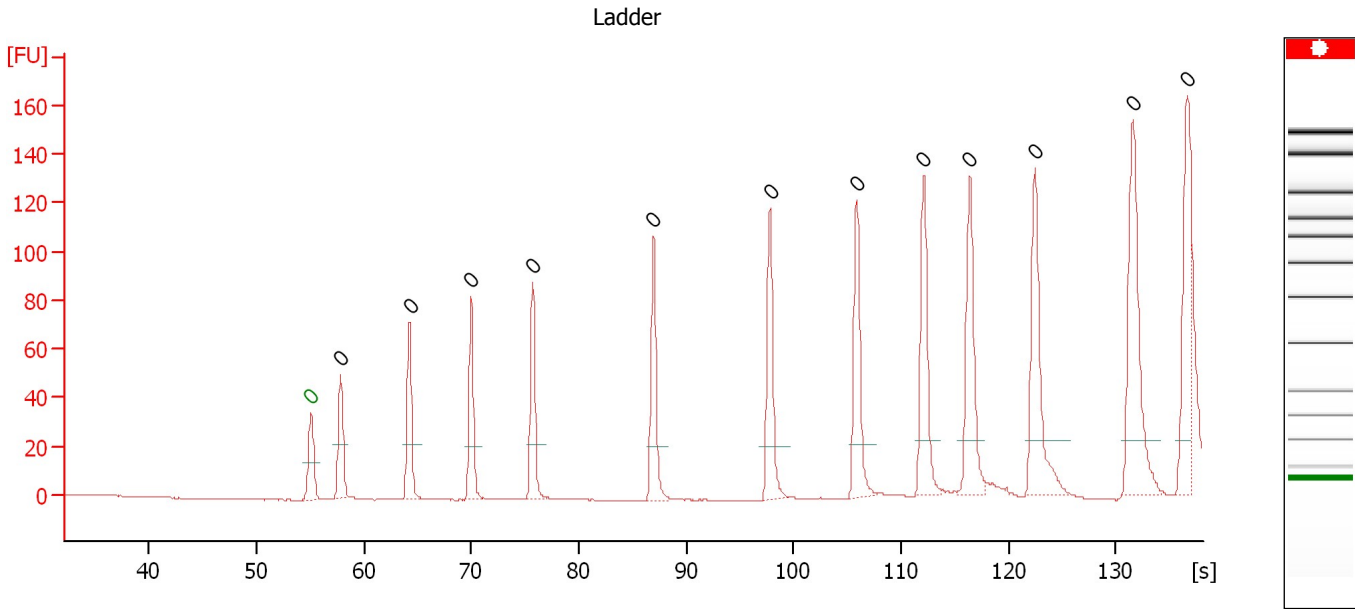
**Ladder**

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

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-07\2014-01-07\_001.xad

Created: 1/7/2014 11:06:30 AM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

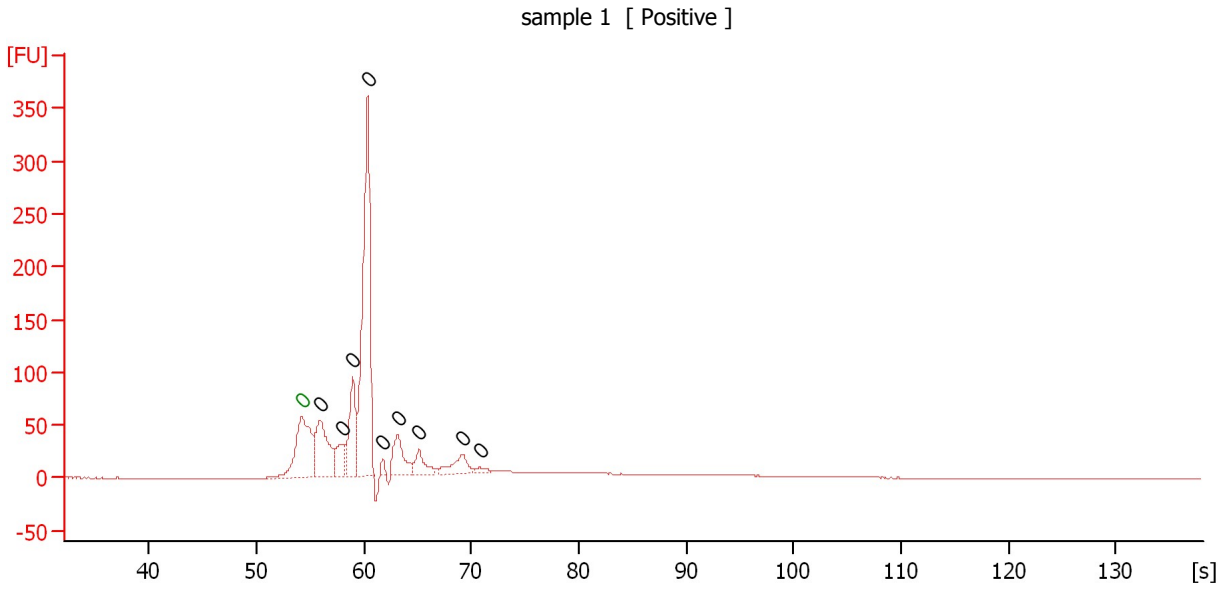
**Peak table for Ladder**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	55.05	0	0.00	0.0	Lower Marker
2	57.85	0	0.00	0.0	Ladder Peak
3	64.25	0	0.00	0.0	Ladder Peak
4	70.00	0	0.00	0.0	Ladder Peak
5	75.70	0	0.00	0.0	Ladder Peak
6	86.95	0	0.00	0.0	Ladder Peak
7	97.80	0	0.00	0.0	Ladder Peak
8	105.85	0	0.00	0.0	Ladder Peak
9	112.10	0	0.00	0.0	Ladder Peak
10	116.40	0	0.00	0.0	Ladder Peak
11	122.45	0	0.00	0.0	Ladder Peak
12	131.65	0	0.00	0.0	Ladder Peak
13	136.65	0	0.00	0.0	Ladder Peak

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-07\2014-01-07\_001.xad

Created: 1/7/2014 11:06:30 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : sample 1**

Number of peaks found: 9                      Noise: 0.2

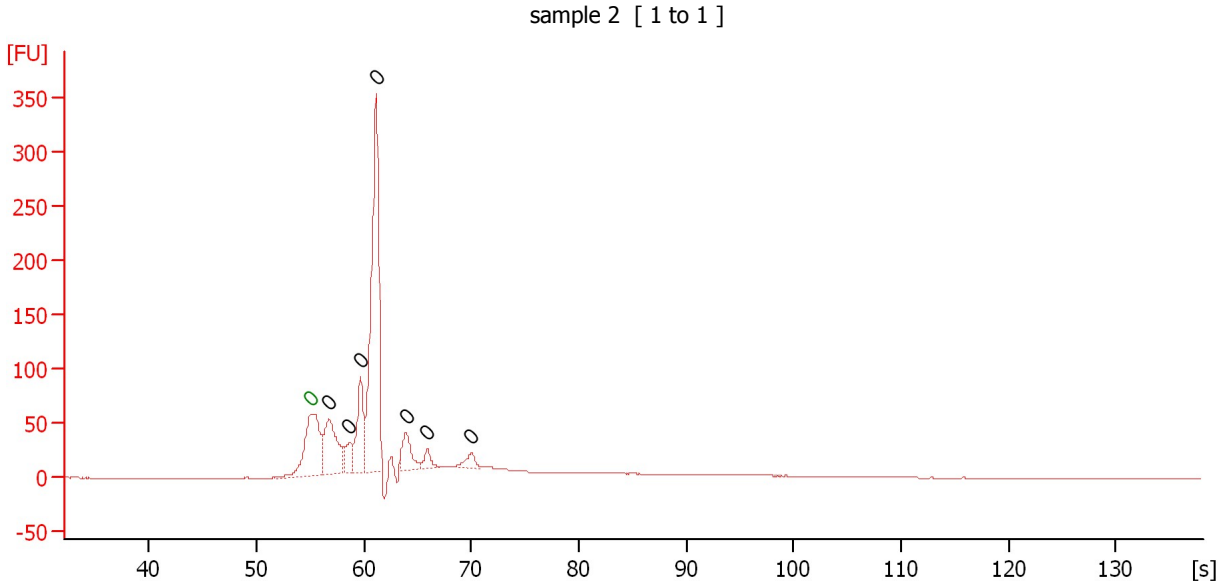
**Peak table for sample 1 : sample 1**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	54.20	0	0.00	0.0	Lower Marker
2	55.90	0	0.00	0.0	
3	57.95	0	0.00	0.0	
4	58.95	0	0.00	0.0	
5	60.35	0	0.00	0.0	
6	61.75	0	0.00	0.0	
7	63.15	0	0.00	0.0	
8	65.15	0	0.00	0.0	
9	69.15	0	0.00	0.0	
10	70.80	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-07\2014-01-07\_001.xad

Created: 1/7/2014 11:06:30 AM  
 Modified: 1/7/2014 11:47:52 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : sample 2**

Number of peaks found: 7                      Noise: 0.1

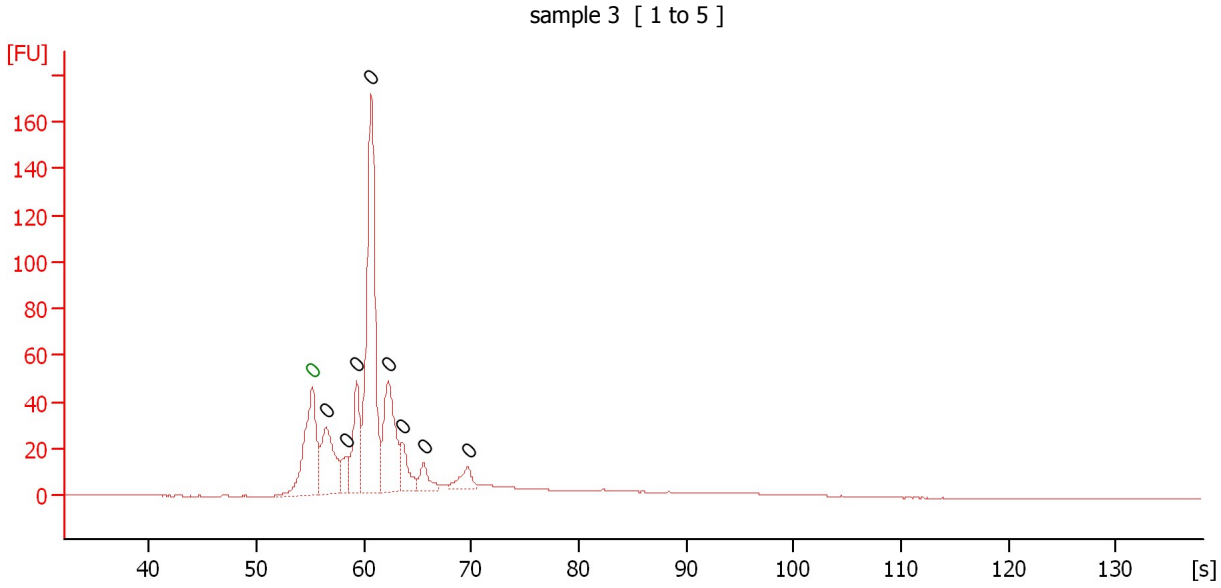
**Peak table for sample 2 : sample 2**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	55.05	0	0.00	0.0	Lower Marker
2	56.75	0	0.00	0.0	
3	58.65	0	0.00	0.0	
4	59.65	0	0.00	0.0	
5	61.15	0	0.00	0.0	
6	63.90	0	0.00	0.0	
7	65.90	0	0.00	0.0	
8	70.00	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-07\2014-01-07\_001.xad

Created: 1/7/2014 11:06:30 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : sample 3**

Number of peaks found: 8                      Noise: 0.1

**Peak table for sample 3 : sample 3**

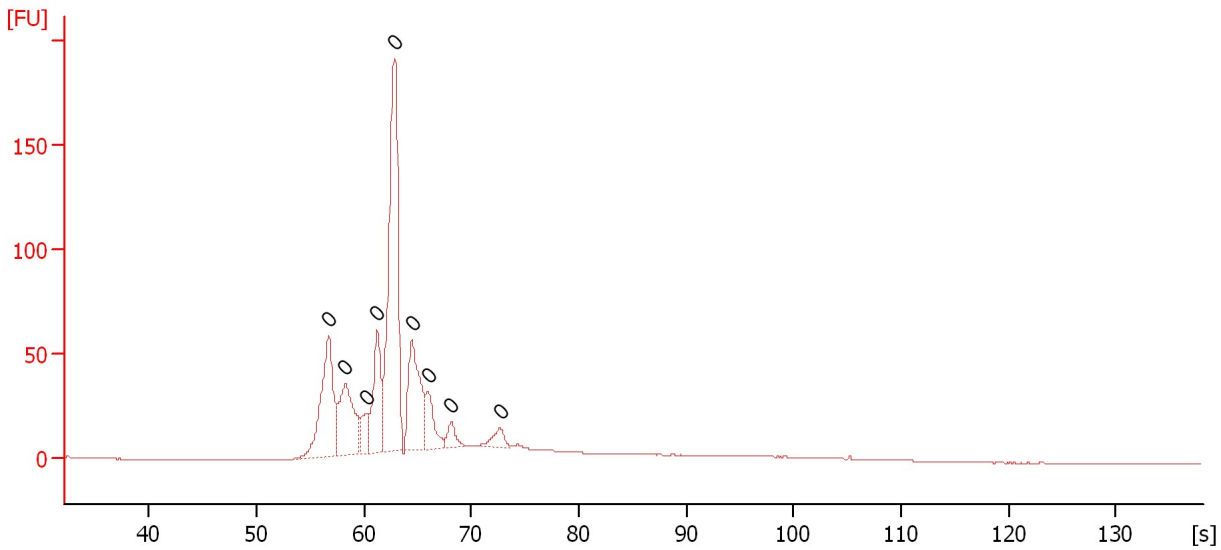
Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	55.20	0	0.00	0.0	Lower Marker
2	56.45	0	0.00	0.0	
3	58.35	0	0.00	0.0	
4	59.30	0	0.00	0.0	
5	60.70	0	0.00	0.0	
6	62.25	0	0.00	0.0	
7	63.55	0	0.00	0.0	
8	65.55	0	0.00	0.0	
9	69.65	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-07\2014-01-07\_001.xad

Created: 1/7/2014 11:06:30 AM  
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**Electropherogram Summary Continued ...**

sample 4 [ 1 to 10 ]



**Overall Results for sample 4 : sample 4**

Number of peaks found: 0                      Noise: 0.1

**Peak table for sample 4 : sample 4**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	56.70	0	0.00	0.0	
2	58.25	0	0.00	0.0	
3	60.15	0	0.00	0.0	
4	61.25	0	0.00	0.0	
5	62.85	0	0.00	0.0	
6	64.45	0	0.00	0.0	
7	65.95	0	0.00	0.0	
8	68.15	0	0.00	0.0	
9	72.65	0	0.00	0.0	

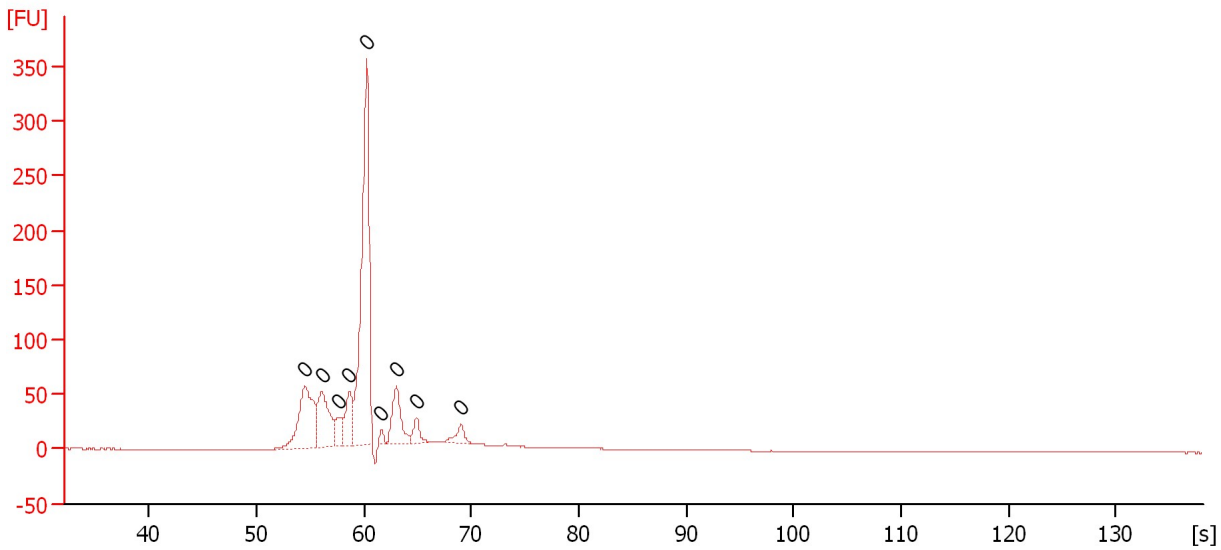


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-07\2014-01-07\_001.xad

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**Electropherogram Summary Continued ...**

sample 5 [ milk # 4 ]



**Overall Results for sample 5 : sample 5**

Number of peaks found: 0                      Noise: 0.1

**Peak table for sample 5 : sample 5**

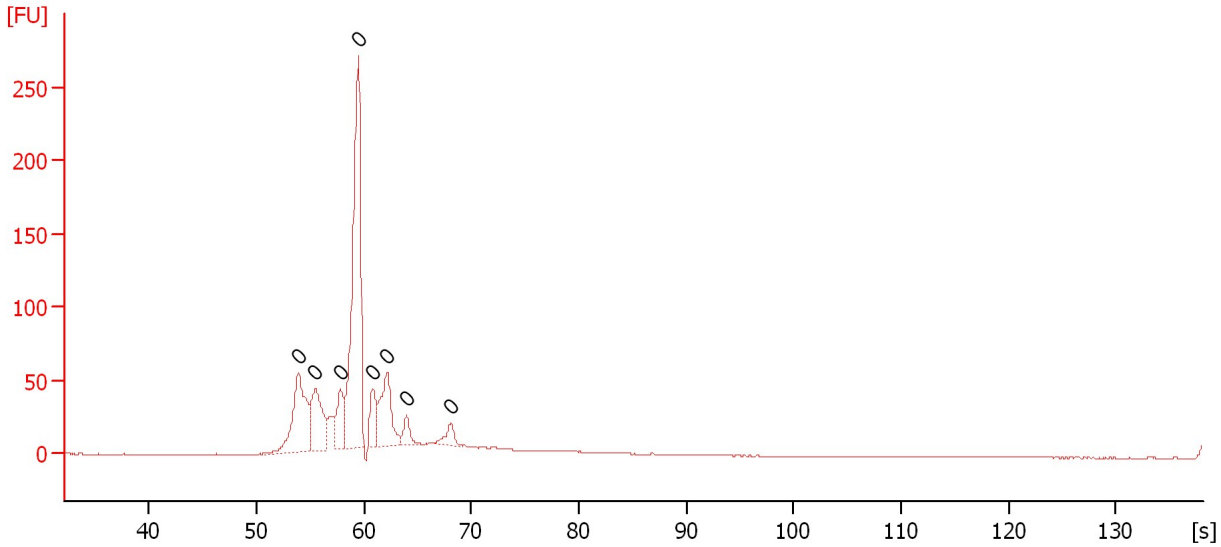
Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	54.50	0	0.00	0.0	
2	56.05	0	0.00	0.0	
3	57.70	0	0.00	0.0	
4	58.65	0	0.00	0.0	
5	60.25	0	0.00	0.0	
6	61.60	0	0.00	0.0	
7	63.00	0	0.00	0.0	
8	64.90	0	0.00	0.0	
9	69.05	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-07\2014-01-07\_001.xad

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**Electropherogram Summary Continued ...**

sample 6 [ 1 to 1 ]



**Overall Results for sample 6 : sample 6**

Number of peaks found: 0                      Noise: 0.1

**Peak table for sample 6 : sample 6**

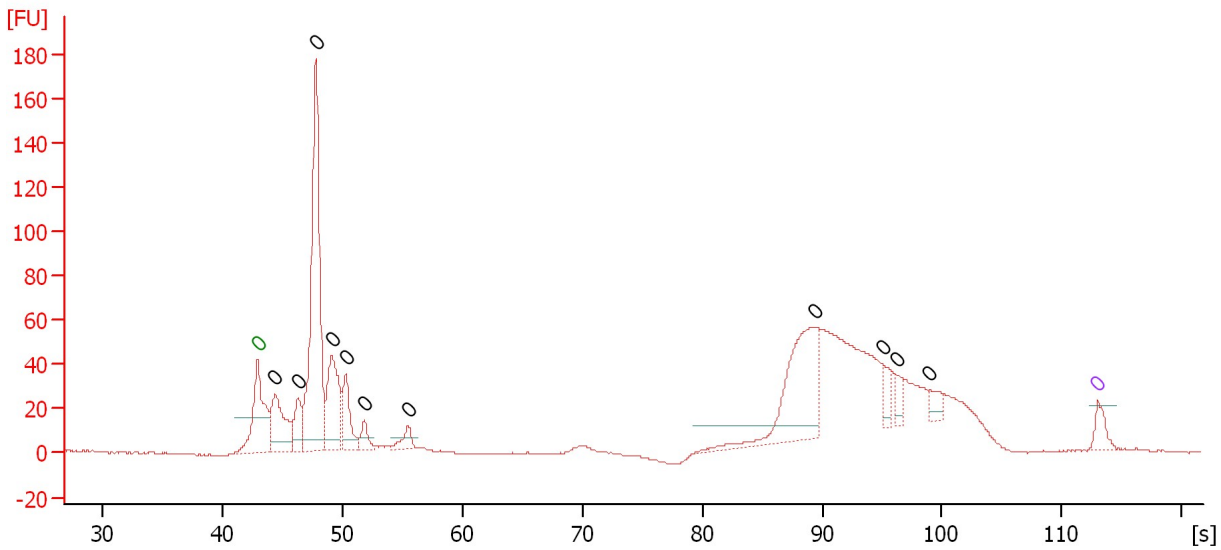
Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	53.90	0	0.00	0.0	
2	55.45	0	0.00	0.0	
3	57.80	0	0.00	0.0	
4	59.45	0	0.00	0.0	
5	60.80	0	0.00	0.0	
6	62.15	0	0.00	0.0	
7	64.00	0	0.00	0.0	
8	68.10	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-07\2014-01-07\_001.xad

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**Electropherogram Summary Continued ...**

sample 7 [ 1 to 5 ]



**Overall Results for sample 7 : sample 7**

Number of peaks found: 11                      Noise: 0.2

**Peak table for sample 7 : sample 7**

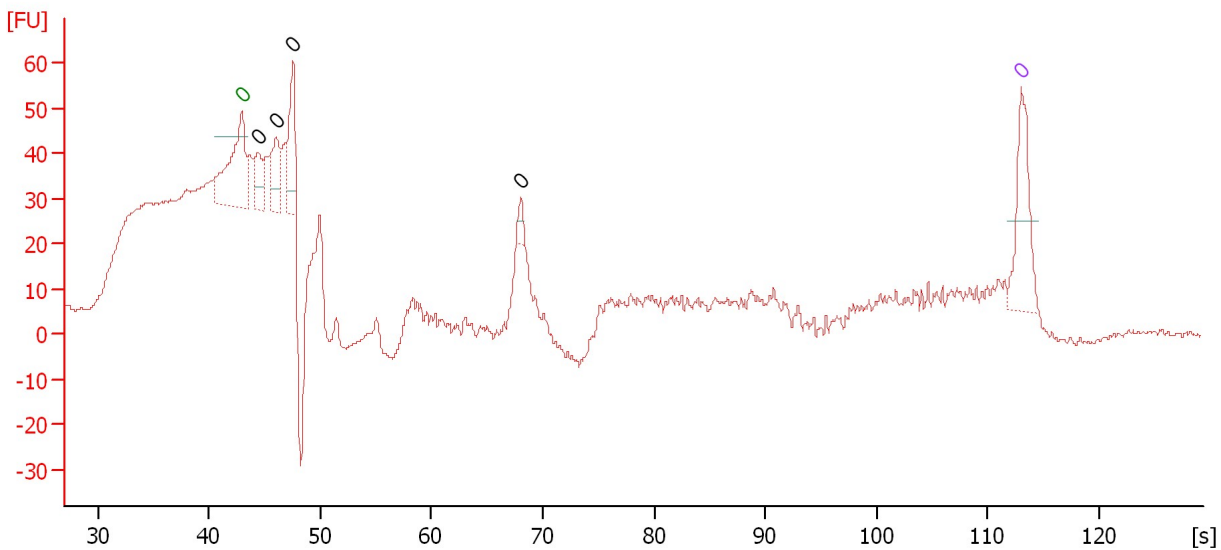
Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	0	0.00	0.0	Lower Marker
2	44.48	0	0.00	0.0	
3	46.35	0	0.00	0.0	
4	47.83	0	0.00	0.0	
5	49.17	0	0.00	0.0	
6	50.34	0	0.00	0.0	
7	51.90	0	0.00	0.0	
8	55.52	0	0.00	0.0	
9	89.47	0	0.00	0.0	
10	95.06	0	0.00	0.0	
11	96.18	0	0.00	0.0	
12	99.00	0	0.00	0.0	
13	113.00	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-07\2014-01-07\_001.xad

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**Electropherogram Summary Continued ...**

sample 8 [ 1 to 10 ]



**Overall Results for sample 8 : sample 8**

Number of peaks found: 4                      Noise: 0.5

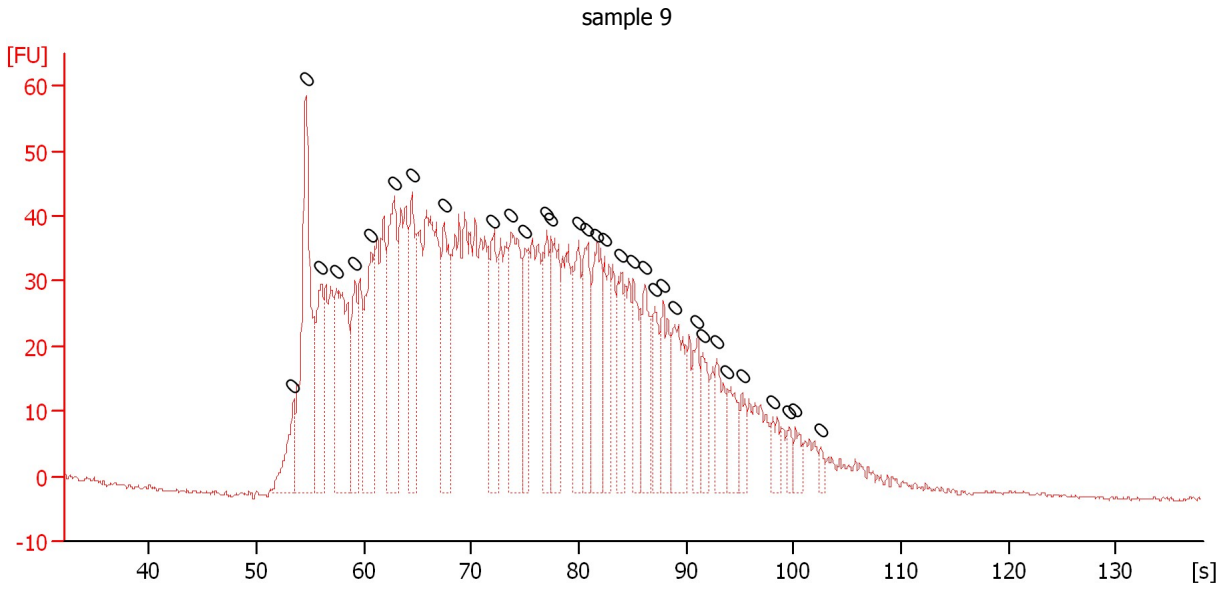
**Peak table for sample 8 : sample 8**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	0	0.00	0.0	Lower Marker
2	44.40	0	0.00	0.0	
3	46.04	0	0.00	0.0	
4	47.58	0	0.00	0.0	
5	68.04	0	0.00	0.0	
6	113.00	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-07\2014-01-07\_001.xad

Created: 1/7/2014 11:06:30 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : sample 9**

Number of peaks found: 0                      Noise: 0.3

**Peak table for sample 9 : sample 9**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	53.40	0	0.00	0.0	
2	54.60	0	0.00	0.0	
3	56.00	0	0.00	0.0	
4	57.40	0	0.00	0.0	
5	59.15	0	0.00	0.0	
6	60.70	0	0.00	0.0	
7	62.80	0	0.00	0.0	
8	64.50	0	0.00	0.0	
9	67.45	0	0.00	0.0	
10	72.05	0	0.00	0.0	
11	73.70	0	0.00	0.0	
12	75.05	0	0.00	0.0	
13	77.05	0	0.00	0.0	
14	77.40	0	0.00	0.0	
15	79.95	0	0.00	0.0	
16	80.80	0	0.00	0.0	
17	81.60	0	0.00	0.0	
18	82.40	0	0.00	0.0	
19	83.90	0	0.00	0.0	
20	85.10	0	0.00	0.0	
21	86.15	0	0.00	0.0	
22	87.05	0	0.00	0.0	
23	87.85	0	0.00	0.0	
24	88.90	0	0.00	0.0	
25	91.05	0	0.00	0.0	
26	91.55	0	0.00	0.0	
27	92.85	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-07\2014-01-07\_001.xad

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**Electropherogram Summary Continued ...****... Peak table for sample 9 : sample 9**

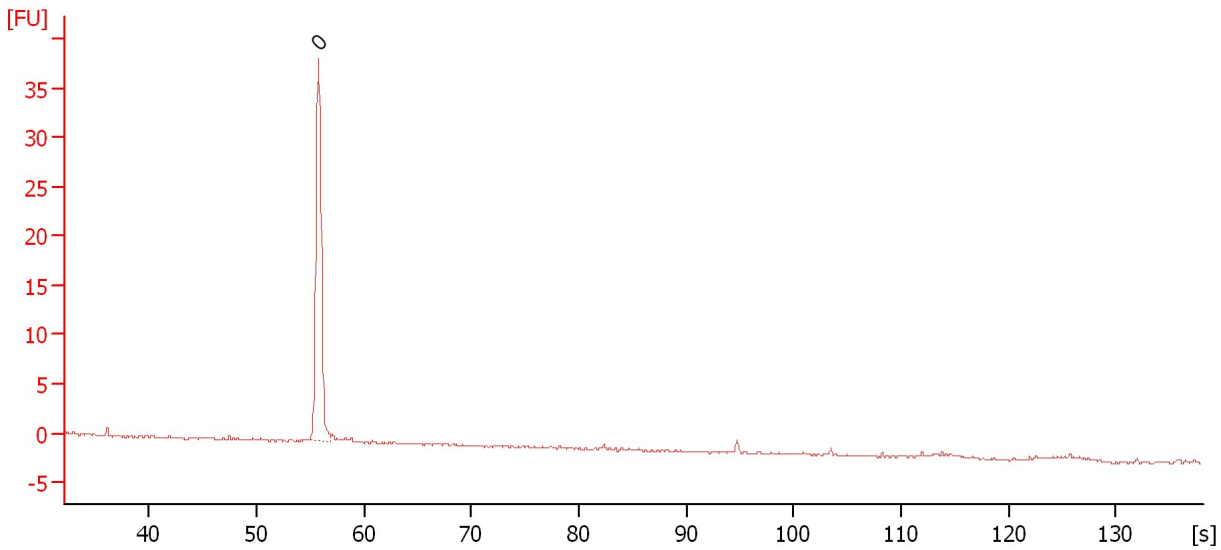
<b>Peak</b>	<b>Aligned Migration Time [s]</b>	<b>Size [bp]</b>	<b>Conc. [pg/<math>\mu</math>l]</b>	<b>Molarity [pmol/l]</b>	<b>Observations</b>
28	93.85	0	0.00	0.0	
29	95.20	0	0.00	0.0	
30	98.05	0	0.00	0.0	
31	99.60	0	0.00	0.0	
32	100.20	0	0.00	0.0	
33	102.55	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-07\2014-01-07\_001.xad

Created: 1/7/2014 11:06:30 AM  
Modified: 1/7/2014 11:47:52 AM

**Electropherogram Summary Continued ...**

sample 10



**Overall Results for sample 10 : sample 10**

Number of peaks found: 0                      Noise: 0.1

**Peak table for sample 10 : sample 10**

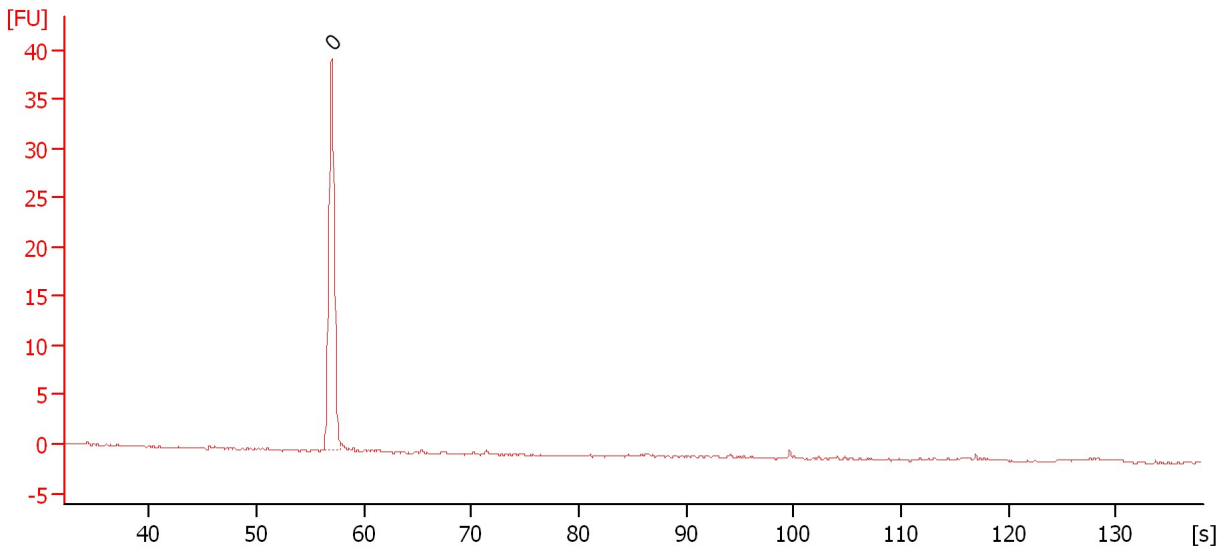
Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	55.75	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-07\2014-01-07\_001.xad

Created: 1/7/2014 11:06:30 AM  
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**Electropherogram Summary Continued ...**

sample 11



**Overall Results for sample 11 : sample 11**

Number of peaks found: 0                      Noise: 0.1

**Peak table for sample 11 : sample 11**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	57.00	0	0.00	0.0	



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-07\2014-01-07\_001.xad

Created: 1/7/2014 11:06:30 AM  
Modified: 1/7/2014 11:47:52 AM

**Gel Image**

