

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-20\2019-02-20\_001.xad

Created: 2/20/2019 12:39:46 PM  
Modified: 2/20/2019 1:21:03 PM

**Electrophoresis File Run Summary**

Instrument Information:

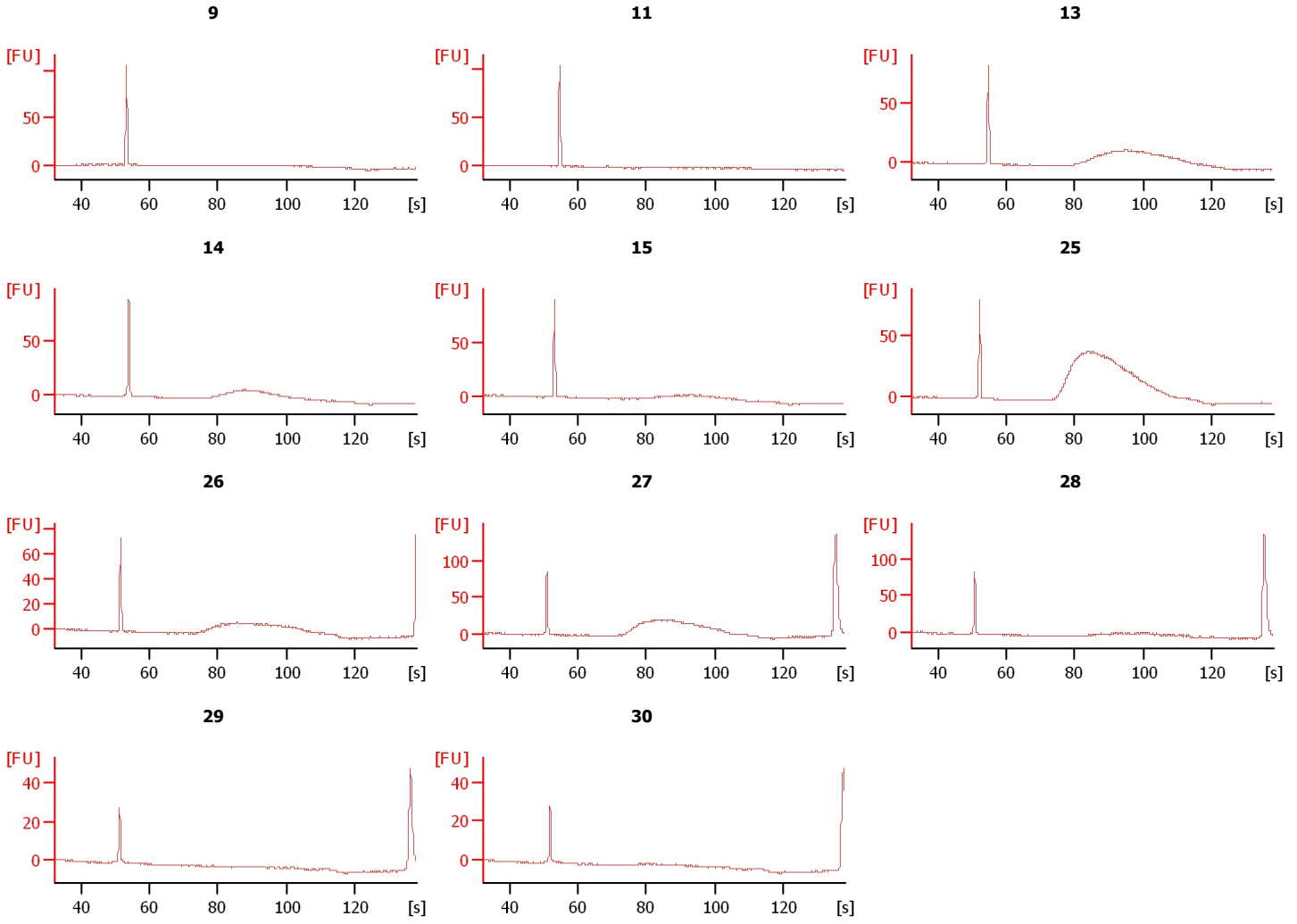
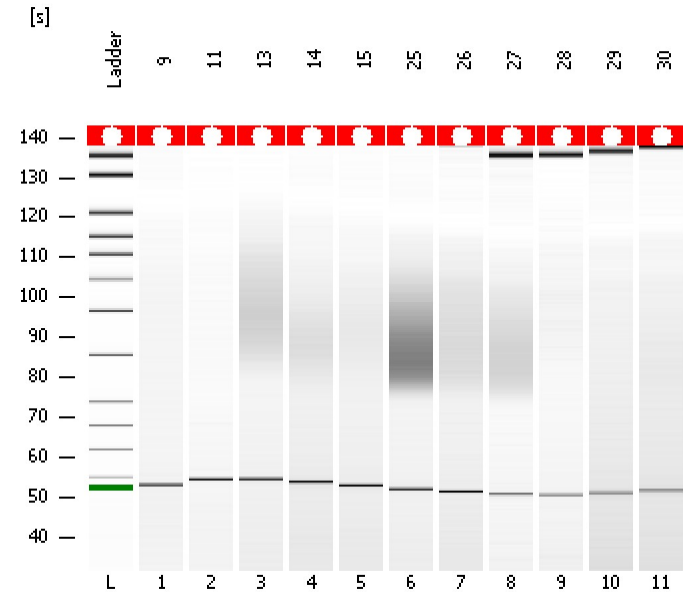
Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

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
9		<input type="checkbox"/>	✓			
11		<input type="checkbox"/>	✓			
13		<input type="checkbox"/>	✓			
14		<input type="checkbox"/>	✓			
15		<input type="checkbox"/>	✓			
25		<input type="checkbox"/>	✓			
26		<input type="checkbox"/>	✓			
27		<input type="checkbox"/>	✓			
28		<input type="checkbox"/>	✓			
29		<input type="checkbox"/>	✓			
30		<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

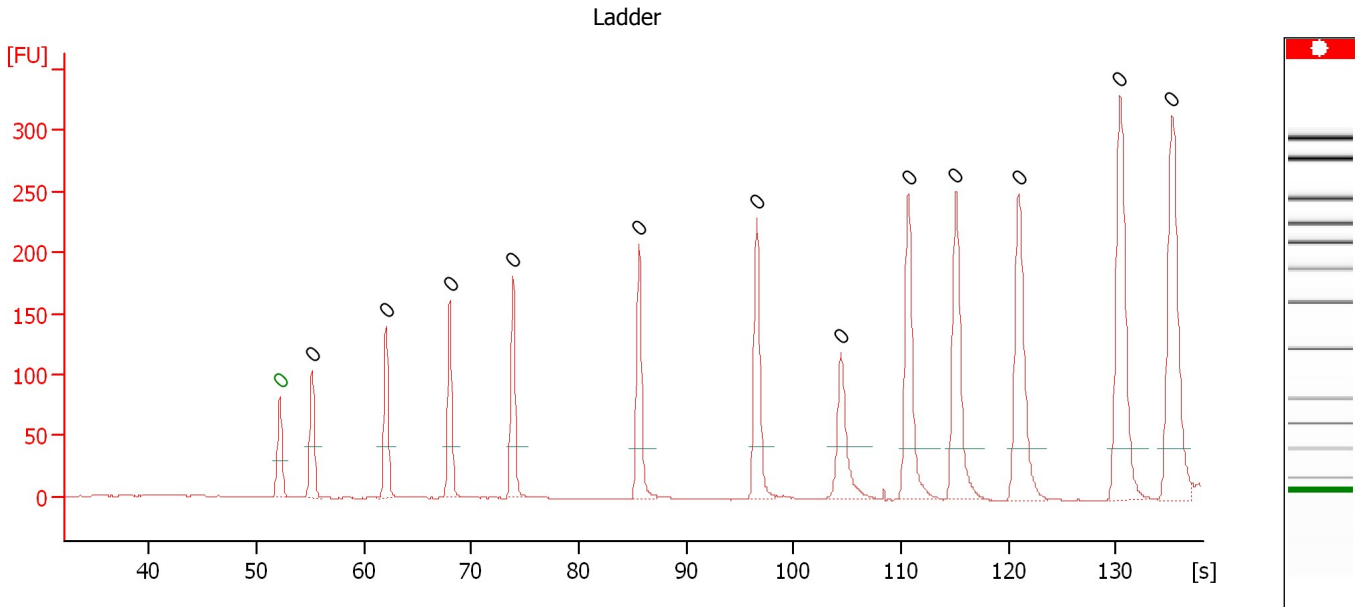
**Ladder**

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: 0.4

**Peak table for Ladder**

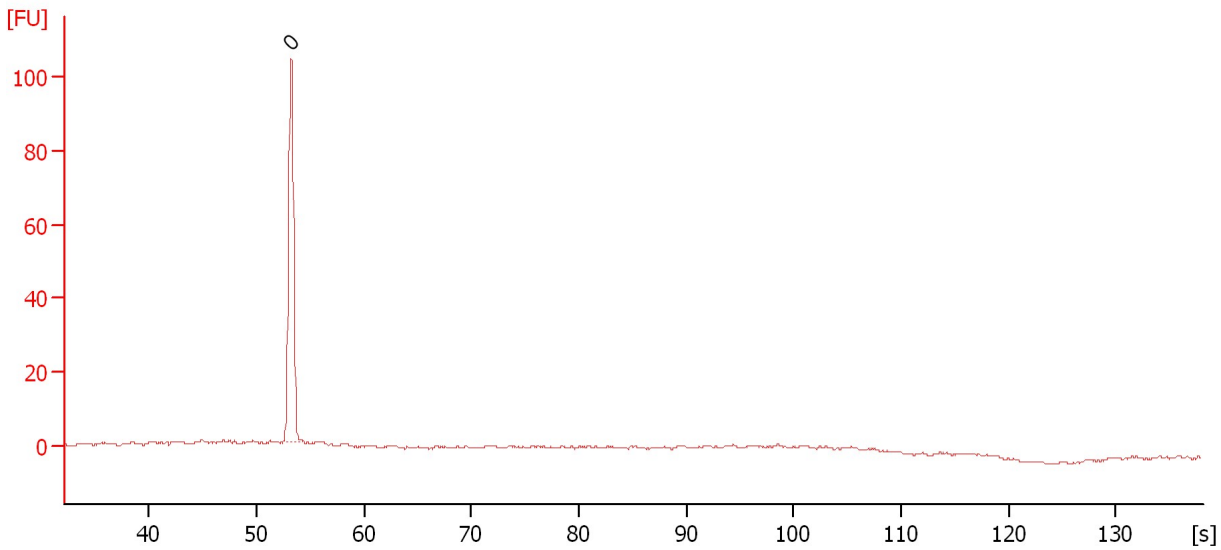
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	52.15
2	0	0.00	0.0	Ladder Peak	55.15
3	0	0.00	0.0	Ladder Peak	62.05
4	0	0.00	0.0	Ladder Peak	68.00
5	0	0.00	0.0	Ladder Peak	73.85
6	0	0.00	0.0	Ladder Peak	85.60
7	0	0.00	0.0	Ladder Peak	96.60
8	0	0.00	0.0	Ladder Peak	104.40
9	0	0.00	0.0	Ladder Peak	110.70
10	0	0.00	0.0	Ladder Peak	115.10
11	0	0.00	0.0	Ladder Peak	120.95
12	0	0.00	0.0	Ladder Peak	130.40
13	0	0.00	0.0	Ladder Peak	135.20

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**Electropherogram Summary Continued ...**

9



**Overall Results for sample 1 : 9**

Number of peaks found: 0                      Noise: 0.4

**Peak table for sample 1 : 9**

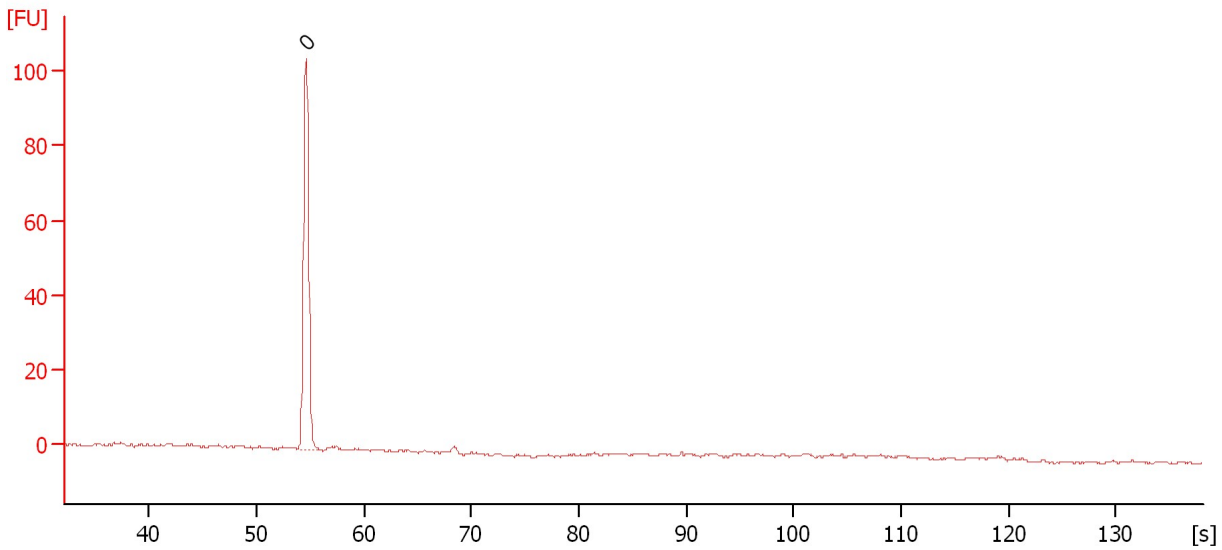
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		53.20

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

11



**Overall Results for sample 2 : 11**

Number of peaks found: 0                      Noise: 0.4

**Peak table for sample 2 : 11**

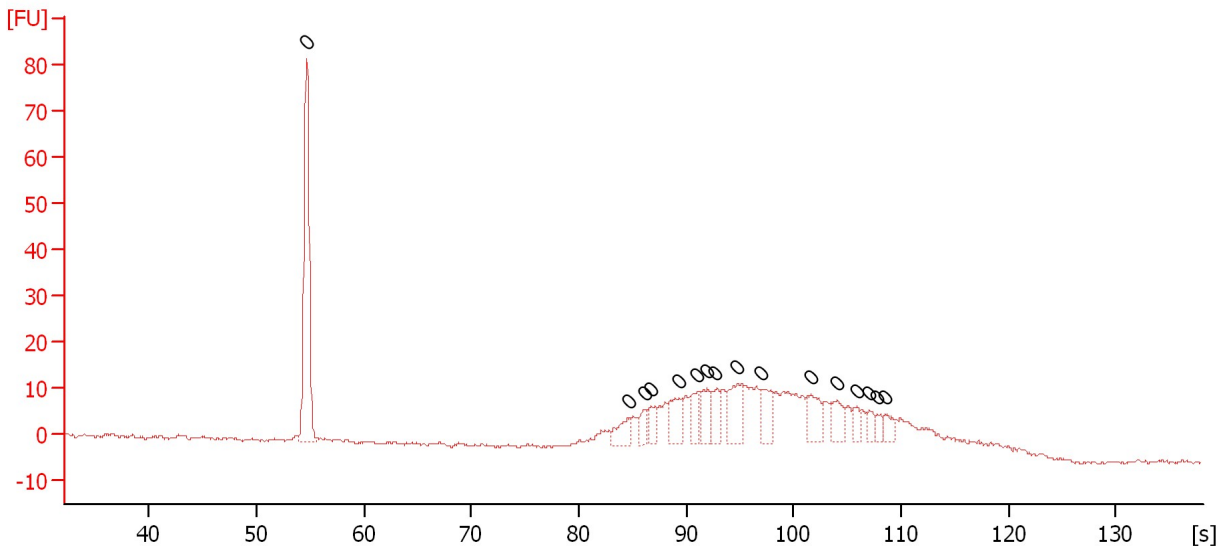
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		54.60

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-20\2019-02-20\_001.xad

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Electropherogram Summary Continued ...

13



Overall Results for sample 3 : 13

Number of peaks found: 0                      Noise: 0.3

Peak table for sample 3 : 13

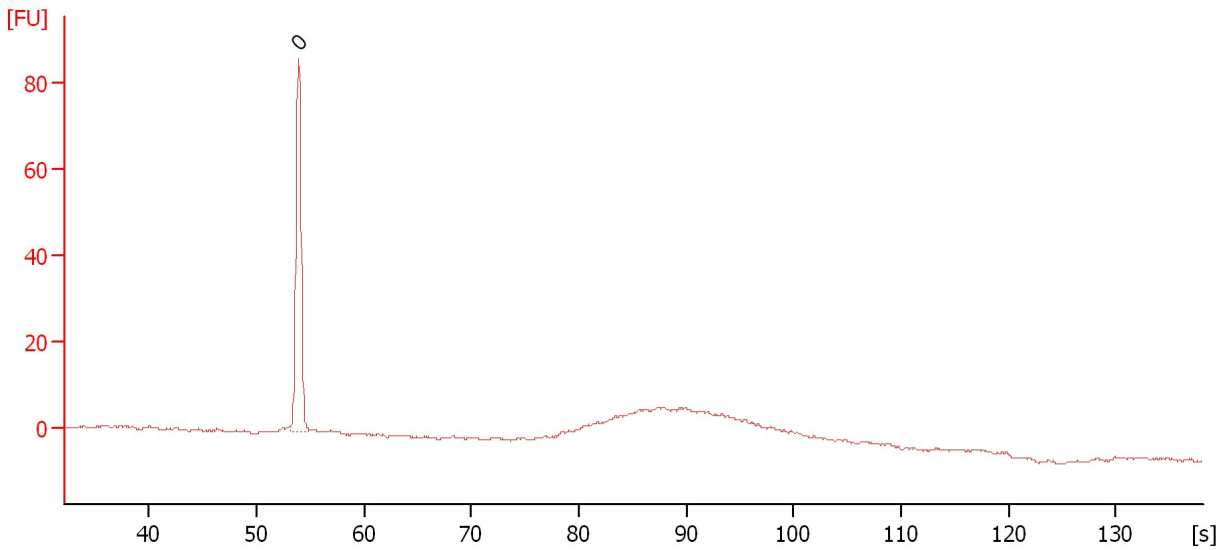
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		54.65
2	0	0.00	0.0		84.70
3	0	0.00	0.0		86.20
4	0	0.00	0.0		86.75
5	0	0.00	0.0		89.35
6	0	0.00	0.0		91.00
7	0	0.00	0.0		91.95
8	0	0.00	0.0		92.75
9	0	0.00	0.0		94.80
10	0	0.00	0.0		96.95
11	0	0.00	0.0		101.60
12	0	0.00	0.0		104.00
13	0	0.00	0.0		105.85
14	0	0.00	0.0		107.10
15	0	0.00	0.0		107.75
16	0	0.00	0.0		108.60

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**Electropherogram Summary Continued ...**

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**Overall Results for sample 4 : 14**

Number of peaks found: 0                      Noise: 0.3

**Peak table for sample 4 : 14**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		53.90

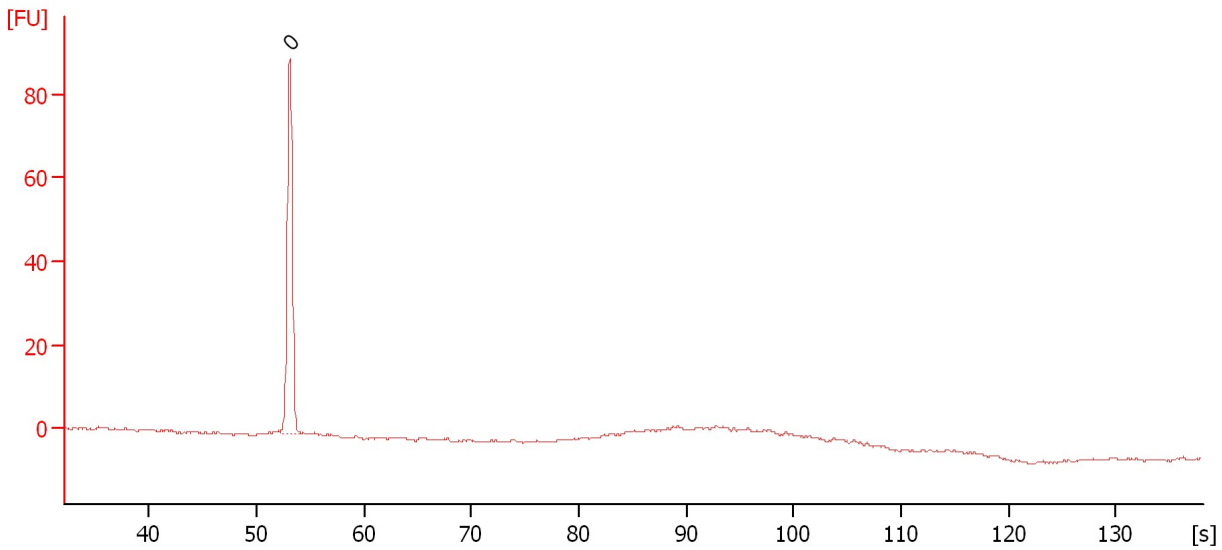


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-20\2019-02-20\_001.xad

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**Electropherogram Summary Continued ...**

15



**Overall Results for sample 5 : 15**

Number of peaks found: 0                      Noise: 0.3

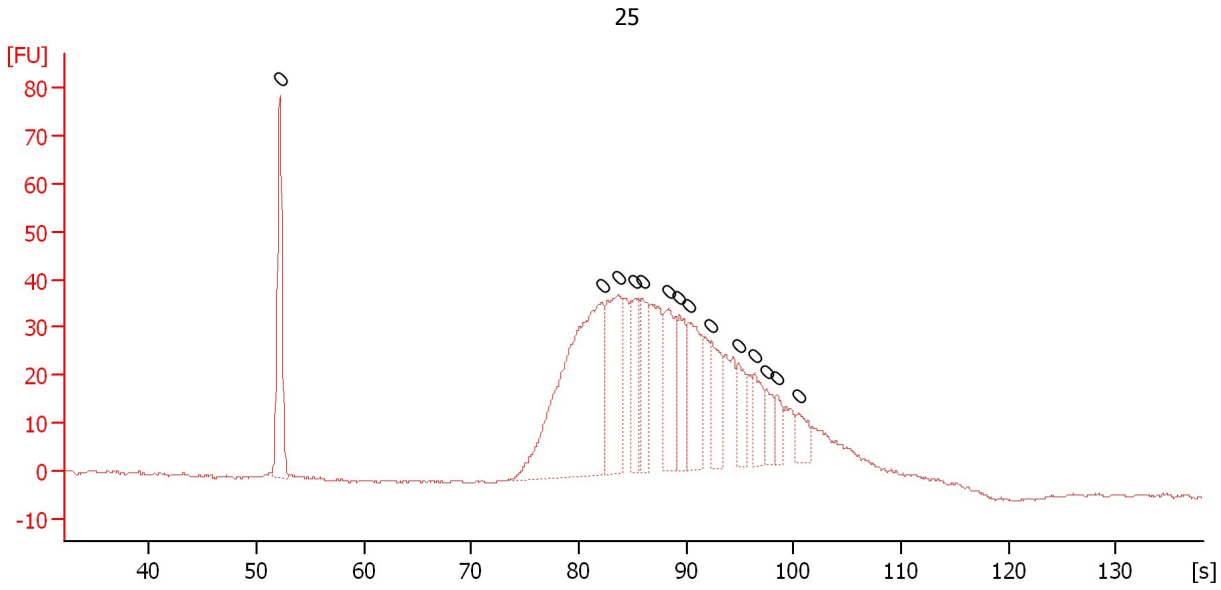
**Peak table for sample 5 : 15**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		53.10

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-20\2019-02-20\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 25**

Number of peaks found: 0                      Noise: 0.2

**Peak table for sample 6 : 25**

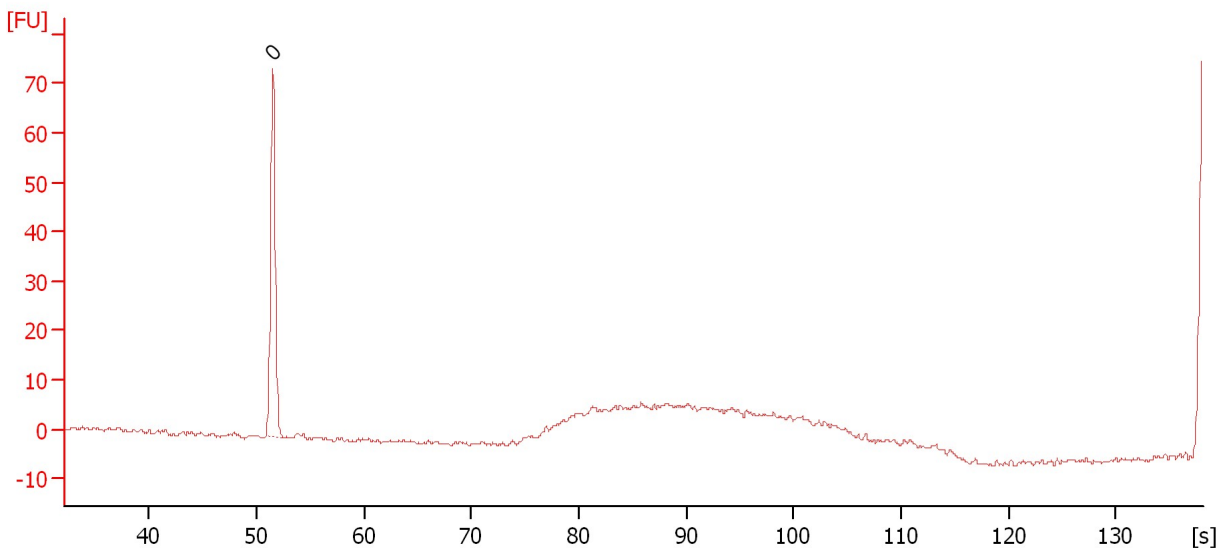
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		52.15
2	0	0.00	0.0		82.15
3	0	0.00	0.0		83.70
4	0	0.00	0.0		85.20
5	0	0.00	0.0		85.90
6	0	0.00	0.0		88.30
7	0	0.00	0.0		89.40
8	0	0.00	0.0		90.20
9	0	0.00	0.0		92.30
10	0	0.00	0.0		94.90
11	0	0.00	0.0		96.40
12	0	0.00	0.0		97.50
13	0	0.00	0.0		98.40
14	0	0.00	0.0		100.45

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-20\2019-02-20\_001.xad

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**Electropherogram Summary Continued ...**

26



**Overall Results for sample 7 : 26**

Number of peaks found: 0                      Noise: 0.4

**Peak table for sample 7 : 26**

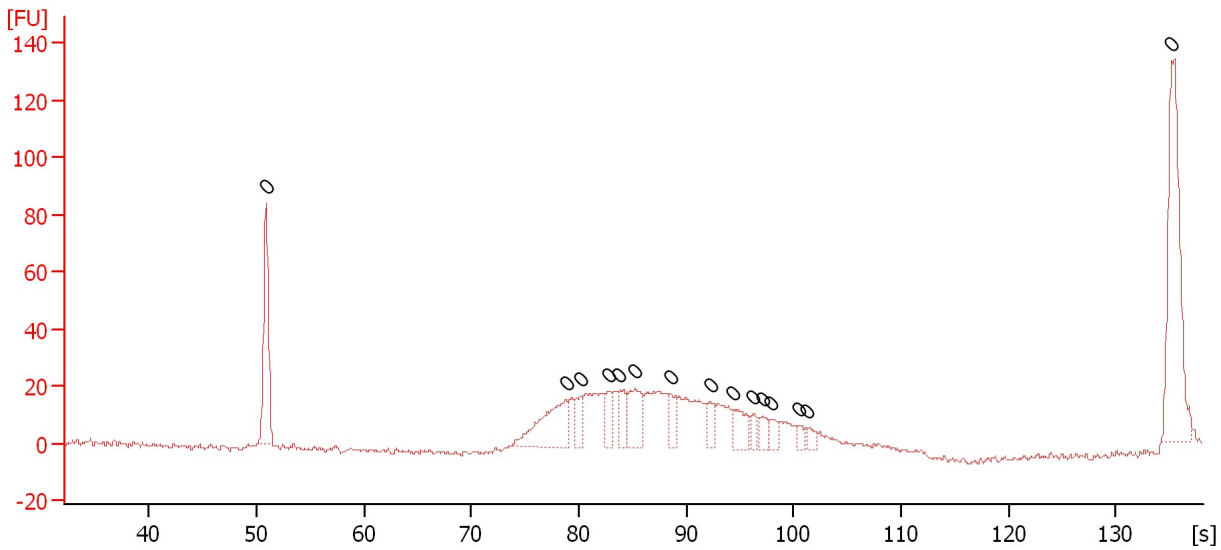
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		51.50

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

27



**Overall Results for sample 8 : 27**

Number of peaks found: 0                      Noise: 0.7

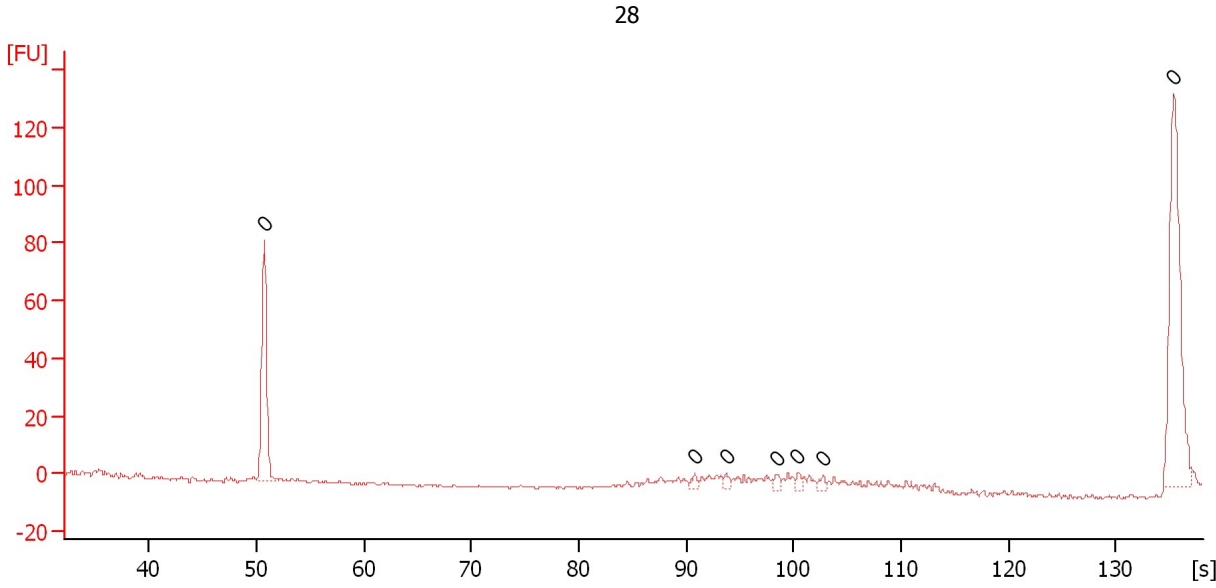
**Peak table for sample 8 : 27**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		50.90
2	0	0.00	0.0		78.80
3	0	0.00	0.0		80.20
4	0	0.00	0.0		82.85
5	0	0.00	0.0		83.80
6	0	0.00	0.0		85.25
7	0	0.00	0.0		88.55
8	0	0.00	0.0		92.25
9	0	0.00	0.0		94.40
10	0	0.00	0.0		96.30
11	0	0.00	0.0		97.05
12	0	0.00	0.0		97.85
13	0	0.00	0.0		100.55
14	0	0.00	0.0		101.25
15	0	0.00	0.0		135.25

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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 28**

Number of peaks found: 0                      Noise: 0.4

**Peak table for sample 9 : 28**

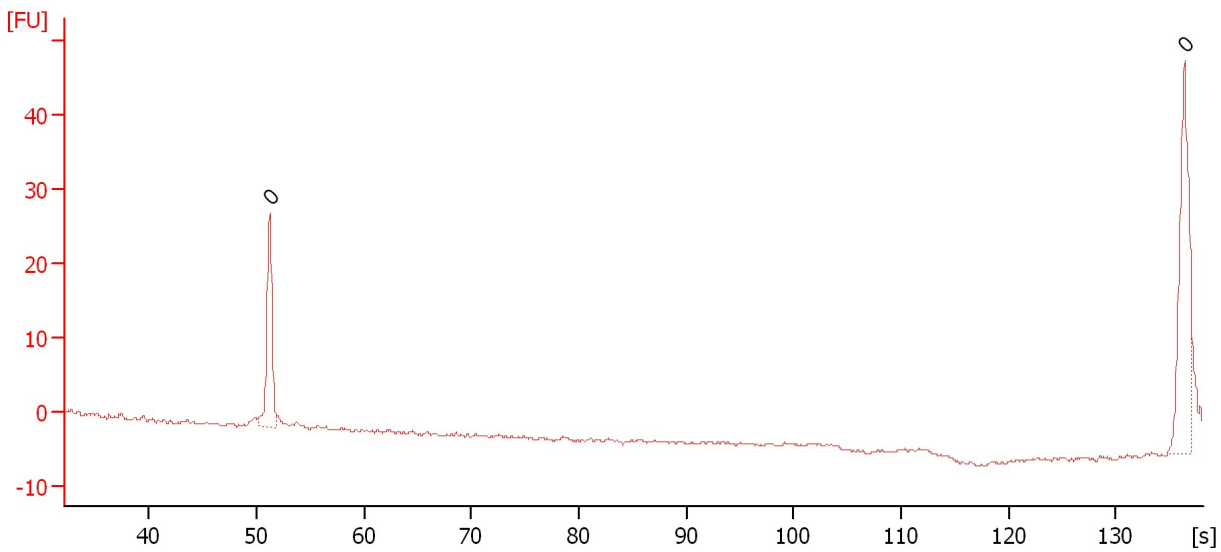
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		50.70
2	0	0.00	0.0		90.80
3	0	0.00	0.0		93.70
4	0	0.00	0.0		98.50
5	0	0.00	0.0		100.40
6	0	0.00	0.0		102.75
7	0	0.00	0.0		135.40

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-20\2019-02-20\_001.xad

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**Electropherogram Summary Continued ...**

29



**Overall Results for sample 10 : 29**

Number of peaks found: 0                      Noise: 0.2

**Peak table for sample 10 : 29**

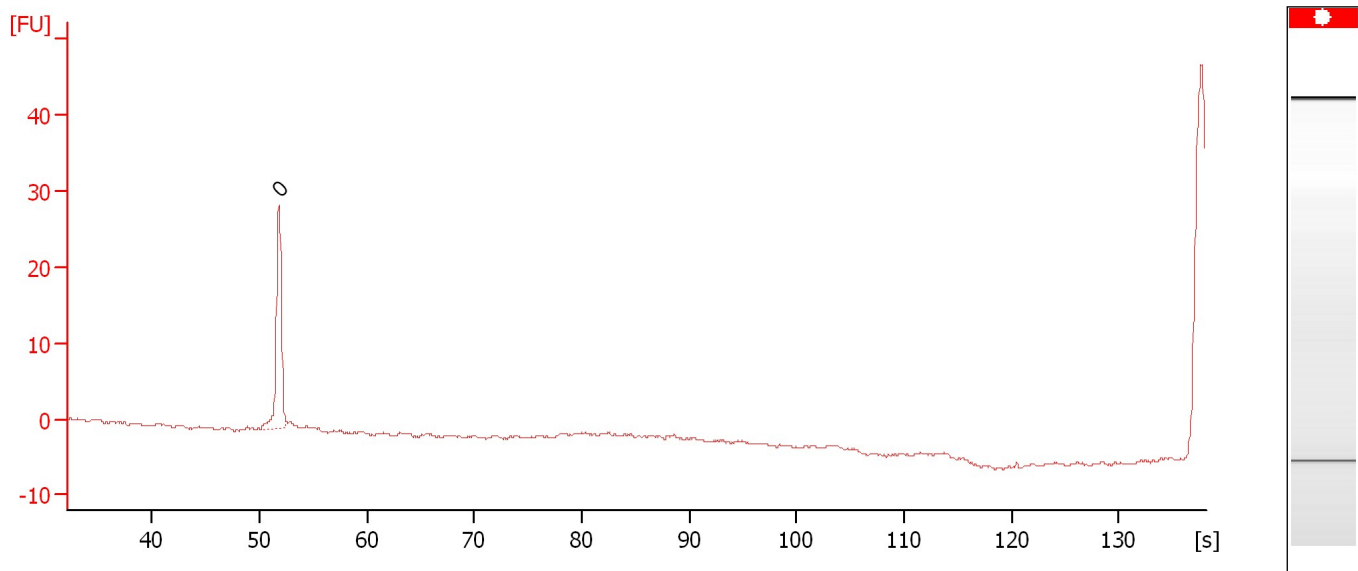
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		51.20
2	0	0.00	0.0		136.40

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-20\2019-02-20\_001.xad

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**Electropherogram Summary Continued ...**

30



**Overall Results for sample 11 : 30**

Number of peaks found: 0                      Noise: 0.2

**Peak table for sample 11 : 30**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		51.80

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-20\2019-02-20\_001.xad

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**Gel Image**

