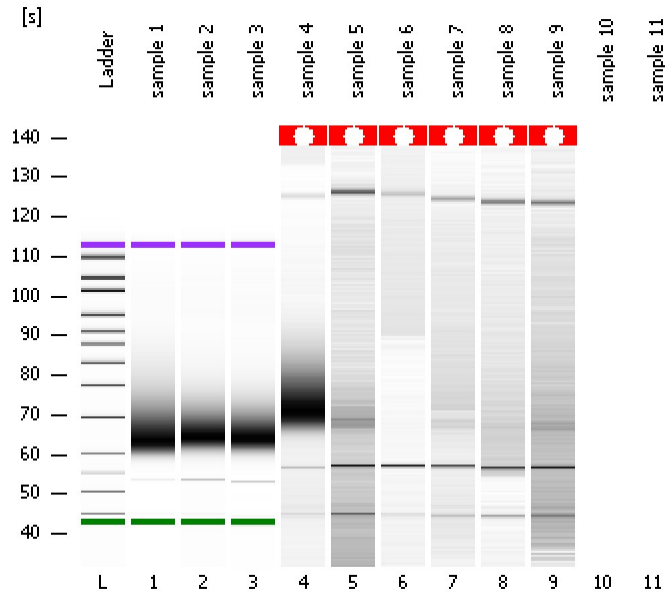


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19\_002.xad

Created: 12/19/2017 1:27:54 PM  
Modified: 12/19/2017 2:03:29 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

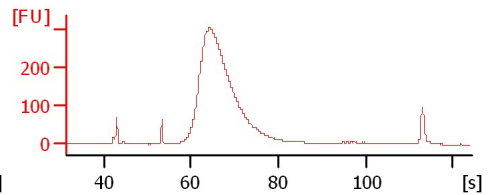
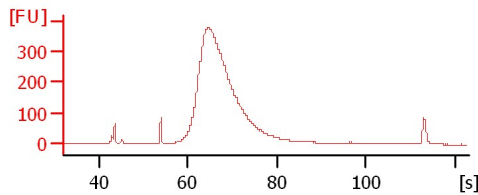
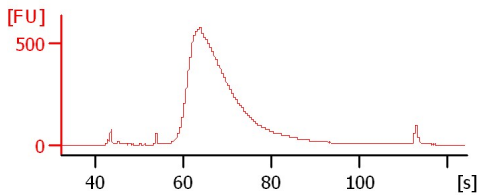
#### Chip Information:

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

sample 1

sample 2

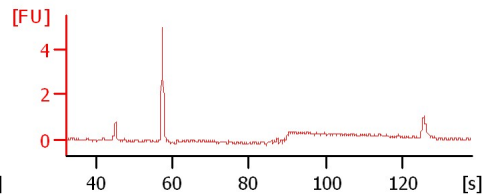
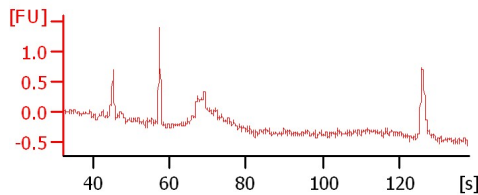
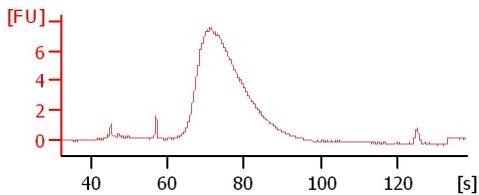
sample 3



sample 4

sample 5

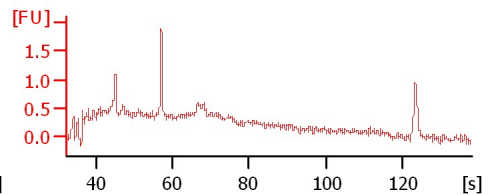
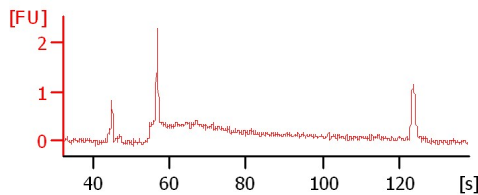
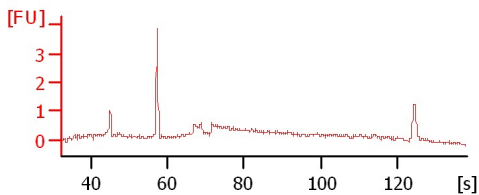
sample 6



sample 7

sample 8

sample 9



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19\_002.xad

Created: 12/19/2017 1:27:54 PM  
Modified: 12/19/2017 2:03:29 PM

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

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

**Chip Lot #**

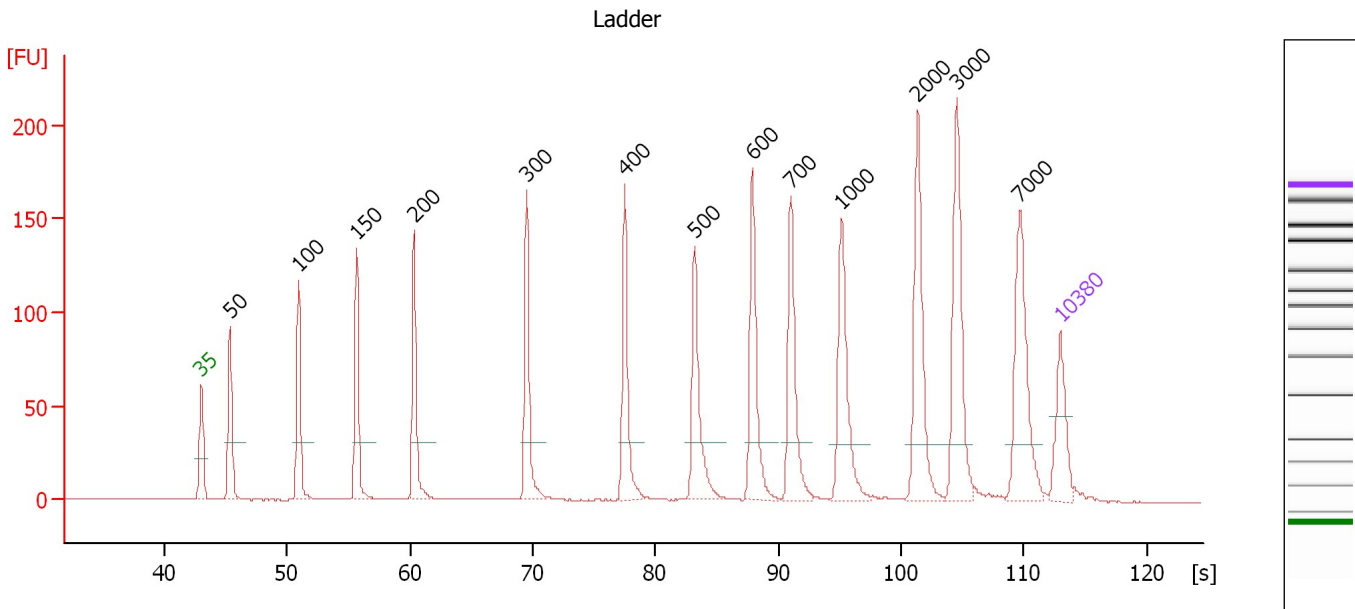
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19\_002.xad

Created: 12/19/2017 1:27:54 PM  
 Modified: 12/19/2017 2:03:29 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

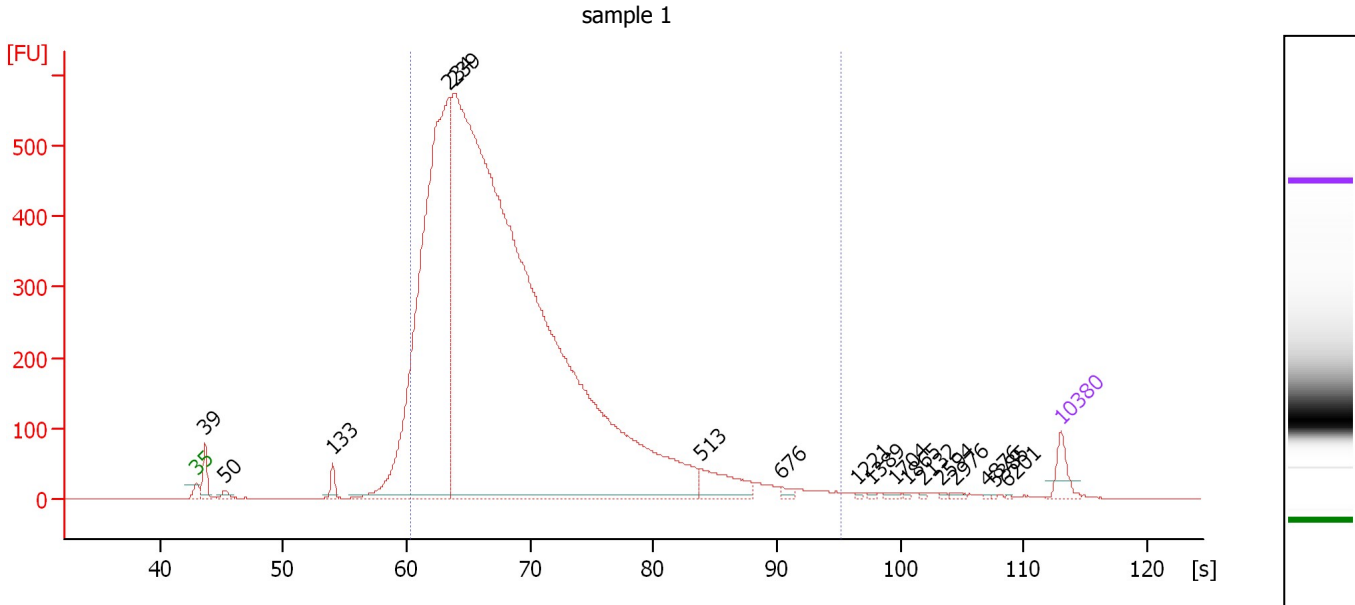
**Peak table for Ladder**

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	50.92
4	150	150.00	1,515.2	Ladder Peak	55.64
5	200	150.00	1,136.4	Ladder Peak	60.33
6	300	150.00	757.6	Ladder Peak	69.51
7	400	150.00	568.2	Ladder Peak	77.47
8	500	150.00	454.5	Ladder Peak	83.21
9	600	150.00	378.8	Ladder Peak	87.93
10	700	150.00	324.7	Ladder Peak	91.04
11	1,000	150.00	227.3	Ladder Peak	95.15
12	2,000	150.00	113.6	Ladder Peak	101.36
13	3,000	150.00	75.8	Ladder Peak	104.56
14	7,000	150.00	32.5	Ladder Peak	109.68
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19\_002.xad

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 Modified: 12/19/2017 2:03:29 PM

**Electropherogram Summary Continued ...**



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

Number of peaks found: 17                      Corr. Area 1: 9,949.5  
 Noise: 0.2

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

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	39	150.57	5,787.7		43.70
3	50	34.92	1,066.1		45.30
4	133	66.33	755.2		54.04
5	234	3,952.98	25,612.2		63.43
6	239	11,405.65	72,433.8		63.87
7	513	211.91	625.7		83.83
8	676	23.37	52.4		90.30
9	1,221	5.97	7.4		96.52
10	1,389	6.22	6.8		97.57
11	1,704	13.57	12.1		99.52
12	1,865	5.79	4.7		100.52
13	2,132	4.44	3.2		101.78
14	2,594	6.41	3.7		103.26
15	2,976	9.91	5.0		104.48
16	4,876	2.83	0.9		106.96
17	5,385	2.59	0.7		107.61
18	6,201	2.92	0.7		108.65
19	10,380	75.00	10.9	Upper Marker	113.00

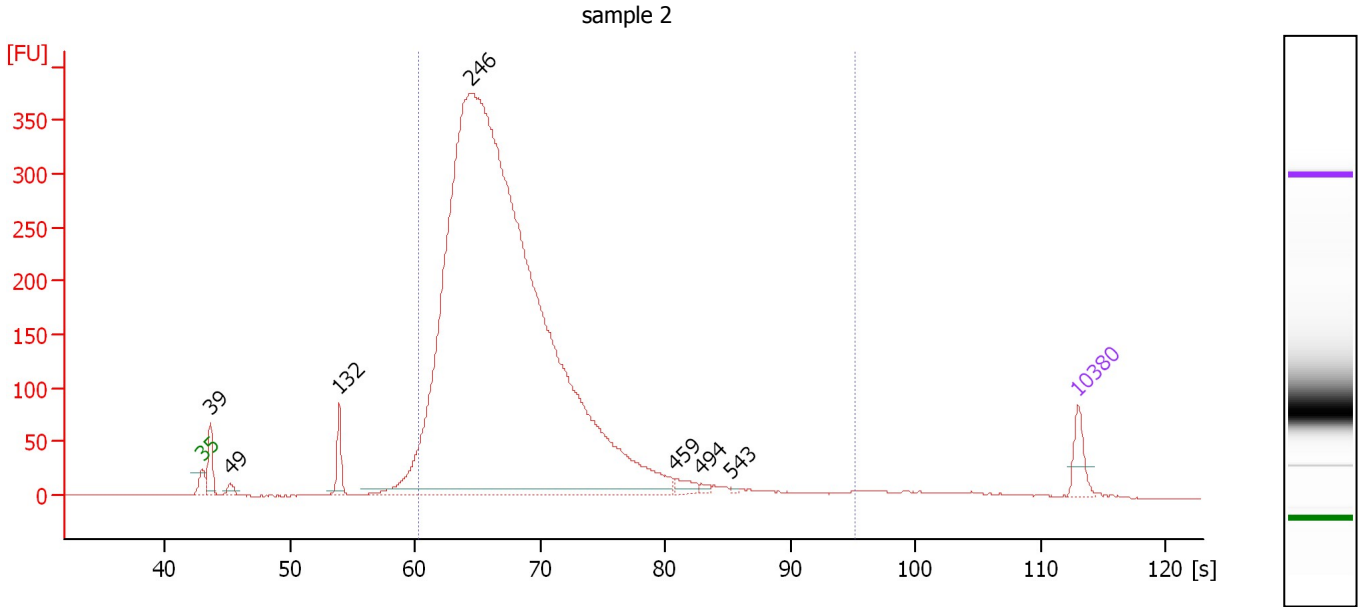
**Region table for sample 1 : sample 1**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	299	9,949.5	13,816.40	76,320.5	94	31.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19\_002.xad

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**Electropherogram Summary Continued ...**



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

Number of peaks found: 7                      Corr. Area 1: 5,348.7  
 Noise: 0.2

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

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	39	161.53	6,260.9		43.64
3	49	38.33	1,180.8		45.23
4	132	137.66	1,579.1		53.95
5	246	9,468.41	58,410.1		64.52
6	459	43.89	145.0		80.83
7	494	15.27	46.8		82.85
8	543	5.41	15.1		85.26
9	10,380	75.00	10.9	Upper Marker	113.00

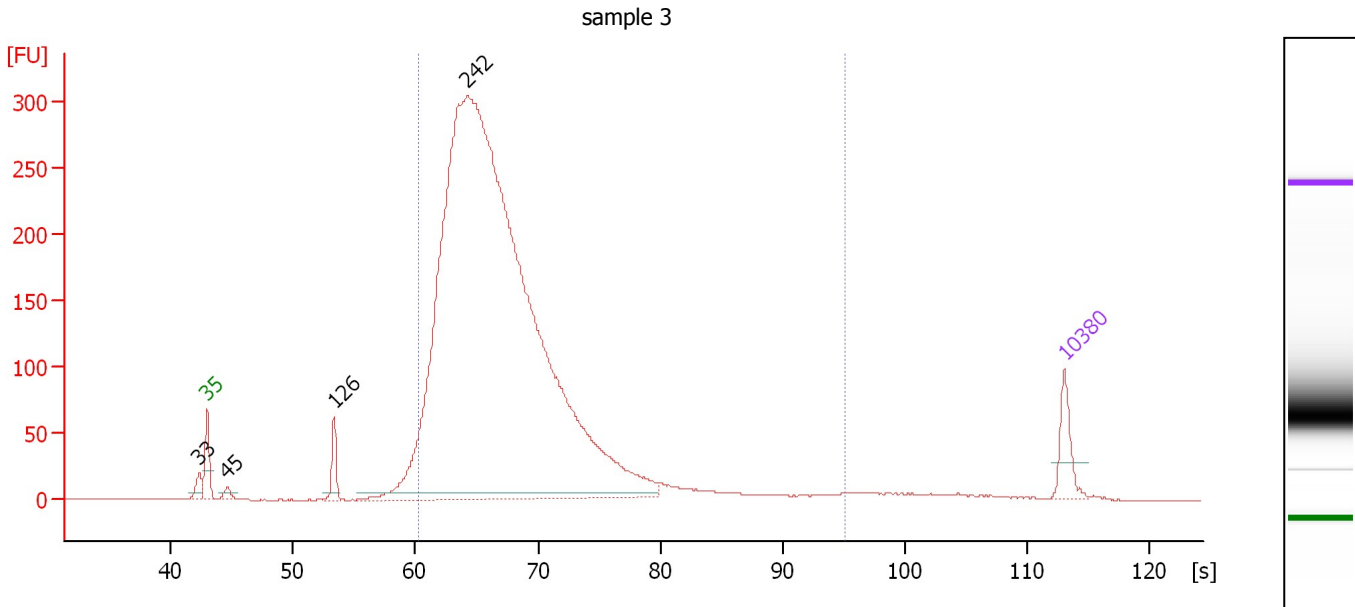
**Region table for sample 2 : sample 2**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	288	5,348.7	8,990.16	50,033.0	94	26.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19\_002.xad

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**Electropherogram Summary Continued ...**



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

Number of peaks found: 4                      Corr. Area 1: 4,171.6  
 Noise: 0.2

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

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.34
2	35	125.00	5,411.3	Lower Marker	43.00
3	45	28.53	954.1		44.62
4	126	88.23	1,063.2		53.35
5	242	6,341.11	39,622.4		64.23
6	10,380	75.00	10.9	Upper Marker	113.00

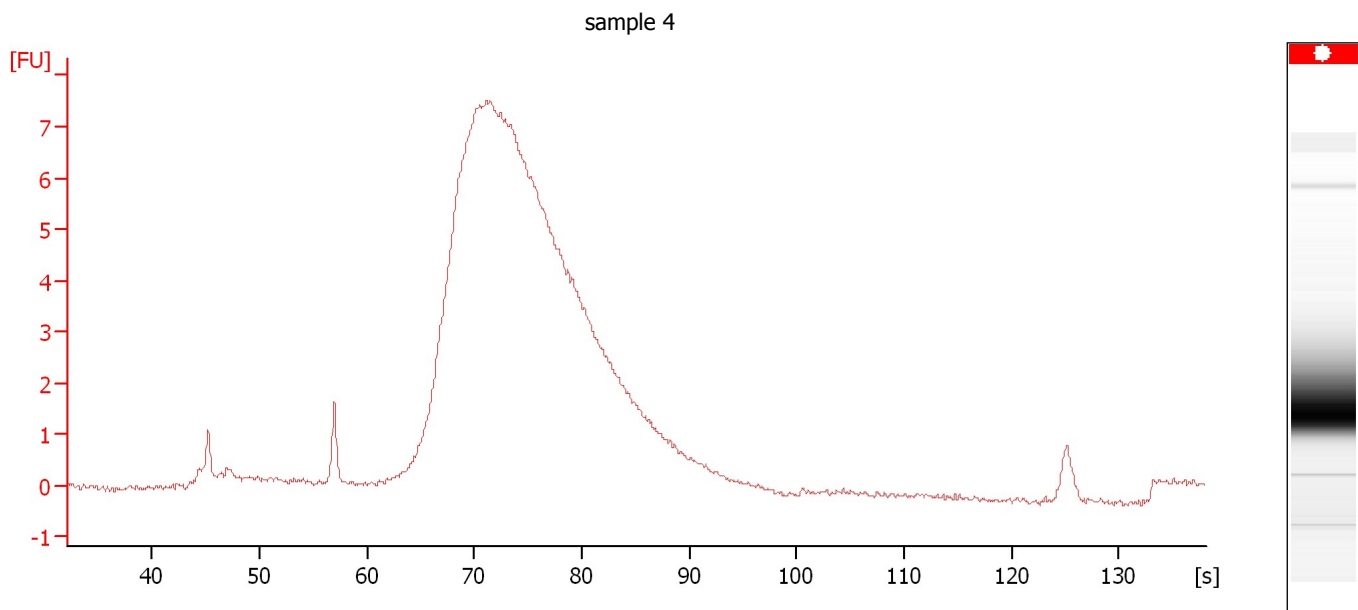
**Region table for sample 3 : sample 3**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	282	4,171.6	6,022.54	34,144.0	94	27.6

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19\_002.xad

Created: 12/19/2017 1:27:54 PM  
Modified: 12/19/2017 2:03:29 PM

**Electropherogram Summary Continued ...**



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

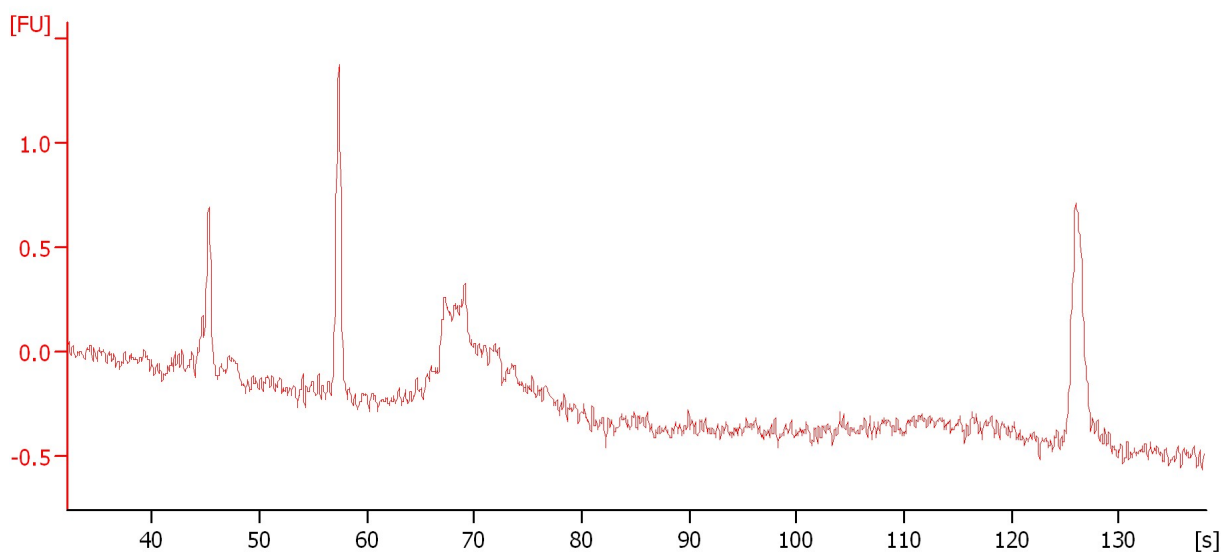
Noise: 0.1

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19\_002.xad

Created: 12/19/2017 1:27:54 PM  
Modified: 12/19/2017 2:03:29 PM

**Electropherogram Summary Continued ...**

sample 5



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

Noise: 0.1

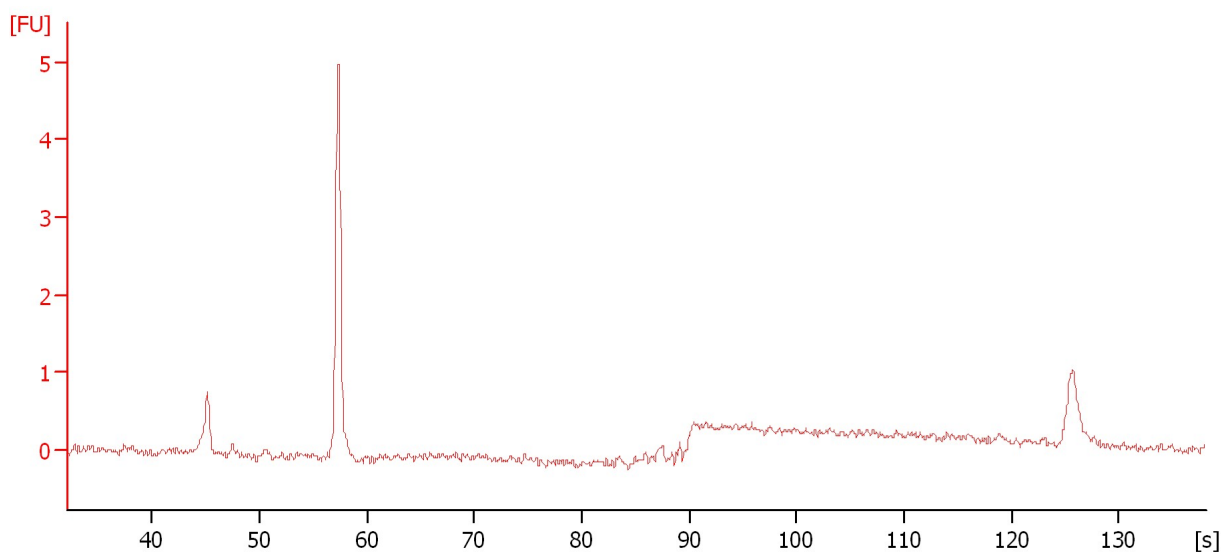


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19\_002.xad

Created: 12/19/2017 1:27:54 PM  
Modified: 12/19/2017 2:03:29 PM

**Electropherogram Summary Continued ...**

sample 6



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

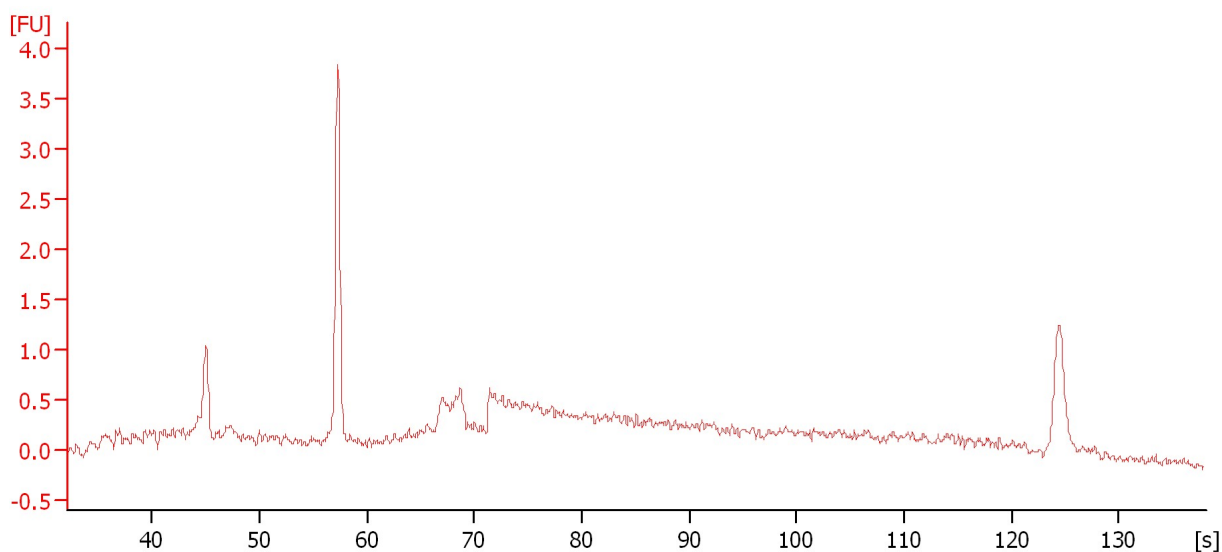
Noise: 0.1

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19\_002.xad

Created: 12/19/2017 1:27:54 PM  
Modified: 12/19/2017 2:03:29 PM

**Electropherogram Summary Continued ...**

sample 7



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

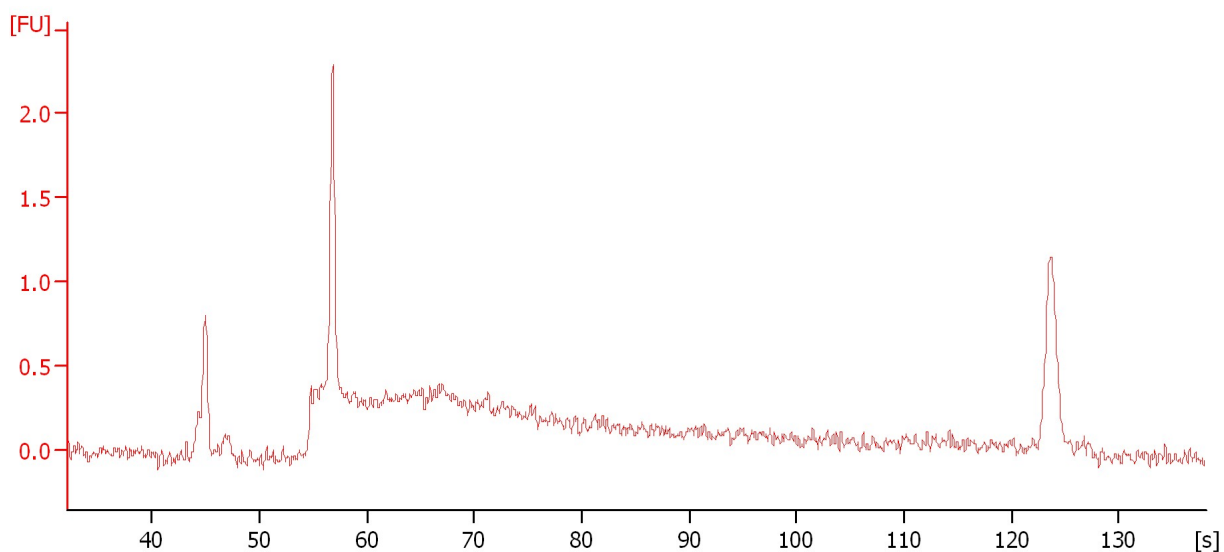
Noise: 0.1

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19\_002.xad

Created: 12/19/2017 1:27:54 PM  
Modified: 12/19/2017 2:03:29 PM

**Electropherogram Summary Continued ...**

sample 8



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

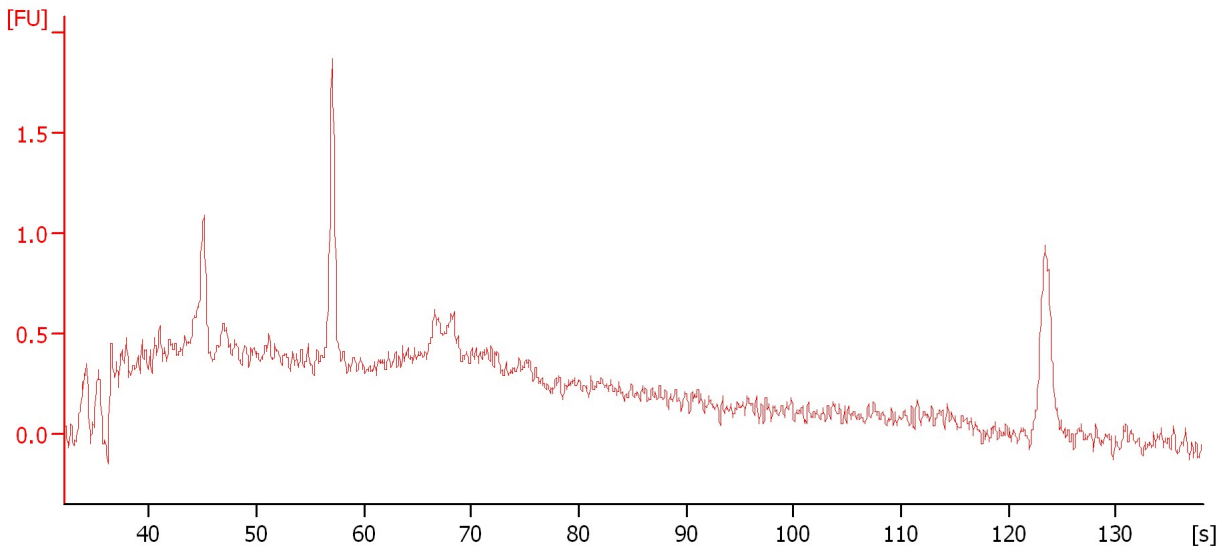
Noise: 0.1

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19\_002.xad

Created: 12/19/2017 1:27:54 PM  
Modified: 12/19/2017 2:03:29 PM

**Electropherogram Summary Continued ...**

sample 9



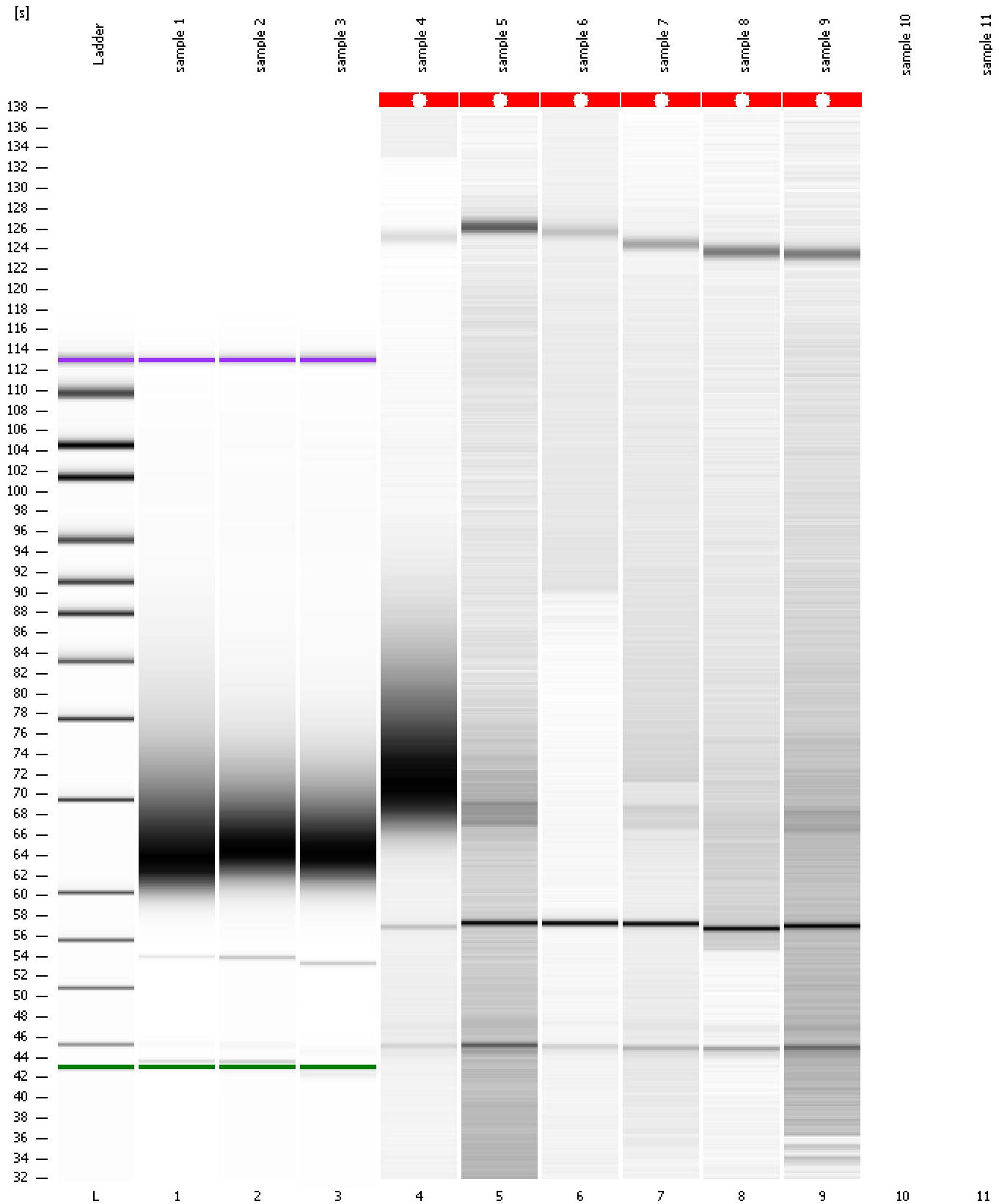
**Overall Results for sample 9 : sample 9**

Noise: 0.1

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19\_002.xad

Created: 12/19/2017 1:27:54 PM  
Modified: 12/19/2017 2:03:29 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19\_002.xad

Created: 12/19/2017 1:27:54 PM  
Modified: 12/19/2017 2:03:29 PM

**Invalid Samples**

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.