

2014-04-29_0	03.xad					Р	age 2 of 14
Assay Class: Data Path:	High Sensitivity DNA Assay C:\ bioanalyzer\2100 expert\Data\	_003.xad	Created: Modified:		2014 3:58:33 PM 2014 4:31:19 PM		
Electrophores	is File Run Summary (Chip Sur	nmary)					
Sample Name	Sample Comment	Rest. Digest S	tatus	Observation	Result Lab	el	<b>Result Color</b>
sample 1 sample 2 sample 3 sample 4 sample 5 sample 6 sample 7 sample 8 sample 9 sample 10 sample 11			****				

Chip Lot #

Reagent Kit Lot #

Chip Comments :

### 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] : 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

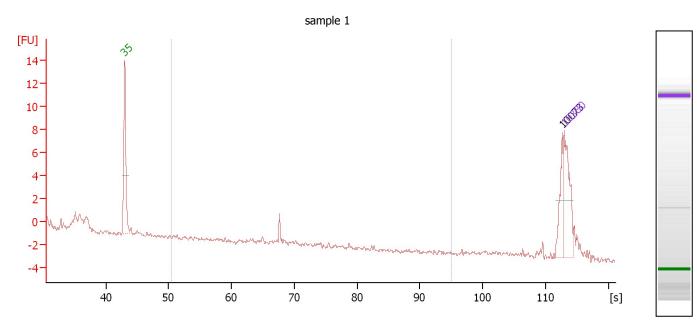
Created: 4/29/2014 3:58:33 PM Modified: 4/29/2014 4:31:19 PM

#### High Sensitivity DNA Assay C:\... bioanalyzer\2100 expert\Data\2014-04-29\2014-04-29\_003.xad Assay Class: Data Path:

### Created: Modified:

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### **Electropherogram Summary**

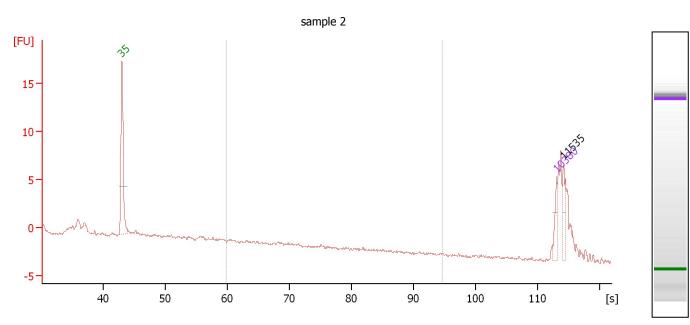


Overall Re	sults for samp	ole 1 : <u>sample 1</u>			
Number of p	eaks found:	1	Corr. Area 1:	0.7	
Noise:		0.2			
Peak table	for sample 1	: <u>sample 1</u>			
Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	
1 🖣	35	125.00	5,411.3	Lower Marker	
2	10,073	48.49	7.3		
4			10.9	Upper Marker	

From [bp]	To [bp	] Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Co Ior
98	1,053	286	46.8	8.82	0.7	5	3.7	

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# Electropherogram Summary Continued ...



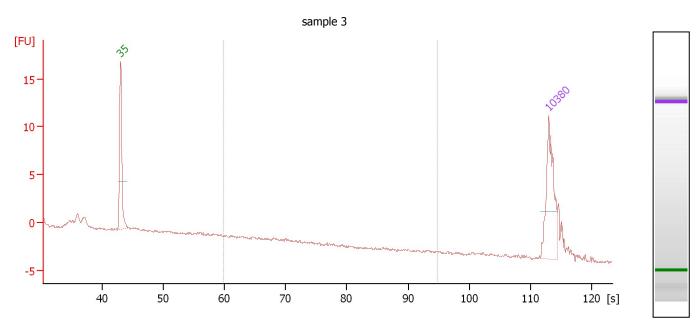
Overall Results for sample 2 : <u>sample</u>	Overall	Results fo	r sample 2	:	sample 2
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Number of peaks found:	1	Corr. Area 1:	0.5
Noise:	0.2		

Peak ta	able	for sample 2 :	sample 2					
Peak		Size [bp]	Conc. [pg/µl]	Mola	rity [pmol	/I]	Observations	
1		35	125.00	5,411	.3		Lower Marker	
2		10,380	75.00	10.9			Upper Marker	
3		11,535	0.00	0.0				
Region	tab	le for sample 2	: <u>sample 2</u>					
<b>From</b> [bp] 200		o [bp] Average S [bp] ,000 266	ize Molarity [pmol/l] 99.9	<b>Conc.</b> [pg/μl] 17.06	<b>Corr.</b> Area 0.5	<b>% of</b> Total 2	Size distribution in CV [%] 19.1	Co lor

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# Electropherogram Summary Continued ...



Overall Results for sample 3 : <u>samp</u>	<u>le 3</u>
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Number of	peaks found:	0	Corr. Area 1:	1.7
Noise:		0.1		
Peak table	e for sample 3 :	sample 3		
Peak tabl Peak	e for sample 3 : Size [bp]	<u>sample 3</u> Conc. [pg/µl]	Molarity [pmol/l]	Observations
	•		Molarity [pmol/l] 5,411.3	<b>Observations</b> Lower Marker

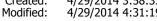
sample 3

From [bp]	To [bp]	] Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Co lor
200	1,000	299	60.9	10.98	1.7	8	39.8	

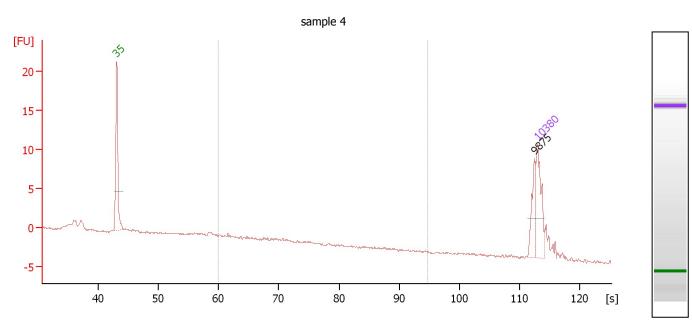
**Region table for sample 3 :** 

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# **Electropherogram Summary Continued ...**



Overall Results for sample 4 :	sample 4
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[bp]

355

1,000

[bp]

200

Numbe Noise:	•	eaks found:	1 0.1	Corr.	Area 1:		12.8	
Peak	table	for sample 4	: <u>sample 4</u>					
Peak		Size [bp]	Conc. [pg/µl]	Molai	ity [pmol	/I]	Observations	
1		35	125.00	5,411.	3		Lower Marker	
2 3		9,875 10,380	48.42 75.00	7.4 10.9			Upper Marker	
Regio	on tab	le for sample	4 : <u>sample</u>	<u>4</u>				
From	Т	o [bp] Average	Size Molarity	Conc.	Corr.	% of	Size distribution in	Со

[pg/µl]

118.14

[pmol/l]

593.5

Total

24

Area

12.8

CV [%]

40.4

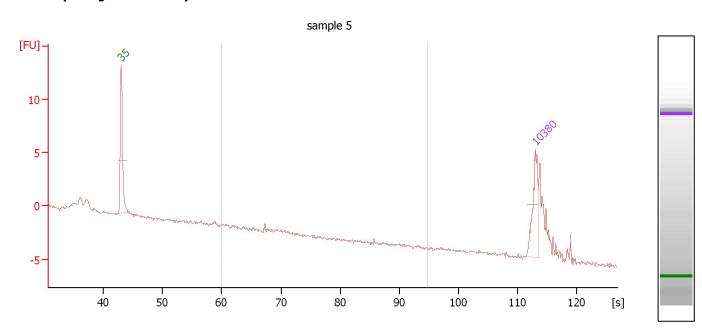
lor

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Electropherogram Summary Continued ...



Overall Results for sample 5	:	sample 5
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Number of peaks found:		0	Corr. Area 1:	0.4		
Noise:	Noise:		0.1			
Peak t	table	for sample 5	: <u>sample 5</u>			
Peak t Peak	table	for sample 5 Size [bp]	: <u>sample 5</u> Conc. [pg/µl]	Molarity [pmol/l]	Observations	
	table	•		Molarity [pmol/l] 5,411.3	<b>Observations</b> Lower Marker	

-							
Region	table for sample 5 :	sample 5					
From [bp]	To [bp] Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Co lor
200	1,000 313	26.4	5.03	0.4	2	30.2	

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Electropher	ogram Summary Continued		
	sample 6		
[FU] 12- 10-	0		

Overall	Results	for	sam	ole 6	:	sample 6	

1 60

т 50

1 40

8-6-2-0--2--4--6-

Number	Number of peaks found:		0	Noise:	0.1	
Peak t Peak	able	for sample 6 : Size [bp]	<u>sample 6</u> Conc. [pg/µl]	Molarity [pmol/l]	Observations	
1	•	0	0.00	0.0	Lower Marker	

т 70 80

90

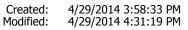
100

110

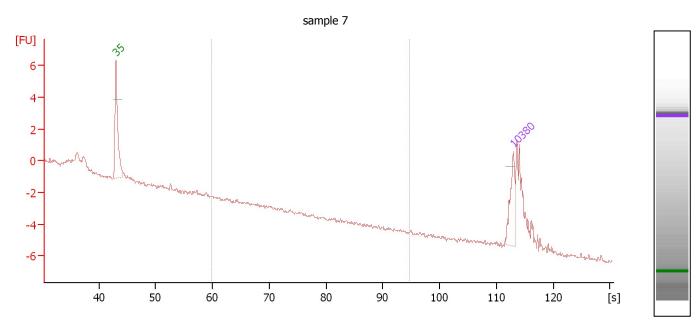
120

130

[s]



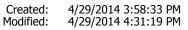
### **Electropherogram Summary Continued ...**



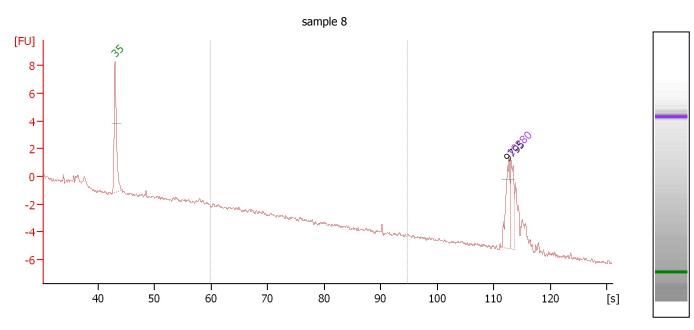
Overall Results for sample 7 :	sample 7
	ballipie /

Number of peaks found: Noise:		eaks found:	0 0.1	Corr. Area 1:	0.0
Peak Peak	table	e for sample 7 : Size [bp]	<u>sample 7</u> Conc. [pg/µl]	Molarity [pmol/l]	Observations
1 2 Regio	n tał	35 10,380 Die for sample 7	125.00 75.00 : <u>sample 7</u>	5,411.3 10.9	Lower Marker Upper Marker

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Co lor
200	1,000	0	0.0	0.00	0.0	0	0.0	



# **Electropherogram Summary Continued ...**



Noise:	0.1		
Peak table for sample 8	: sample 8		

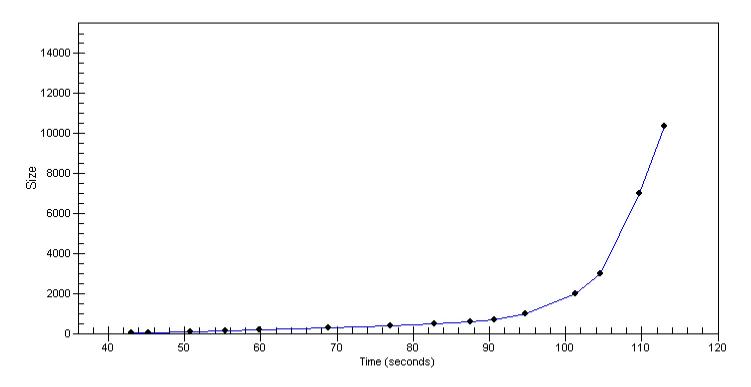
Peak		Size [bp]	Conc. [pg/µl]	Mola	rity [pmol/	'I]	Observations	
1		35	125.00	5,411.	.3		Lower Marker	
2		9,795	102.16	15.8				
3		10,380	75.00	10.9			Upper Marker	
Region	tab	le for sample 8:	sample 8					
From	Т	o [bp] Average Size	e Molarity	Conc.	Corr.	% of	Size distribution in	Со
[bp]		[bp]	[pmol/l]	[pg/µl]	Area	Total	CV [%]	lor
200	1,	.000 685	0.8	0.36	0.0	0	0.1	

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[2]	Ladder	sample 1	sample 2	sample 3	sample 4	sample 5	sample 6	sample 7	sample 8	sample 9	sample 10	sample 11
138 — 136 — 134 — 132 —												
130 — 128 — 126 — 124 —												
122 — 120 — 118 — 116 —												
114 — 112 — 110 — —				_		_						
108 — 106 — 104 — 102 —	-											
100 — 98 — 96 — 94 —												
92 — 90 — 88 —	_											
86 — 84 — 82 — 80 —	-	-										
78 — 76 — 74 — 72 —	_	-										
70 — 68 — 66 —	-	-										
64 — 62 — 60 — — 58 —		-										
56 — 54 — 52 — 50 —							_					
48 — 46 — 44 —		_					_					
42 — 40 — 38 — 36 —												
34 — 32 —	L	1	2	3	4	5	6	7	8	9	10	11

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# Curves

# **Standard Curve**



### **Invalid Samples**

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

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