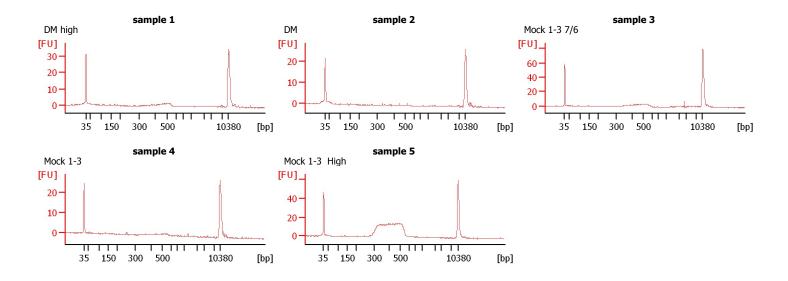
Instrument Name:	DE13/01086	Firmware:	C.01.069
Serial#:	DE13701086	Type:	G2938B
Assay Information:			
Assay Origin Path:	C:\Program Files\Agilent\2100 expert\assays\dsDNA\High Se	,	•
Assay Class:	High Sensitivity DNA Assay		
Version:	1.03		
Assay Comments:	Copyright © 2003-2010 Agile	nt Technolo	gies
Chip Information:			
Chip Lot #:			
Reagent Kit Lot #:			
Chip Comments:			



2012-07-13_	003.xad			Page 2 of 12
Assay Class: Data Path: <b>Electrophore</b>	High Sensitivity DNA Assay C:\ents and Settings\Bioanalyzer\ esis File Run Summary (Chip Su			3/2012 1:19:06 PM 3/2012 1:54:12 PM
Sample Name	Sample Comment	Rest. Digest Status Observation	Result Label	<b>Result</b> Color
sample 1 sample 2 sample 3 sample 4 sample 5 sample 6 sample 7 sample 8 sample 9 sample 10 sample 11 Ladder	DM high DM Mock 1-3 7/6 Mock 1-3 Mock 1-3 High			
Chip Lot #		Reagent Kit Lot #		

Chip Comments :

Assay Class: High Sensitivity DNA Assay Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-13\2012-07-13\_003.xad

## 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

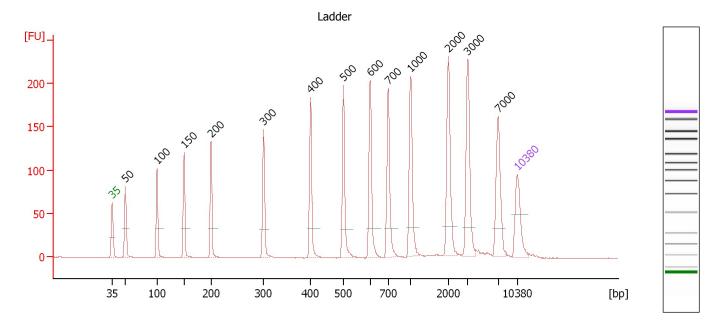
Created: 7/13/2012 1:19:06 PM Modified: 7/13/2012 1:54:12 PM

#### High Sensitivity DNA Assay C:\...ents and Settings\Bioanalyzer\2012-07-13\2012-07-13\_003.xad Assay Class: Data Path:

Created: Modified:

# 7/13/2012 1:19:06 PM 7/13/2012 1:54:12 PM

#### **Electropherogram Summary**



### **Overall Results for Ladder**

Noise:

0.1

## Peak table for Ladder

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	<b>7,000</b>	150.00	32.5	Ladder Peak

2100 Expert (B.02.08.SI648)

2012-07-13_	_003.xad								Page 5 of 12
Assay Class: Data Path:	Assay Class: High Sensitivity DNA Assay Created: 7 Data Path: C:\ents and Settings\Bioanalyzer\2012-07-13\2012-07-13_003.xad Modified: 7								7/13/2012 1:19:06 PM 7/13/2012 1:54:12 PM
Electropher	ogram Summar								
			sam	ple 1 [ DM hi	gh ]				
[FU] 35 -	ŝ						10380		
30 -							+		
25 -									
20 -									
15-									
10-									
5-									
0	wert I am man and with an approximation	- Marine Marran	nanaranan	man marken have			when have been have a	Annon	
-5	35 100	1	1	400 500	700	2000	10280		,
	35 100	200	300	400 500	700	2000	10380	[bp	
Overall Resu	lts for sample 1	: <u>samp</u> l	<u>e 1</u>						
Number of pea	-	-		Corr. Area 1:		17.1			

Region table for sample 1 :			sample 1					
From [bp]	To [bp	] Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Co lor
386	611	479	161.9	50.56	17.1	25	10.5	

0.1

Noise:

2012-07-13_	_003.xad			Page 6 of 12			
Assay Class: Data Path:	Assay Class: High Sensitivity DNA Assay Created: 7 Data Path: C:\ents and Settings\Bioanalyzer\2012-07-13\2012-07-13_003.xad Modified: 7						
Electropher	ogram Summary Continued						
	samp	le 2 [ DM ]					
[FU]			10380				
25 -	*		Á				
20 -							
15-							
10-							
5-			$\left  \right $				
0	ut	handrennen	I. Mudereland and and and and and and and and and				
-5-L	35 100 200 300 400	500 700 2000 1	0380 [b	p]			

#### Overall Results for sample 2 : sample 2

Number of peaks found:	0	Corr. Area 1:	2.5
Noise:	0.1		

Region table for sample 2 :			sample 2					
From [bp]			Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Co Ior
374	636	471	33.2	10.16	2.5	12	10.7	

Assay Class: Data Path:	High Sensitivit C:\ents and	High Sensitivity DNA AssayCreated:C:\ents and Settings\Bioanalyzer\2012-07-13\2012-07-13_003.xadModified:						7/13/2012 1:19:06 PM 7/13/2012 1:54:12 PM	
Electropher	ogram Summa	ry Continu	ued						
			sample	3 [ Mock	1-3 7/6 ]				
FU] 80 -							10380		
70 - 60 -	S.						<u> </u>		
50 - 40 -									
30-							+		
20- 10-									
0	med. have been a more than the second s	····		man and a start and a start and a start					
-10-	35 100	200	300 40	0 500	700	2000	10380	[b]	p]

Number of peaks found:	0	Corr. Area 1:	53.3
Noise:	0.1		

Region table for sample 3 :			sample 3					
From [bp]	To [bp	o] Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Co Ior
326	606	453	249.0	72.22	53.3	59	14.8	

Assay Class: Data Path: <b>Electropher</b> e	High Sensitivity DNA Assay C:\ents and Settings\Bioanalyzer\2012-07-13\2012-07-13_003.xad Dgram Summary Continued	Created: Modified:	7/13/2012 1:19:06 PM 7/13/2012 1:54:12 PM
	sample 4 [ Mock 1-3 ]		
FU] 25 - 20 - 15 - 10 -	*	10380	
5- 0-/~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	- man man man and m	Musiandersee	
·	35 100 200 300 400 600 1000 3000	10380 [b	p]

Number of peaks found:	0	Corr. Area 1:	11.1
Noise:	0.2		

Region	table fo	or sample 4 :	sample 4					
From	To [bj	o] Average Size	Molarity	Conc.	Corr.	% of	Size distribution in	Со
[bp]		[bp]	[pmol/l]	[pg/µl]	Area	Total	CV [%]	lor
358	680	481	136.6	42.07	11.1	41	15.1	

Assay Class: Data Path:	High Sensitivity DNA Assay C:\ents and Settings\Bio	/ analyzer\2012-07-13\2012-07-1	3_003.xad	Created: Modified:	7/13/2012 1:19:06 PM 7/13/2012 1:54:12 PM
Electropher	ogram Summary Continu	ıed			
		sample 5 [ Mock 1-3 High	]		
[FU] 60 - 50 - 40 - 30 - 20 - 10 -	35		1000		
L	35 100 200 3	1 1 1 1 1 300 400 600 1000	3000 10380	[bp	]

Number of peaks found:	11	Corr. Area 1:	279.0
Noise:	0.1		

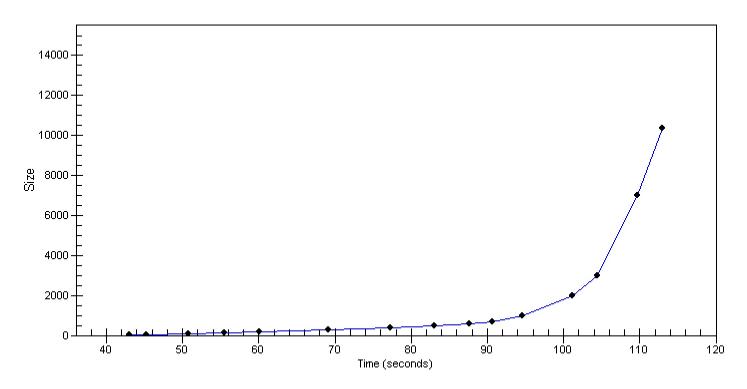
Peak ta	ble for sample 5	: sample 5					
Peak	Size [bp]	Conc. [pg/µl]	Molar	ity [pmol/	1]	Observations	
2	338	105.27	471.5				
3	351	25.01	108.0				
4	364	26.16	108.8				
5	374	20.96	84.9				
6	387	33.37	130.7				
7	396	22.43	85.9				
8	405	30.11	112.6				
9	427	20.43	72.5				
10	460	23.41	77.1				
11	480	20.68	65.3				
12	496	66.60	203.3				
Region	table for sample	5 : <u>sample 5</u>					
<b>From</b> [bp] 291	To [bp] Average [bp] 575 413	Size Molarity [pmol/l] 2,055.2	<b>Conc.</b> [pg/μl] 539.94	<b>Corr.</b> Area 279.0	<b>% of</b> Total 89	Size distribution in CV [%] 16.7	Co lor
291	575 415	2,055.2	553.94	2/9.0	07	10.7	

Gel Image

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Assay Class:	High Sensitivity DNA Assay	Created:	7/13/2012 1:19:06 PM
Data Path:	C:\ents and Settings\Bioanalyzer\2012-07-13\2012-07-13_003.xad	Modified:	7/13/2012 1:54:12 PM

# Curves

## **Standard Curve**



Assay Class:	High Sensitivity DNA Assay
Data Path:	C:\ents and Settings\Bioanalyzer\2012-07-13\2012-07-13_003.xad

#### **Invalid Samples**

Sample 6 has not been run, no results available. Sample 7 has not been run, no results available. Sample 8 has not been run, no results available. 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.

Created: 7/13/2012 1:19:06 PM Modified: 7/13/2012 1:54:12 PM