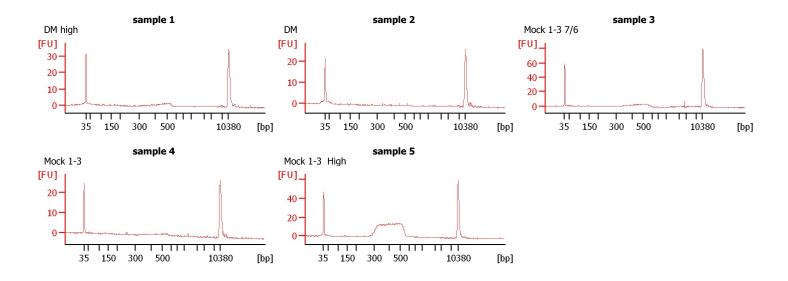
Instrument Name:	DE13/01086	Firmware:	C.01.069
Serial#:	DE13701086	Type:	G2938B
Assay Information:			
Assay Origin Path:	C:\Program Files\Agilent\2100 expert\assays\dsDNA\High Se	,	•
Assay Class:	High Sensitivity DNA Assay		
Version:	1.03		
Assay Comments:	Copyright © 2003-2010 Agile	nt Technolo	gies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



2012-07-13_	003.xad			Page 2 of 12
Assay Class: Data Path: Electrophore	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	Result 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

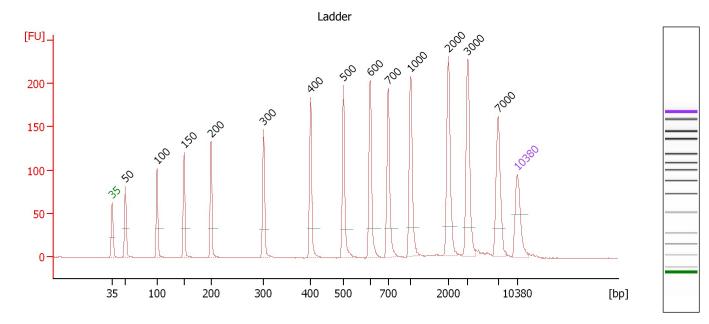
Created: 7/13/2012 1:19:06 PM Modified: 7/13/2012 1:54:12 PM

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	7,000	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: Electropher 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		

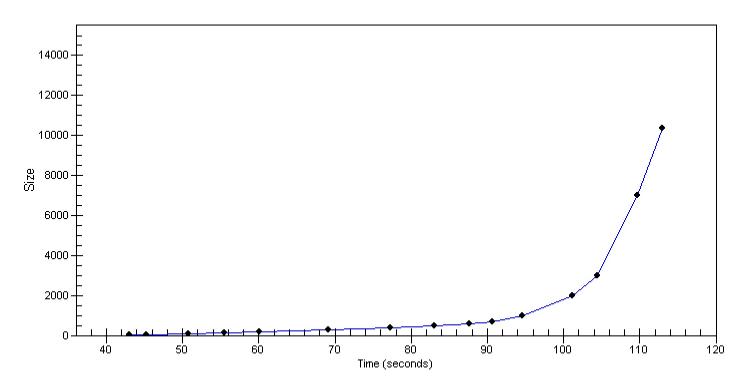
Peak ta	ble for sample 5	: sample 5					
Peak	Size [bp]	Conc. [pg/µl]	Molar	ity [pmol/	1]	Observations	
2	338	105.27	471.5				
3	351	25.01	108.0				
4	364	26.16	108.8				
5	374	20.96	84.9				
6	387	33.37	130.7				
7	396	22.43	85.9				
8	405	30.11	112.6				
9	427	20.43	72.5				
10	460	23.41	77.1				
11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