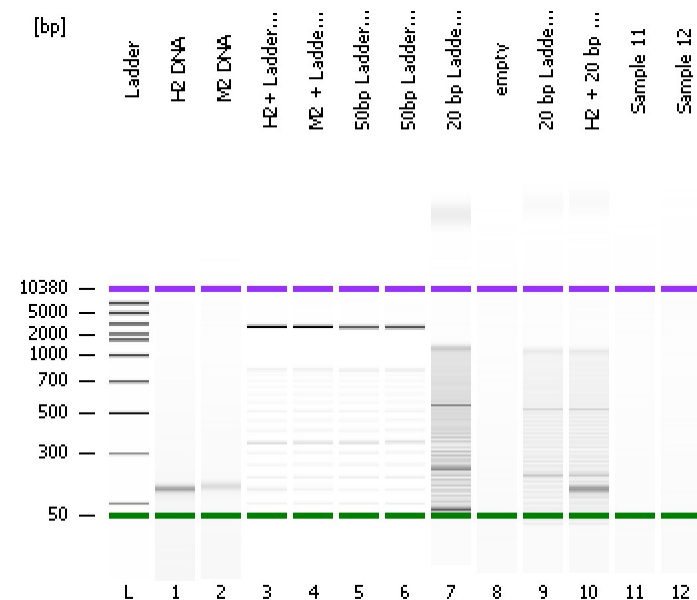


Assay Class: DNA 7500
Data Path: D:\...-04\2100 expert_DNA 7500_DE24802235_2010-10-04_12-41-05.xad

Created: 10/4/2010 12:41:05 PM
Modified: 10/4/2010 1:47:06 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: Ann's baby
Serial#: DE24802235
Firmware: C.01.069
Type: G2938B

Assay Information:

Assay Origin Path: D:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 7500 Series II.xsy

Assay Class: DNA 7500

Version: 2.3

Assay Comments: DNA Analysis 100 -7500 bp

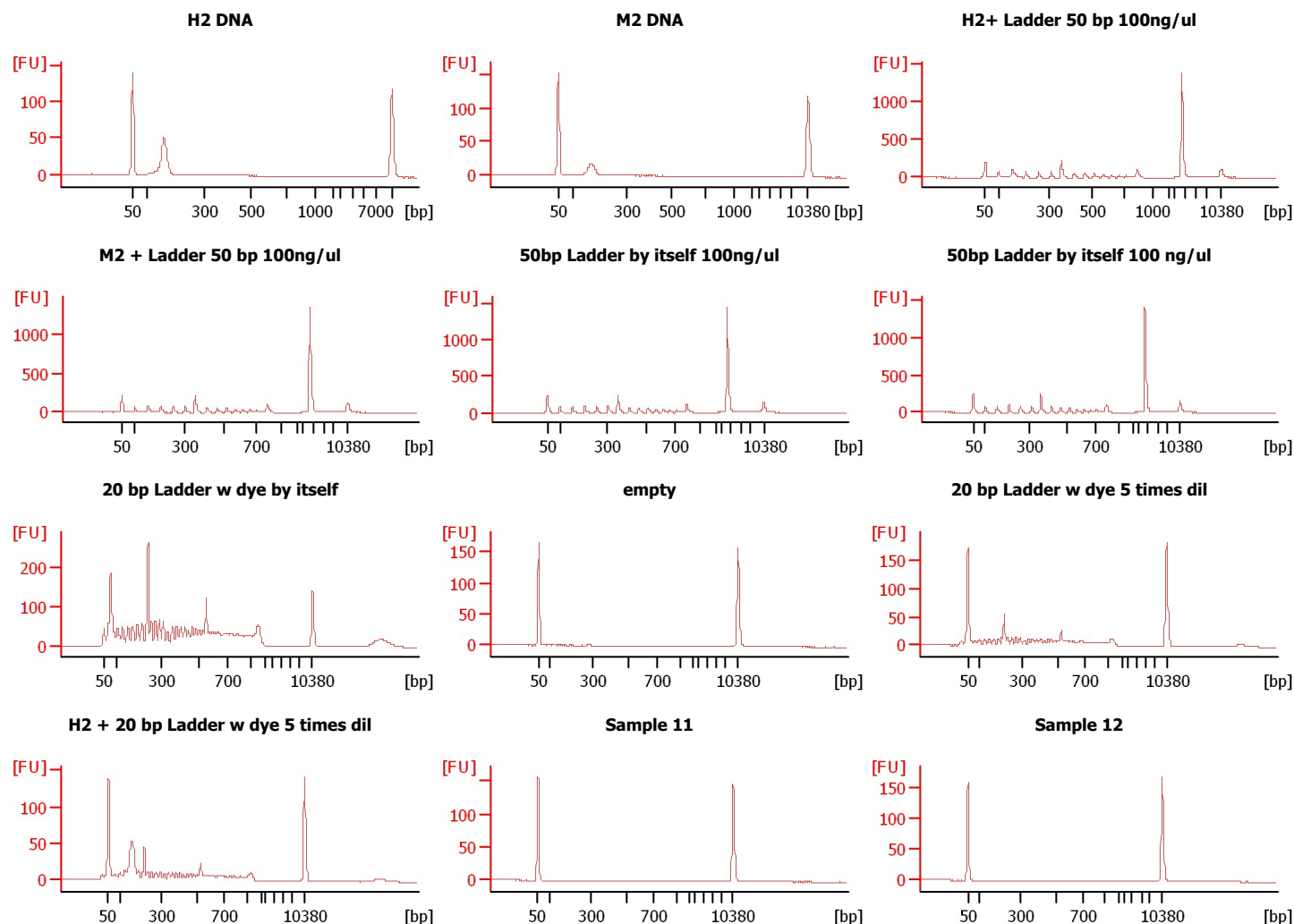
© Copyright 2003-2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: DNA 7500
Data Path: D:\...-04\2100 expert_DNA 7500_DE24802235_2010-10-04_12-41-05.xad

Created: 10/4/2010 12:41:05 PM
Modified: 10/4/2010 1:47:06 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
H2 DNA		☐		✓		
M2 DNA		☐		✓		
H2+ Ladder 50 bp 100ng/ul		☐		✓		
M2 + Ladder 50 bp 100ng/ul		☐		✓		
50bp Ladder by itself 100ng/ul		☐		✓		
50bp Ladder by itself 100 ng/ul		☐		✓		
20 bp Ladder w dye by itself		☐		✓		
empty		☐		✓		
20 bp Ladder w dye 5 times dil		☐		✓		
H2 + 20 bp Ladder w dye 5 times dil		☐		✓		
Sample 11		☐		✓		
Sample 12		☐		✓		

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

Assay Class: DNA 7500
Data Path: D:\...-04\2100 expert_DNA 7500_DE24802235_2010-10-04_12-41-05.xad

Created: 10/4/2010 12:41:05 PM
Modified: 10/4/2010 1:47:06 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 20
Maximum Visible Range [s] : 94
Start Analysis Time Range [s] : 20
End Analysis Time Range [s] : 93.95
Ladder Concentration [ng/μl] : 40
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [ng/μl] : 8.3
Upper Marker Concentration [ng/μl] : 4.2
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] : 20
Integration End Time [s] : 93.95
Slope Threshold : 0.8
Height Threshold [FU] : 20
Area Threshold : 0.1
Width Threshold [s] : 0.5
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

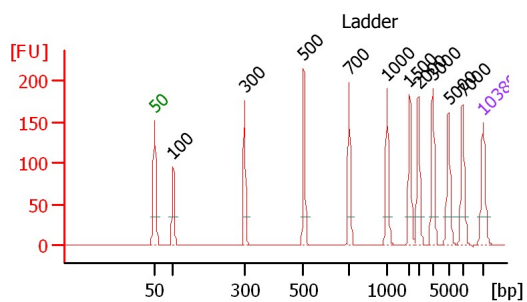
Ladder

Ladder Peak	Size	Area
1	50	120
2	100	47
3	300	63
4	500	81
5	700	85
6	1000	93
7	1500	101
8	2000	101
9	3000	106
10	5000	108
11	7000	109
12	10380	107

Assay Class: DNA 7500
Data Path: D:\...-04\2100 expert_DNA 7500_DE24802235_2010-10-04_12-41-05.xad

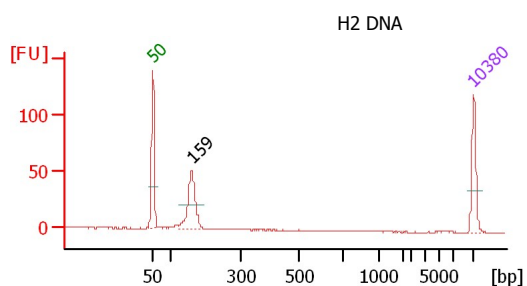
Created: 10/4/2010 12:41:05 PM
Modified: 10/4/2010 1:47:06 PM

Electropherogram Summary



Peak table for Ladder

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	100	4.00	60.6	Ladder Peak
3	300	4.00	20.2	Ladder Peak
4	500	4.00	12.1	Ladder Peak
5	700	4.00	8.7	Ladder Peak
6	1,000	4.00	6.1	Ladder Peak
7	1,500	4.00	4.0	Ladder Peak
8	2,000	4.00	3.0	Ladder Peak
9	3,000	4.00	2.0	Ladder Peak
10	5,000	4.00	1.2	Ladder Peak
11	7,000	4.00	0.9	Ladder Peak
12	10,380	4.20	0.6	Upper Marker

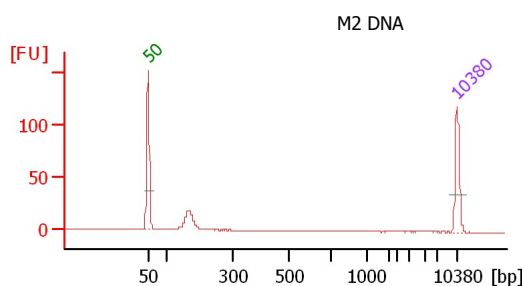


Overall Results for sample 1 : H2 DNA

Number of peaks found: 1

Peak table for sample 1 : H2 DNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	159	6.15	58.7	
3	10,380	4.20	0.6	Upper Marker



Overall Results for sample 2 : M2 DNA

Number of peaks found: 0

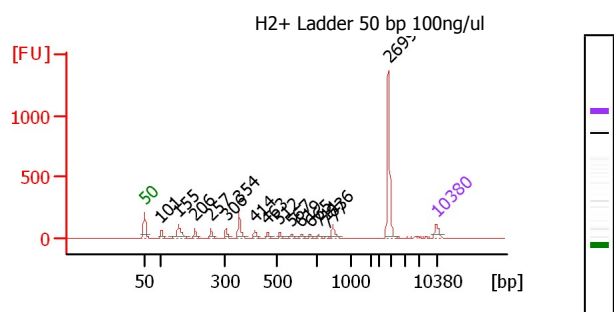
Peak table for sample 2 : M2 DNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,380	4.20	0.6	Upper Marker

Assay Class: DNA 7500
 Data Path: D:\...-04\2100 expert_DNA 7500_DE24802235_2010-10-04_12-41-05.xad

Created: 10/4/2010 12:41:05 PM
 Modified: 10/4/2010 1:47:06 PM

Electropherogram Summary Continued ...



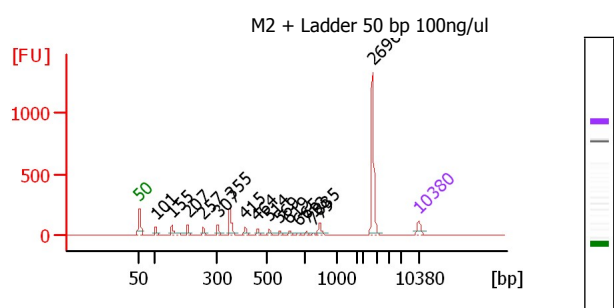
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
14	711	0.87	1.8	
15	777	0.70	1.4	
16	836	3.23	5.9	
17	2,699	28.48	16.0	
18	10,380	4.20	0.6	Upper Marker

Overall Results for sample 3 : H2+ Ladder 50 bp 100ng/ul

Number of peaks found: 16

Peak table for sample 3 : H2+ Ladder 50 bp 100ng/ul

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	101	2.76	41.5	
3	155	7.81	76.4	
4	206	2.70	19.8	
5	257	2.30	13.6	
6	306	2.46	12.2	
7	354	6.93	29.6	
8	414	1.96	7.2	
9	463	1.48	4.8	
10	512	1.51	4.5	
11	567	1.13	3.0	
12	619	1.15	2.8	
13	665	0.85	1.9	



Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
14	713	0.86	1.8	
15	779	0.67	1.3	
16	835	3.14	5.7	
17	2,696	27.07	15.2	
18	10,380	4.20	0.6	Upper Marker

Overall Results for sample 4 : M2 + Ladder 50 bp 100ng/ul

Number of peaks found: 16

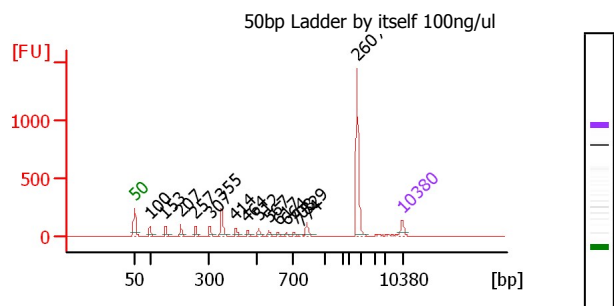
Peak table for sample 4 : M2 + Ladder 50 bp 100ng/ul

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	101	2.70	40.5	
3	155	4.55	44.5	
4	207	2.74	20.0	
5	257	2.31	13.6	
6	307	2.42	12.0	
7	355	6.78	28.9	
8	415	1.90	6.9	
9	464	1.45	4.7	
10	514	1.49	4.4	
11	569	1.11	2.9	
12	619	1.12	2.7	
13	665	0.82	1.9	

Assay Class: DNA 7500
 Data Path: D:\...-04\2100 expert_DNA 7500_DE24802235_2010-10-04_12-41-05.xad

Created: 10/4/2010 12:41:05 PM
 Modified: 10/4/2010 1:47:06 PM

Electropherogram Summary Continued ...



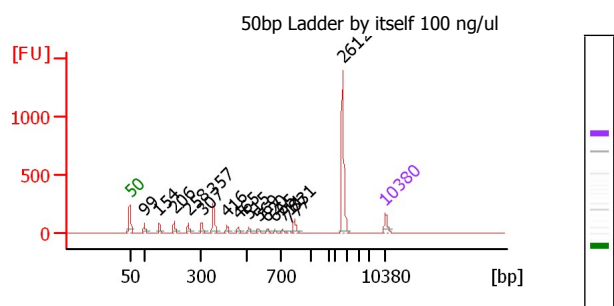
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
14	708	0.90	1.9	
15	774	0.71	1.4	
16	829	3.29	6.0	
17	2,607	27.03	15.7	
18	10,380	4.20	0.6	Upper Marker

Overall Results for sample 5 : 50bp Ladder by itself 100ng/ul

Number of peaks found: 16

Peak table for sample 5 : 50bp Ladder by itself 100ng/ul

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	100	2.84	42.9	
3	153	2.62	25.8	
4	207	2.88	21.1	
5	257	2.46	14.5	
6	307	2.54	12.5	
7	355	7.06	30.1	
8	414	1.98	7.2	
9	464	1.51	4.9	
10	512	1.53	4.5	
11	567	1.14	3.0	
12	617	1.15	2.8	
13	664	0.86	2.0	



Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
14	711	0.88	1.9	
15	777	0.66	1.3	
16	831	3.24	5.9	
17	2,612	25.76	14.9	
18	10,380	4.20	0.6	Upper Marker

Overall Results for sample 6 : 50bp Ladder by itself 100 ng/ul

Number of peaks found: 16

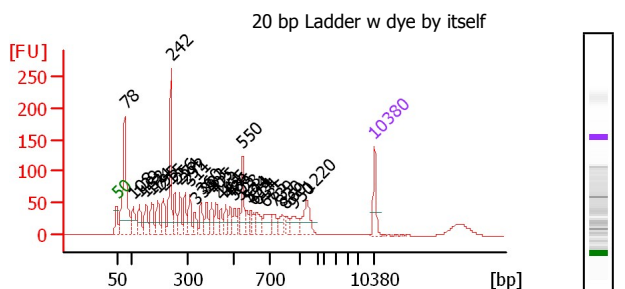
Peak table for sample 6 : 50bp Ladder by itself 100 ng/ul

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	99	2.82	43.0	
3	154	2.59	25.4	
4	206	2.86	21.0	
5	258	2.44	14.3	
6	307	2.54	12.5	
7	357	6.95	29.5	
8	416	1.98	7.2	
9	465	1.51	4.9	
10	515	1.55	4.6	
11	569	1.12	3.0	
12	620	1.14	2.8	
13	665	0.84	1.9	

Assay Class: DNA 7500
 Data Path: D:\...-04\2100 expert_DNA 7500_DE24802235_2010-10-04_12-41-05.xad

Created: 10/4/2010 12:41:05 PM
 Modified: 10/4/2010 1:47:06 PM

Electropherogram Summary Continued ...



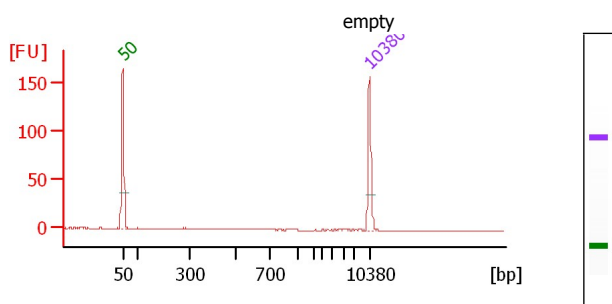
Overall Results for sample 7 : 20 bp Ladder w dye by itself

Number of peaks found: 33

Peak table for sample 7 : 20 bp Ladder w dye by itself

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	78	14.66	285.9	
3	108	3.42	48.1	
4	129	3.14	36.8	
5	152	3.32	33.0	
6	174	3.38	29.5	
7	195	3.25	25.2	
8	215	3.28	23.1	
9	242	10.04	62.9	
10	256	2.86	16.9	
11	274	3.02	16.7	
12	292	2.88	15.0	
13	311	2.67	13.0	

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
14	333	1.78	8.1	
15	360	2.41	10.1	
16	383	2.34	9.2	
17	405	2.26	8.5	
18	425	2.14	7.6	
19	444	1.64	5.6	
20	465	1.99	6.5	
21	486	1.69	5.3	
22	505	1.73	5.2	
23	528	1.44	4.1	
24	550	3.69	10.2	
25	574	1.37	3.6	
26	594	1.33	3.4	
27	614	1.16	2.9	
28	634	2.30	5.5	
29	685	3.08	6.8	
30	739	1.84	3.8	
31	830	1.87	3.4	
32	860	1.49	2.6	
33	950	2.47	3.9	
34	1,220	4.41	5.5	
35	10,380	4.20	0.6	Upper Marker

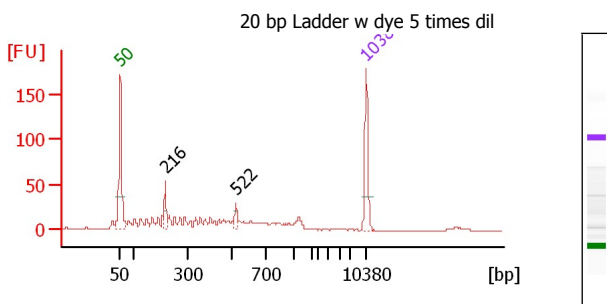


Overall Results for sample 8 : empty

Number of peaks found: 0

Peak table for sample 8 : empty

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,380	4.20	0.6	Upper Marker



Overall Results for sample 9 : 20 bp Ladder w dye 5 times dil

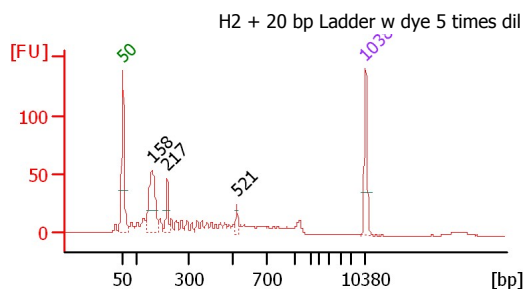
Number of peaks found: 2

Peak table for sample 9 : 20 bp Ladder w dye 5 times dil

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	216	1.47	10.3	
3	522	0.62	1.8	
4	10,380	4.20	0.6	Upper Marker

Assay Class: DNA 7500
Data Path: D:\...-04\2100 expert_DNA 7500_DE24802235_2010-10-04_12-41-05.xad

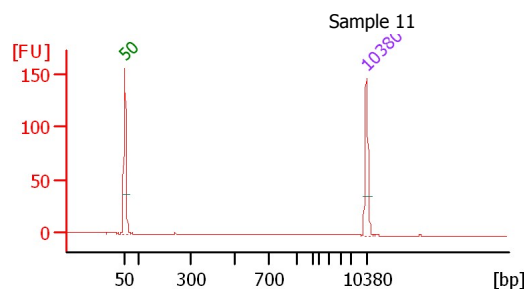
Created: 10/4/2010 12:41:05 PM
Modified: 10/4/2010 1:47:06 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 :** H2 + 20 bp Ladder w dye 5 times dil

Number of peaks found: 3

Peak table for sample 10 : H2 + 20 bp Ladder w dye 5 times dil

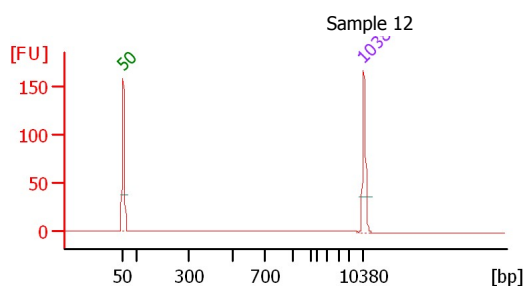
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	158	7.14	68.5	
3	217	2.00	14.0	
4	521	0.74	2.2	
5	10,380	4.20	0.6	Upper Marker

**Overall Results for sample 11 :** Sample 11

Number of peaks found: 0

Peak table for sample 11 : Sample 11

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,380	4.20	0.6	Upper Marker

**Overall Results for sample 12 :** Sample 12

Number of peaks found: 0

Peak table for sample 12 : Sample 12

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,380	4.20	0.6	Upper Marker

Assay Class: DNA 7500
Data Path: D:\...-04\2100 expert_DNA 7500_DE24802235_2010-10-04_12-41-05.xad

Created: 10/4/2010 12:41:05 PM
Modified: 10/4/2010 1:47:06 PM

Gel Image