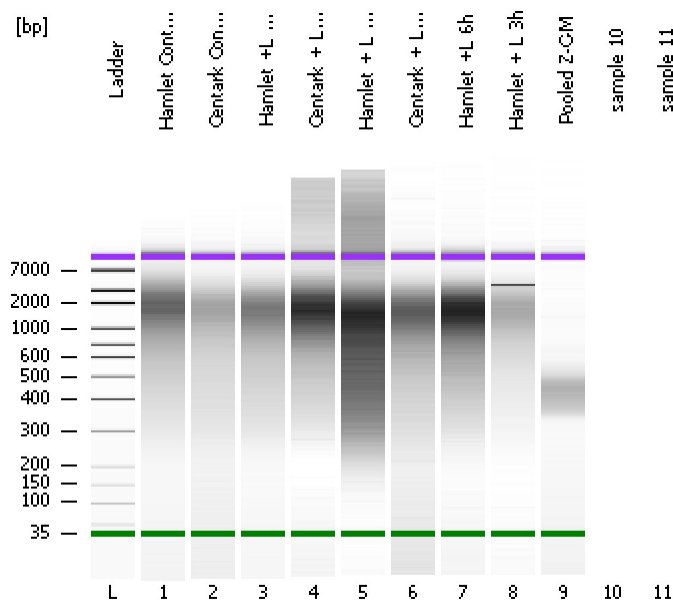


Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-18_16-20-22.xad

Created: 10/18/2011 4:20:22 PM
Modified: 10/18/2011 4:57:29 PM

Electrophoresis File Run Summary



Instrument Information:

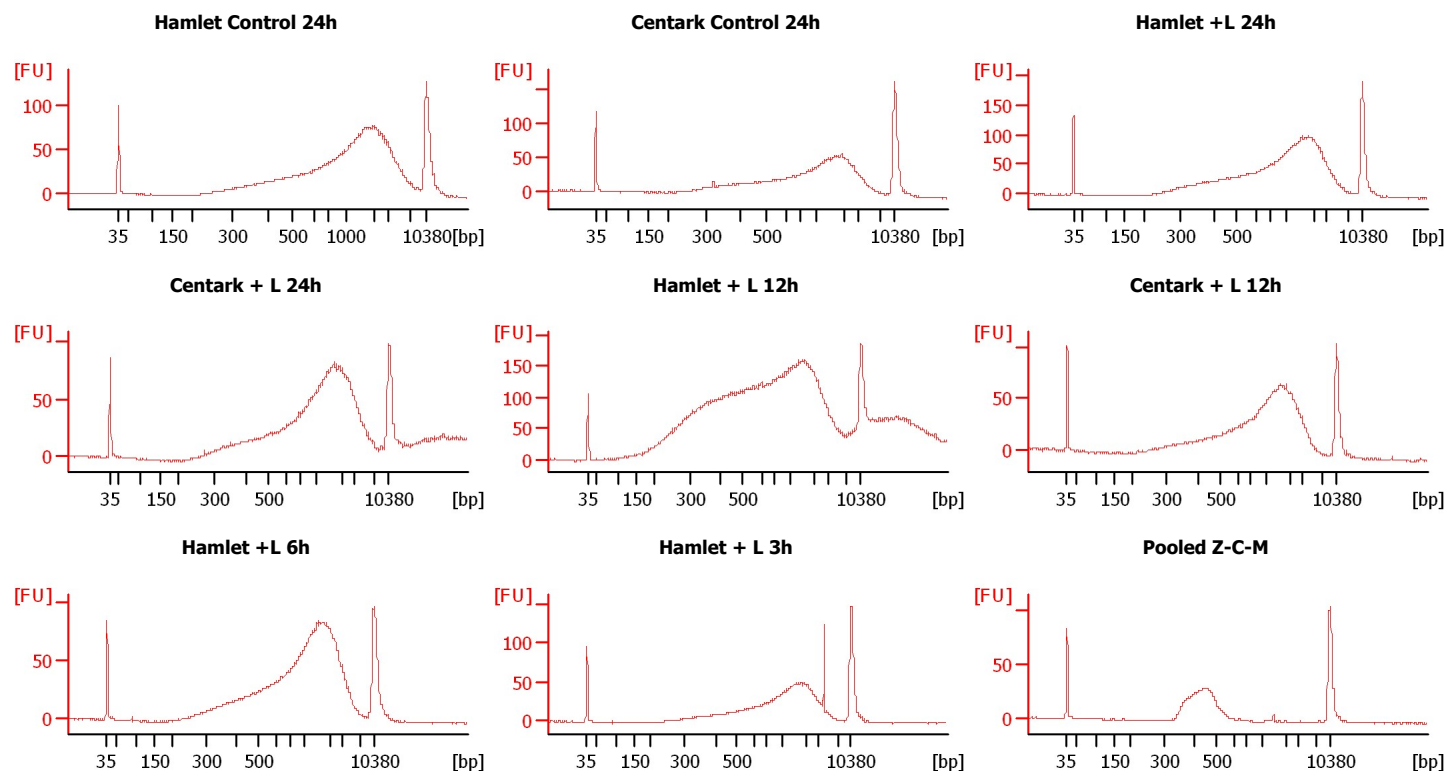
Instrument Name: Ann's baby
Serial#: DE24802235
Firmware: C.01.069
Type: G2938B

Assay Information:

Assay Origin Path: D:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\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:



Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-18_16-20-22.xad

Created: 10/18/2011 4:20:22 PM
Modified: 10/18/2011 4:57:29 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Hamlet Control 24h		☐	✓			
Centark Control 24h		☐	✓			
Hamlet +L 24h		☐	✓			
Centark + L 24h		☐	✓			
Hamlet + L 12h		☐	✓			
Centark + L 12h		☐	✓			
Hamlet +L 6h		☐	✓			
Hamlet + L 3h		☐	✓			
Pooled Z-C-M		☐	✓			
sample 10		☐				
sample 11		☐				
Ladder		☐	✓			
Chip Lot #			Reagent Kit Lot #			

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-18_16-20-22.xad

Created: 10/18/2011 4:20:22 PM
Modified: 10/18/2011 4:57:29 PM

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] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

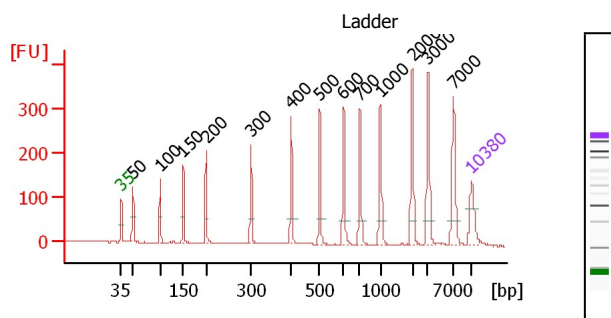
Ladder

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

Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-18_16-20-22.xad

Created: 10/18/2011 4:20:22 PM
 Modified: 10/18/2011 4:57:29 PM

Electropherogram Summary



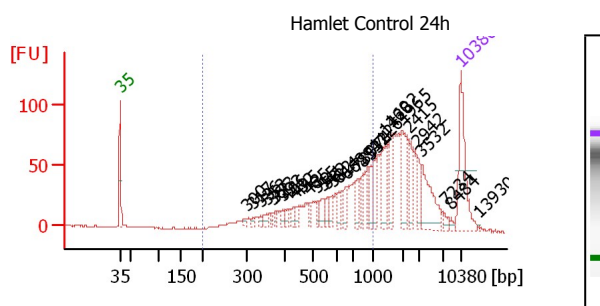
Overall Results for Ladder

Noise: 0.2

Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
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

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker



Overall Results for sample 1 : Hamlet Control 24h

Number of peaks found: 31
 Noise: 0.3
 Corr. Area 1: 799.4

Region table for sample 1 : Hamlet Control 24h

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	799.4	47	599	33.0	445.95	1,346.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-18_16-20-22.xad

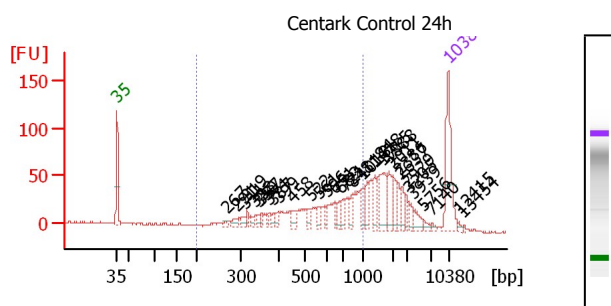
Created: 10/18/2011 4:20:22 PM
 Modified: 10/18/2011 4:57:29 PM

Electropherogram Summary Continued ...

Peak table for sample 1 : Hamlet Control 24h

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	300	5.39	27.2	
3	317	4.91	23.5	
4	336	4.30	19.4	
5	353	10.79	46.3	
6	366	5.32	22.0	
7	373	6.51	26.4	
8	393	6.00	23.1	
9	406	9.07	33.9	
10	432	10.99	38.5	
11	445	10.54	35.9	
12	485	8.96	28.0	
13	515	9.99	29.4	
14	541	16.26	45.5	
15	562	15.00	40.4	
16	582	14.15	36.9	
17	614	11.05	27.3	
18	663	20.30	46.4	
19	780	17.27	33.5	
20	853	17.11	30.4	
21	942	14.94	24.0	
22	974	18.76	29.2	
23	1,126	23.24	31.3	
24	1,428	36.04	38.2	
25	1,602	27.36	25.9	
26	1,965	43.22	33.3	

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	2,415	23.65	14.8	
28	2,942	20.63	10.6	
29	3,532	57.19	24.5	
30	7,234	5.47	1.1	
31	8,484	3.07	0.5	
32	10,380	75.00	10.9	Upper Marker
33	13,930	0.00	0.0	



Overall Results for sample 2 : Centark Control 24h

Number of peaks found: 33
 Noise: 0.8
 Corr. Area 1: 733.2

Region table for sample 2 : Centark Control 24h

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	733.2	52	574	35.1	379.26	1,216.5	Blue

Peak table for sample 2 : Centark Control 24h

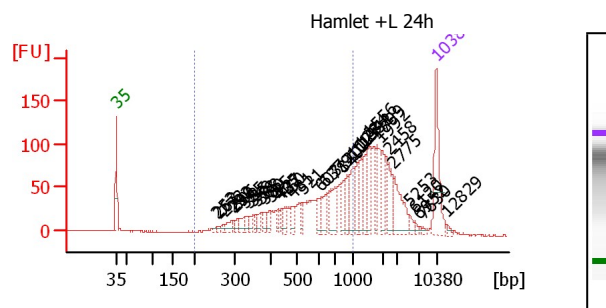
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	267	5.12	29.1	
3	291	12.07	62.8	
4	311	10.10	49.2	
5	319	6.52	31.0	
6	338	8.70	39.0	
7	350	6.61	28.6	
8	357	6.81	28.9	
9	374	7.91	32.0	
10	387	8.01	31.4	
11	399	9.80	37.2	
12	458	14.97	49.5	
13	522	11.89	34.5	
14	561	13.75	37.2	
15	596	10.56	26.9	
16	651	10.01	23.3	
17	683	13.42	29.8	
18	721	15.05	31.6	
19	848	14.30	25.5	
20	1,018	15.59	23.2	
21	1,184	21.44	27.4	
22	1,418	21.89	23.4	
23	1,715	36.39	32.1	
24	1,888	22.34	17.9	
25	2,011	25.94	19.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-18_16-20-22.xad

Created: 10/18/2011 4:20:22 PM
 Modified: 10/18/2011 4:57:29 PM

Electropherogram Summary Continued ...

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	2,386	10.78	6.8	
27	2,637	15.47	8.9	
28	2,929	7.70	4.0	
29	3,205	9.40	4.4	
30	3,939	15.96	6.1	
31	5,756	5.47	1.4	
32	7,140	2.60	0.6	
33	10,380	75.00	10.9	Upper Marker
34	12,415	0.00	0.0	
35	13,454	0.00	0.0	



Overall Results for sample 3 : Hamlet +L 24h

Number of peaks found: 37
 Noise: 0.8
 Corr. Area 1: 1,154.0

Region table for sample 3 : Hamlet +L 24h

From To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200 1,000	1,154.0	53	586	34.0	544.21	1,687.7	Blue

Peak table for sample 3 : Hamlet +L 24h

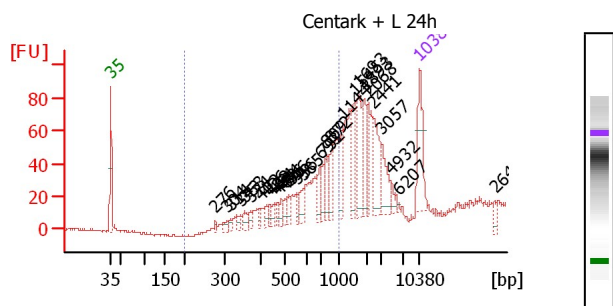
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	253	4.81	28.8	
3	262	5.05	29.2	
4	273	7.09	39.4	
5	292	15.63	81.1	
6	299	7.33	37.2	
7	306	7.96	39.4	
8	325	17.44	81.4	
9	335	9.54	43.1	
10	349	14.35	62.3	
11	358	12.52	53.0	
12	368	11.50	47.4	
13	380	10.99	43.9	
14	395	16.38	62.9	
15	425	13.50	48.2	
16	437	10.60	36.8	
17	450	12.76	42.9	
18	481	18.44	58.1	
19	521	13.17	38.3	
20	603	18.23	45.8	
21	637	28.02	66.7	
22	712	45.23	96.3	
23	840	17.41	31.4	
24	911	30.50	50.7	
25	1,027	37.92	55.9	

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	1,163	29.89	38.9	
27	1,284	29.71	35.0	
28	1,441	37.25	39.2	
29	1,556	35.76	34.8	
30	1,799	24.44	20.6	
31	1,992	32.57	24.8	
32	2,458	31.84	19.6	
33	2,775	53.61	29.3	
34	5,253	8.25	2.4	
35	6,120	4.49	1.1	
36	6,952	2.35	0.5	
37	7,630	2.52	0.5	
38	10,380	75.00	10.9	Upper Marker
39	12,829	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-18_16-20-22.xad

Created: 10/18/2011 4:20:22 PM
 Modified: 10/18/2011 4:57:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Centark + L 24h

Number of peaks found: 30
 Noise: 0.6
 Corr. Area 1: 416.5

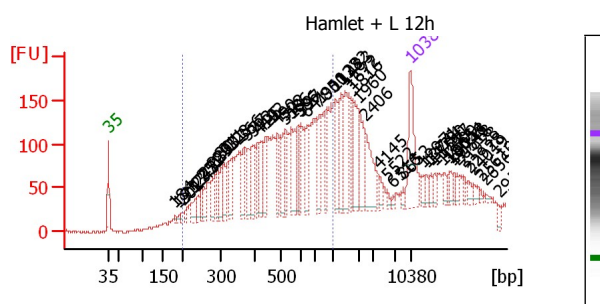
Region table for sample 4 : Centark + L 24h

From To [bp]	Corr. Area [bp]	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarit y [pmol/l]	Co lo r
200	1,000	416.5	38	680	26.8	406.47	1,011.4

Peak table for sample 4 :

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	276	5.21	28.7	
3	304	13.07	65.0	
4	314	11.71	56.4	
5	343	13.18	58.1	
6	353	20.32	87.1	
7	374	15.94	64.6	
8	402	12.45	46.9	
9	426	17.36	61.7	
10	438	10.72	37.1	
11	454	16.98	56.6	
12	469	13.83	44.6	
13	484	17.25	53.9	
14	496	12.54	38.3	
15	516	19.10	56.1	
16	556	13.31	36.3	
17	585	30.05	77.8	
18	693	39.54	86.5	
19	732	26.43	54.7	
20	809	37.01	69.3	
21	872	37.34	64.9	
22	1,144	44.42	58.8	
23	1,545	54.53	53.5	
24	1,693	64.59	57.8	
25	1,893	60.48	48.4	
26	2,068	34.17	25.0	

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	2,441	76.76	47.6	
28	3,057	52.21	25.9	
29	4,932	13.11	4.0	
30	6,207	2.22	0.5	
31	10,380	75.00	10.9	Upper Marker
32	26,426	0.00	0.0	



Overall Results for sample 5 : Hamlet + L 12h

Number of peaks found: 54
 Noise: 1.7
 Corr. Area 1: 3,525.1

Region table for sample 5 : Hamlet + L 12h

From To [bp]	Corr. Area [bp]	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarit y [pmol/l]	Co lo r
200	1,000	3,525.1	65	518	37.8	1,483.25	5,354.4

Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-18_16-20-22.xad

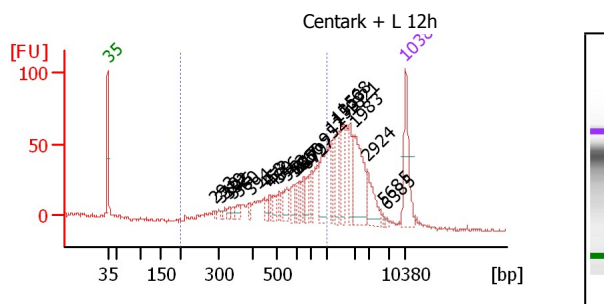
Created: 10/18/2011 4:20:22 PM
 Modified: 10/18/2011 4:57:29 PM

Electropherogram Summary Continued ...

Peak table for sample 5 : Hamlet + L 12h

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker	27	641	41.27	97.5	
2	184	4.77	39.3		28	785	36.80	71.0	
3	193	6.15	48.4		29	900	29.59	49.8	
4	201	6.77	51.0		30	1,128	40.87	54.9	
5	213	9.34	66.5		31	1,332	52.01	59.2	
6	237	27.42	175.3		32	1,483	49.31	50.4	
7	243	16.30	101.5		33	1,672	35.15	31.9	
8	251	20.46	123.3		34	1,816	41.99	35.0	
9	259	22.60	132.0		35	1,960	47.74	36.9	
10	280	27.04	146.4		36	2,406	57.50	36.2	
11	293	28.55	147.8		37	4,145	10.84	4.0	
12	301	27.51	138.3		38	5,522	6.02	1.7	
13	311	37.46	182.5		39	6,516	3.24	0.8	
14	328	35.13	162.3		40	8,652	3.66	0.6	
15	366	34.21	141.7		41	10,380	75.00	10.9	Upper Marker
16	377	31.88	128.2		42	12,971	0.00	0.0	
17	393	38.20	147.3		43	13,744	0.00	0.0	
18	410	29.56	109.3		44	14,790	0.00	0.0	
19	425	48.38	172.5		45	15,517	0.00	0.0	
20	442	34.88	119.6		46	17,609	0.00	0.0	
21	490	39.80	123.2		47	18,654	0.00	0.0	
22	519	34.58	101.0		48	19,018	0.00	0.0	
23	528	29.99	86.1		49	19,745	0.00	0.0	
24	556	65.00	177.1		50	20,518	0.00	0.0	
25	586	28.81	74.5		51	21,928	0.00	0.0	
26	597	28.38	72.0		52	22,928	0.00	0.0	

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
53	24,019	0.00	0.0	
54	25,610	0.00	0.0	
55	26,565	0.00	0.0	
56	29,566	0.00	0.0	



Overall Results for sample 6 : Centark + L 12h

Number of peaks found: 27
 Noise: 0.9
 Corr. Area 1: 726.7

Region table for sample 6 : Centark + L 12h

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	726.7	50	603	33.4	558.75	1,689.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-18_16-20-22.xad

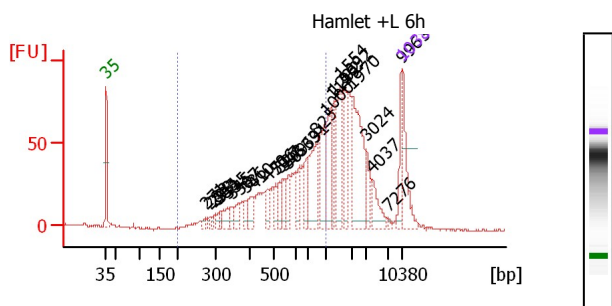
Created: 10/18/2011 4:20:22 PM
 Modified: 10/18/2011 4:57:29 PM

Electropherogram Summary Continued ...

Peak table for sample 6 : Centark + L 12h

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	293	5.12	26.5	
3	310	5.29	25.9	
4	319	5.61	26.7	
5	332	10.18	46.4	
6	345	7.43	32.7	
7	360	15.40	64.8	
8	394	11.40	43.8	
9	453	14.36	48.0	
10	472	10.67	34.2	
11	489	12.04	37.3	
12	516	12.02	35.3	
13	552	29.53	81.1	
14	586	17.19	44.5	
15	600	14.59	36.9	
16	617	15.24	37.4	
17	650	20.47	47.7	
18	679	17.14	38.2	
19	727	19.05	39.7	
20	952	64.27	102.2	
21	1,153	27.30	35.9	
22	1,353	37.25	41.7	
23	1,568	51.87	50.1	
24	1,821	32.11	26.7	
25	1,983	94.46	72.2	
26	2,924	46.31	24.0	

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	5,685	3.48	0.9	
28	6,385	2.24	0.5	
29	10,380	75.00	10.9	Upper Marker



Overall Results for sample 7 : Hamlet +L 6h

Number of peaks found: 28
 Noise: 0.6
 Corr. Area 1: 879.0

Region table for sample 7 : Hamlet +L 6h

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	879.0	49	604	32.7	862.07	2,568.5	Blue

Peak table for sample 7 : Hamlet +L 6h

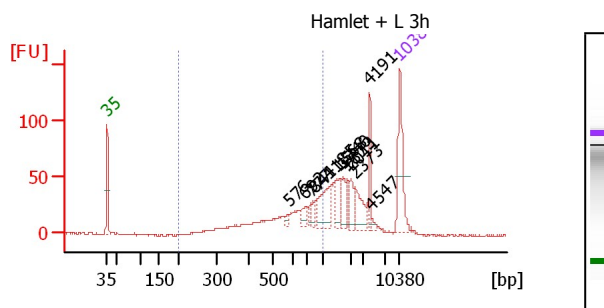
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	271	9.77	54.7	
3	282	9.29	50.0	
4	293	10.91	56.5	
5	303	13.80	68.9	
6	311	11.49	55.9	
7	335	32.44	146.6	
8	345	20.14	88.4	
9	367	31.36	129.4	
10	386	18.47	72.6	
11	410	35.28	130.4	
12	470	23.84	76.9	
13	506	25.43	76.1	
14	527	32.85	94.5	
15	548	34.00	94.0	
16	569	31.03	82.7	
17	633	51.64	123.6	
18	691	53.26	116.8	
19	825	98.93	181.8	
20	1,000	83.27	126.2	
21	1,199	80.07	101.1	
22	1,292	41.60	48.8	
23	1,554	93.63	91.3	
24	1,692	89.48	80.1	
25	1,970	166.93	128.4	

Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-18_16-20-22.xad

Created: 10/18/2011 4:20:22 PM
 Modified: 10/18/2011 4:57:29 PM

Electropherogram Summary Continued ...

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	3,024	25.01	12.5	
27	4,037	42.25	15.9	
28	7,276	2.51	0.5	
29	9,963	41.02	6.2	
30	10,380	75.00	10.9	Upper Marker



Overall Results for sample 8 : Hamlet + L 3h

Number of peaks found: 12
 Noise: 0.4
 Corr. Area 1: 463.7

Region table for sample 8 : Hamlet + L 3h

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	463.7	47	614	31.9	279.25	811.5	Blue

Peak table for sample 8 : Hamlet + L 3h

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	576	6.16	16.2	
3	692	13.07	28.6	
4	777	9.28	18.1	
5	844	13.87	24.9	
6	1,185	56.11	71.7	
7	1,568	33.43	32.3	
8	1,740	23.68	20.6	
9	1,873	16.39	13.3	
10	2,011	21.07	15.9	
11	2,373	38.23	24.4	
12	4,191	17.69	6.4	
13	4,547	4.56	1.5	
14	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-18_16-20-22.xad

Created: 10/18/2011 4:20:22 PM
Modified: 10/18/2011 4:57:29 PM

Gel Image