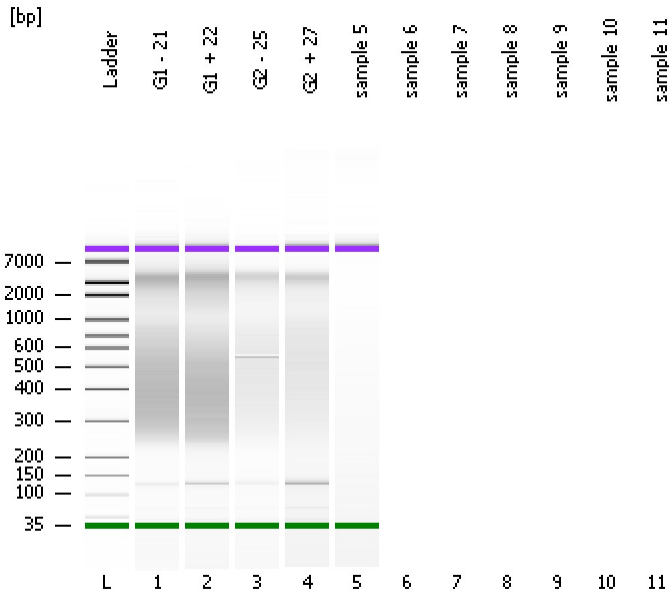


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-24\2017-05-24_002.xad

Created: 5/24/2017 10:59:07 AM
Modified: 5/24/2017 11:23:17 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\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

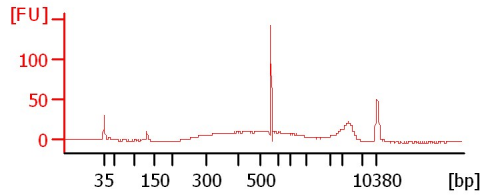
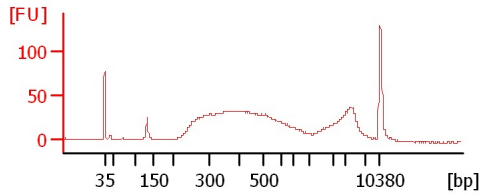
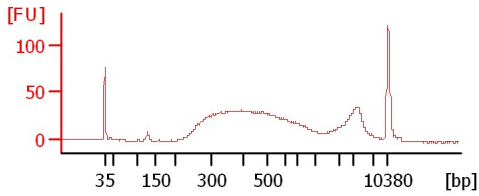
Chip Information:

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

G1 - 21

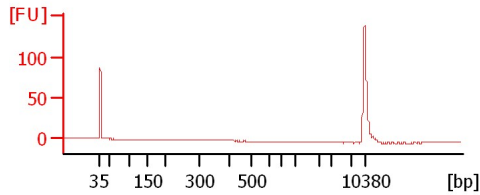
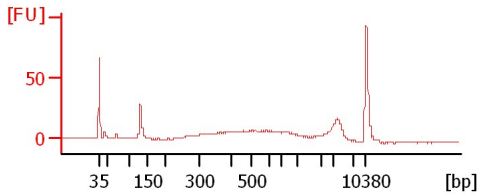
G1 + 22

G2 - 25



G2 + 27

sample 5



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-24\2017-05-24_002.xad

Created: 5/24/2017 10:59:07 AM
 Modified: 5/24/2017 11:23:17 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
G1 - 21		<input type="checkbox"/>				
G1 + 22		<input type="checkbox"/>				
G2 - 25		<input type="checkbox"/>				
G2 + 27		<input type="checkbox"/>				
sample 5		<input type="checkbox"/>				
sample 6		<input type="checkbox"/>				
sample 7		<input type="checkbox"/>				
sample 8		<input type="checkbox"/>				
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

Chip Lot #

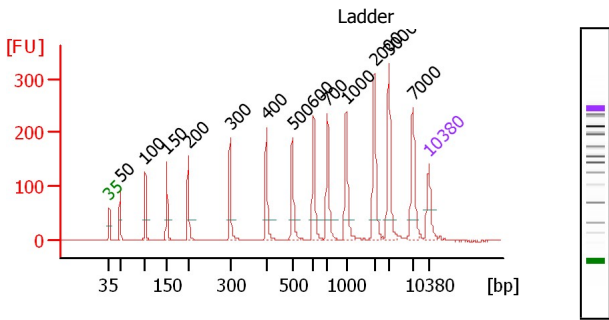
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-24\2017-05-24_002.xad

Created: 5/24/2017 10:59:07 AM
 Modified: 5/24/2017 11:23:17 AM

Electropherogram Summary



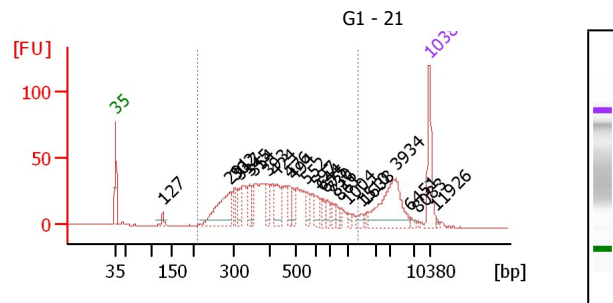
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.33
3	100	150.00	2,272.7	Ladder Peak	50.91
4	150	150.00	1,515.2	Ladder Peak	55.62
5	200	150.00	1,136.4	Ladder Peak	60.28
6	300	150.00	757.6	Ladder Peak	69.43
7	400	150.00	568.2	Ladder Peak	77.38
8	500	150.00	454.5	Ladder Peak	83.05
9	600	150.00	378.8	Ladder Peak	87.76
10	700	150.00	324.7	Ladder Peak	90.78
11	1,000	150.00	227.3	Ladder Peak	94.85
12	2,000	150.00	113.6	Ladder Peak	101.02
13	3,000	150.00	75.8	Ladder Peak	104.18

Overall Results for Ladder

Noise: 0.2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
14	7,000	150.00	32.5	Ladder Peak	109.43
15	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 1 : G1 - 21

Number of peaks found: 24
 Noise: 0.3
 Corr. Area 1: 1,020.4

Region table for sample 1 : G1 - 21

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total in CV [%]	Size distribution [%]
209	1,359	473	1,020.4	3,928.1	1,023.9	80	40.9

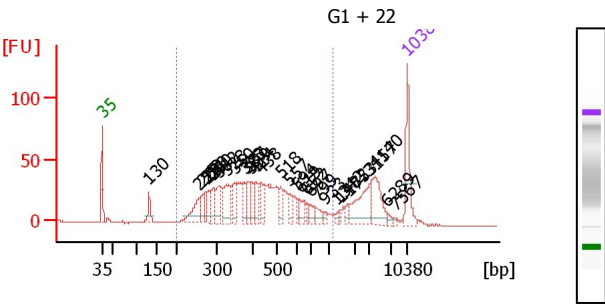
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-24\2017-05-24_002.xad

Created: 5/24/2017 10:59:07 AM
 Modified: 5/24/2017 11:23:17 AM

Electropherogram Summary Continued ...

Peak table for sample 1 : G1 - 21

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time	Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00	26	11,926	0.00	0.0		114.63
2	127	17.31	206.0		53.49						
3	291	160.35	835.5		68.59						
4	302	31.03	155.5		69.61						
5	317	27.63	132.1		70.78						
6	345	47.71	209.5		73.01						
7	354	27.30	116.7		73.76						
8	393	35.26	136.1		76.79						
9	424	55.25	197.4		78.75						
10	476	30.75	97.9		81.68						
11	494	21.15	64.9		82.71						
12	552	25.94	71.2		85.50						
13	597	26.34	66.9		87.60						
14	644	18.01	42.4		89.09						
15	675	23.43	52.6		90.02						
16	730	19.68	40.8		91.19						
17	816	9.27	17.2		92.35						
18	861	8.73	15.4		92.96						
19	1,004	9.91	15.0		94.87						
20	1,510	11.41	11.5		97.99						
21	1,638	5.74	5.3		98.79						
22	3,934	138.29	53.3		105.40						
23	6,451	6.06	1.4		108.71						
24	8,083	1.77	0.3		110.58						
25	10,380	75.00	10.9	Upper Marker	113.00						



Overall Results for sample 2 : G1 + 22

Number of peaks found: 29
 Noise: 0.3
 Corr. Area 1: 1,045.9

Region table for sample 2 : G1 + 22

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total in CV [%]	Size distribution
199	1,198	445	1,045.9	3,940.7	984.54	77	37.2

Peak table for sample 2 : G1 + 22

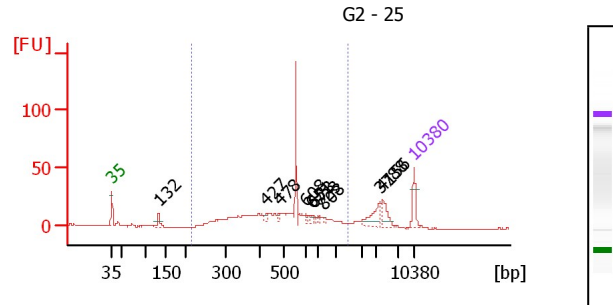
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	130	38.51	447.5		53.77
3	255	71.62	425.5		65.31
4	263	28.68	165.3		66.03
5	271	26.70	149.5		66.75
6	280	29.28	158.7		67.56
7	290	44.58	232.8		68.52
8	302	55.24	276.7		69.62
9	328	61.73	285.4		71.63
10	350	43.18	187.0		73.40
11	378	27.96	112.0		75.65
12	387	37.39	146.3		76.37
13	399	30.46	115.8		77.28
14	414	31.78	116.2		78.19
15	438	41.07	142.1		79.53
16	518	22.36	65.4		83.89
17	557	29.08	79.0		85.76
18	594	16.16	41.2		87.48
19	619	24.93	61.0		88.34
20	672	12.88	29.1		89.92
21	697	18.40	40.0		90.69
22	799	20.58	39.0		92.12
23	933	7.14	11.6		93.94
24	1,342	6.74	7.6		96.96
25	1,482	5.74	5.9		97.82

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-24\2017-05-24_002.xad

Created: 5/24/2017 10:59:07 AM
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Electropherogram Summary Continued ...

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
26	1,753	13.47	11.6		99.50
27	3,157	72.44	34.8		104.38
28	4,140	68.88	25.2		105.67
29	6,289	6.81	1.6		108.50
30	7,567	2.44	0.5		110.03
31	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 3 : G2 - 25

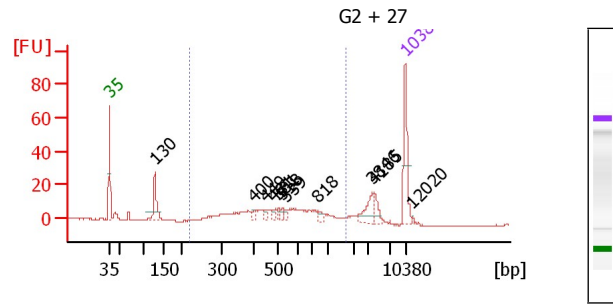
Number of peaks found: 10
 Noise: 0.2
 Corr. Area 1: 367.4

Region table for sample 3 : G2 - 25

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution in CV [%]
212	1,433	524	367.4	3,201.8	936.87	76	38.0

Peak table for sample 3 : G2 - 25

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	132	48.69	560.7		53.88
3	427	14.36	51.0		78.89
4	478	14.64	46.4		81.80
5	608	11.60	28.9		87.99
6	651	10.57	24.6		89.30
7	673	10.64	23.9		89.97
8	723	11.59	24.3		91.09
9	808	10.70	20.1		92.25
10	3,788	87.63	35.1		105.21
11	4,156	69.68	25.4		105.70
12	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 4 : G2 + 27

Number of peaks found: 11
 Noise: 0.2
 Corr. Area 1: 218.1

Region table for sample 4 : G2 + 27

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution in CV [%]
219	1,637	570	218.1	858.5	259.85	64	45.7

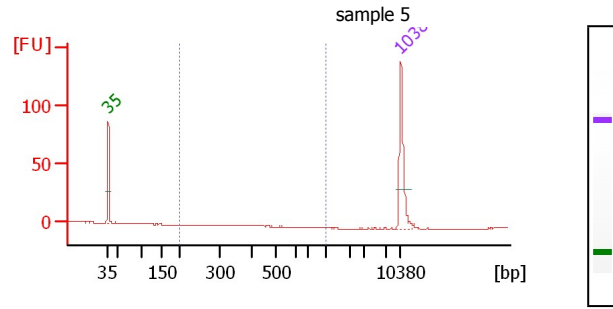
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-24\2017-05-24_002.xad

Created: 5/24/2017 10:59:07 AM
 Modified: 5/24/2017 11:23:17 AM

Electropherogram Summary Continued ...

Peak table for sample 4 : G2 + 27

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	130	71.26	827.7		53.78
3	400	6.27	23.7		77.41
4	449	6.64	22.4		80.18
5	481	6.23	19.6		81.95
6	501	6.18	18.7		83.09
7	518	8.43	24.7		83.88
8	539	7.28	20.5		84.87
9	818	10.40	19.3		92.39
10	3,846	33.73	13.3		105.29
11	4,185	17.82	6.5		105.73
12	10,380	75.00	10.9	Upper Marker	113.00
13	12,020	0.00	0.0		114.73



Overall Results for sample 5 : sample 5

Number of peaks found: 0
 Noise: 0.2
 Corr. Area 1: 0.0

Region table for sample 5 : sample 5

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

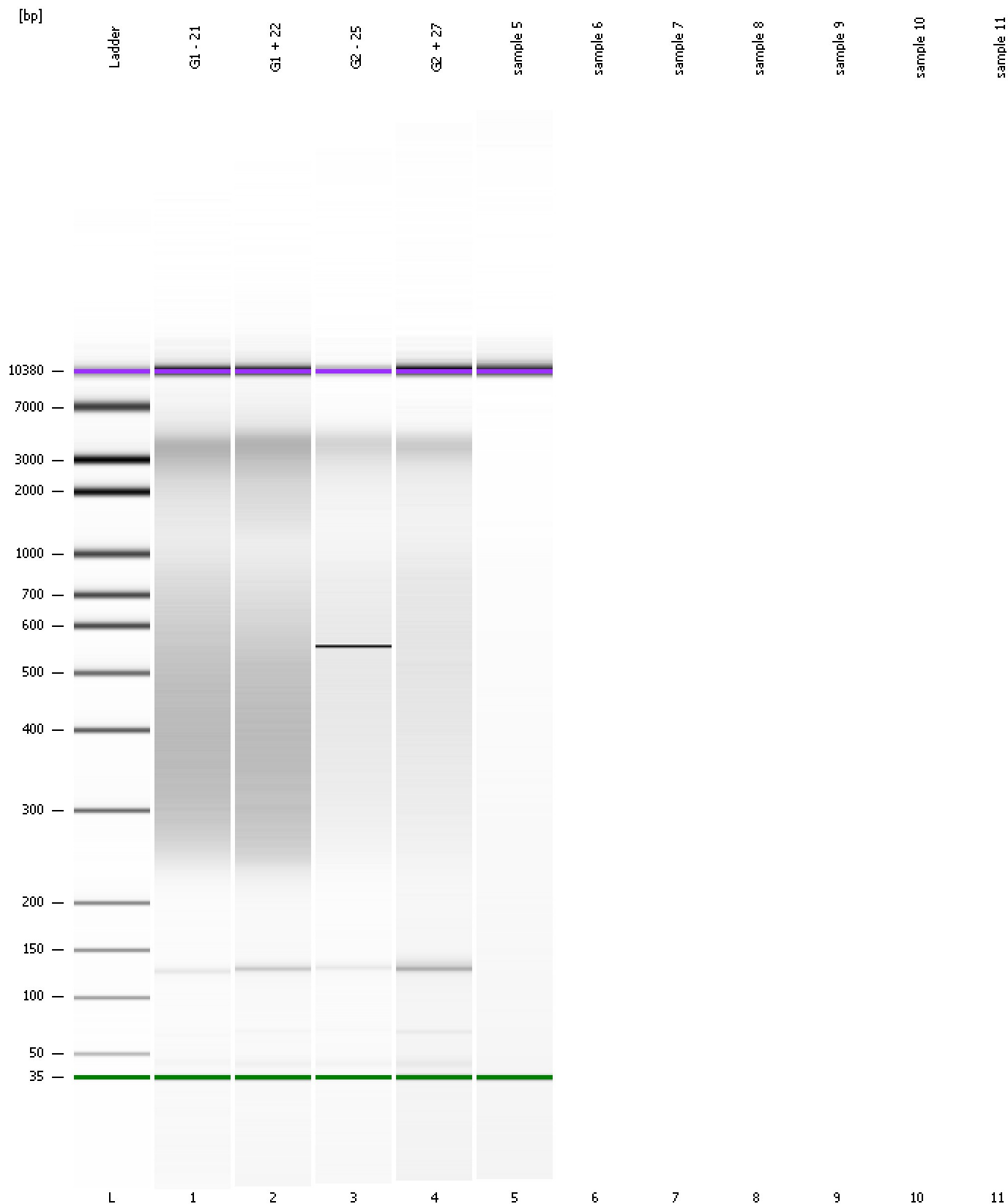
Peak table for sample 5 : sample 5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-24\2017-05-24_002.xad

Created: 5/24/2017 10:59:07 AM
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Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-24\2017-05-24_002.xad

Created: 5/24/2017 10:59:07 AM
Modified: 5/24/2017 11:23:17 AM

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.