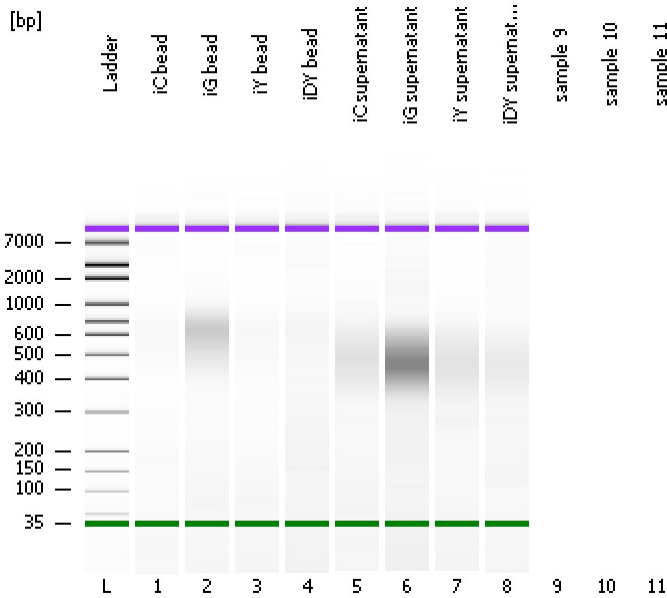


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-23\2017-05-23_001.xad

Created: 5/23/2017 10:26:34 AM
Modified: 5/23/2017 10:59:18 AM

Electrophoresis File Run Summary



Instrument Information:

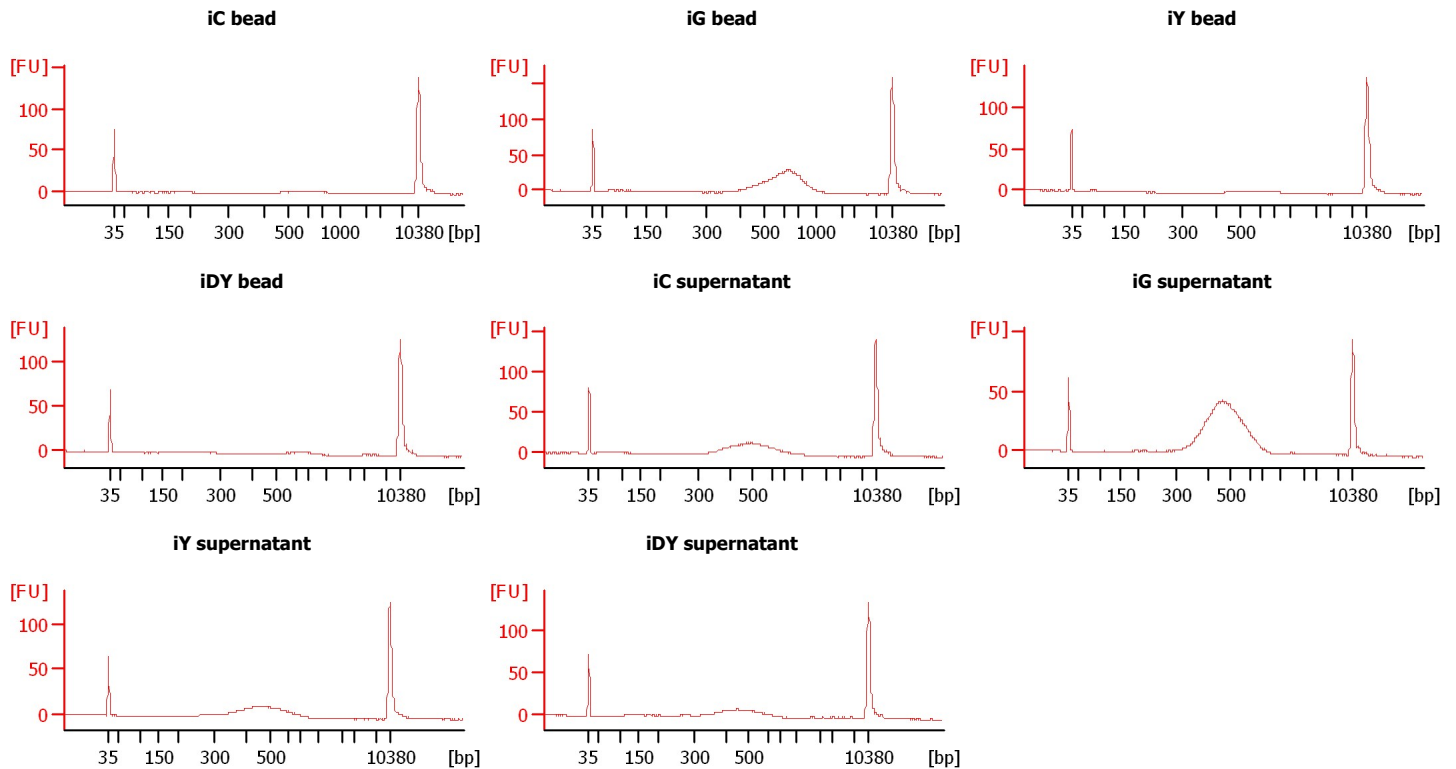
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-23\2017-05-23_001.xad

Created: 5/23/2017 10:26:34 AM
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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
iC bead		<input type="checkbox"/>				
iG bead		<input type="checkbox"/>				
iY bead		<input type="checkbox"/>				
iDY bead		<input type="checkbox"/>				
iC supernatant		<input type="checkbox"/>				
iG supernatant		<input type="checkbox"/>				
iY supernatant		<input type="checkbox"/>				
iDY supernatant		<input type="checkbox"/>				
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

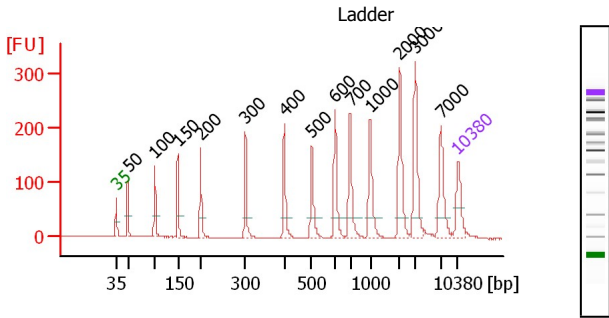
Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-23\2017-05-23_001.xad

Created: 5/23/2017 10:26:34 AM
 Modified: 5/23/2017 10:59:18 AM

Electropherogram Summary



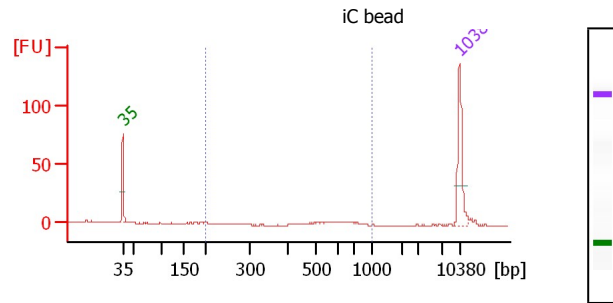
Peak table for Ladder

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	45.31
3	100	150.00	2,272.7	Ladder Peak	50.92
4	150	150.00	1,515.2	Ladder Peak	55.63
5	200	150.00	1,136.4	Ladder Peak	60.30
6	300	150.00	757.6	Ladder Peak	69.46
7	400	150.00	568.2	Ladder Peak	77.42
8	500	150.00	454.5	Ladder Peak	83.07
9	600	150.00	378.8	Ladder Peak	87.87
10	700	150.00	324.7	Ladder Peak	90.91
11	1,000	150.00	227.3	Ladder Peak	95.02
12	2,000	150.00	113.6	Ladder Peak	101.10
13	3,000	150.00	75.8	Ladder Peak	104.27

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	109.49
15	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 1 : iC bead

Number of peaks found: 0
 Noise: 0.3
 Corr. Area 1: 28.0

Region table for sample 1 : iC bead

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	609	28.0	55.7	21.49	50	16.2

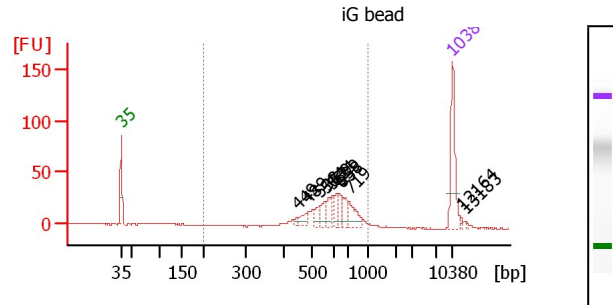
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-23\2017-05-23_001.xad

Created: 5/23/2017 10:26:34 AM
 Modified: 5/23/2017 10:59:18 AM

Electropherogram Summary Continued ...

Peak table for sample 1 : iC bead

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



Overall Results for sample 2 : iG bead

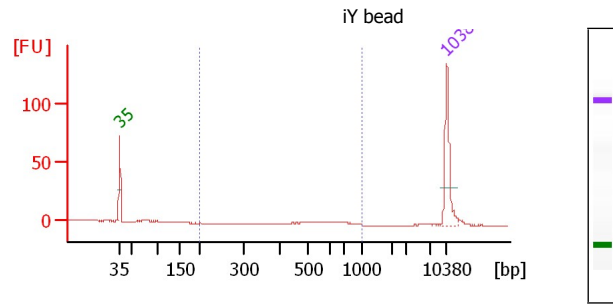
Number of peaks found: 11
 Noise: 0.2
 Corr. Area 1: 360.3

Region table for sample 2 : iG bead

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	613	360.3	597.4	230.75	91	19.5

Peak table for sample 2 : iG bead

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	449	7.74	26.1		80.18
3	489	18.84	58.4		82.43
4	538	22.41	63.1		84.90
5	564	21.82	58.6		86.14
6	589	21.11	54.3		87.33
7	621	20.07	48.9		88.52
8	639	13.25	31.4		89.05
9	658	31.40	72.3		89.62
10	719	32.80	69.1		91.17
11	10,380	75.00	10.9	Upper Marker	113.00
12	12,164	0.00	0.0		114.85
13	13,183	0.00	0.0		115.91



Overall Results for sample 3 : iY bead

Number of peaks found: 0
 Noise: 0.2
 Corr. Area 1: 16.4

Region table for sample 3 : iY bead

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	617	16.4	28.8	11.46	59	13.4

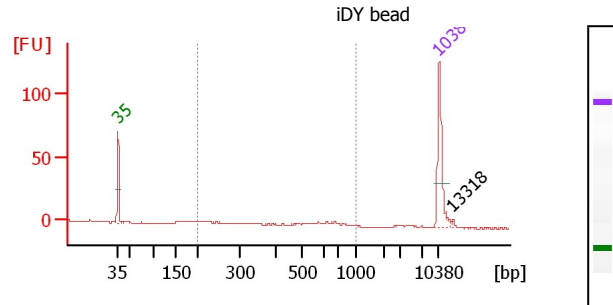
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-23\2017-05-23_001.xad

Created: 5/23/2017 10:26:34 AM
 Modified: 5/23/2017 10:59:18 AM

Electropherogram Summary Continued ...

Peak table for sample 3 : iY bead

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



Overall Results for sample 4 : iDY bead

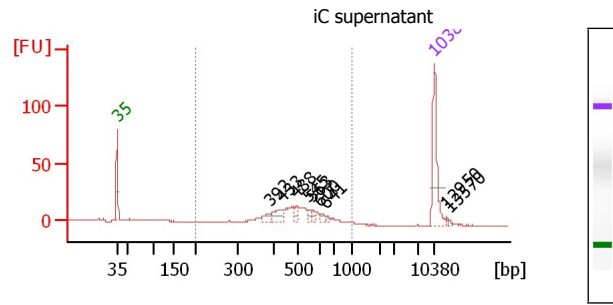
Number of peaks found: 1
 Noise: 0.2
 Corr. Area 1: 32.5

Region table for sample 4 : iDY bead

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	528	32.5	106.2	27.36	58	35.2

Peak table for sample 4 : iDY bead

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
3	13,318	0.00	0.0		116.05



Overall Results for sample 5 : iC supernatant

Number of peaks found: 9
 Noise: 0.2
 Corr. Area 1: 250.5

Region table for sample 5 : iC supernatant

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	498	250.5	603.3	183.19	79	24.0

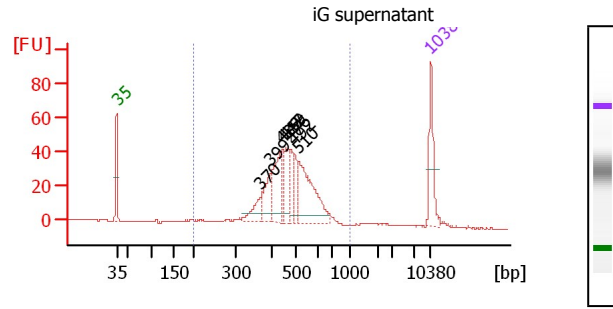
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-23\2017-05-23_001.xad

Created: 5/23/2017 10:26:34 AM
 Modified: 5/23/2017 10:59:18 AM

Electropherogram Summary Continued ...

Peak table for sample 5 : iC supernatant

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	392	12.64	48.9		76.78
3	433	23.57	82.4		79.31
4	488	8.85	27.5		82.40
5	545	5.59	15.5		85.25
6	563	5.72	15.4		86.08
7	600	6.08	15.4		87.87
8	641	2.70	6.4		89.11
9	10,380	75.00	10.9	Upper Marker	113.00
10	12,950	0.00	0.0		115.67
11	13,570	0.00	0.0		116.31



Overall Results for sample 6 : iG supernatant

Number of peaks found: 8
 Noise: 0.2
 Corr. Area 1: 630.7

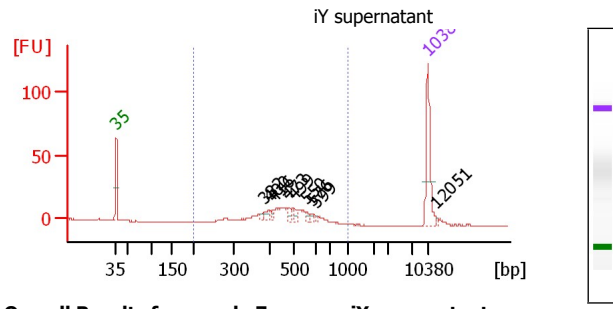
Region table for sample 6 : iG supernatant

From [bp]	To [bp]	Average Size [bp]	Corrected Area	Molarity [pmol/l]	Concentration [pg/μl]	% of Total	Size distribution Total in CV [%]
200	1,000	475	630.7	2,400.3	714.15	97	18.7

200 1,000 475 630.7 2,400.3 714.15 97 18.7

Peak table for sample 6 : iG supernatant

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	370	49.40	202.5		75.00
3	399	79.01	300.2		77.33
4	439	114.87	396.8		79.60
5	447	40.58	137.6		80.07
6	459	69.53	229.4		80.77
7	476	50.31	160.0		81.74
8	492	50.25	154.7		82.63
9	510	204.07	606.1		83.56
10	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 7 : iY supernatant

Number of peaks found: 9
 Noise: 0.2
 Corr. Area 1: 198.2

Region table for sample 7 : iY supernatant

From [bp]	To [bp]	Average Size [bp]	Corrected Area	Molarity [pmol/l]	Concentration [pg/μl]	% of Total	Size distribution Total in CV [%]
200	1,000	468	198.2	618.5	179.12	94	20.5

200 1,000 468 198.2 618.5 179.12 94 20.5

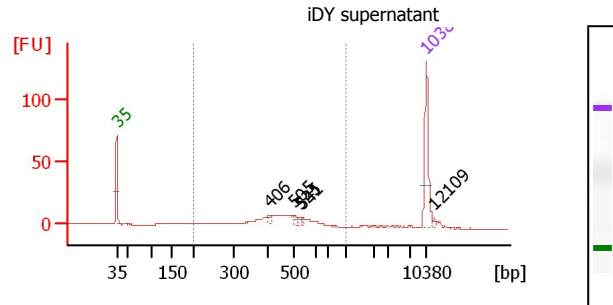
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-23\2017-05-23_001.xad

Created: 5/23/2017 10:26:34 AM
 Modified: 5/23/2017 10:59:18 AM

Electropherogram Summary Continued ...

Peak table for sample 7 : iDY supernatant

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	382	5.37	21.3		75.98
3	400	12.04	45.6		77.44
4	416	8.09	29.5		78.33
5	473	8.77	28.1		81.57
6	499	6.48	19.7		83.02
7	550	6.77	18.6		85.46
8	576	4.66	12.2		86.73
9	599	4.14	10.5		87.81
10	10,380	75.00	10.9	Upper Marker	113.00
11	12,051	0.00	0.0		114.74



Overall Results for sample 8 : iDY supernatant

Number of peaks found: 5
 Noise: 0.2
 Corr. Area 1: 163.1

Region table for sample 8 : iDY supernatant

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	449	163.1	545.5	146.52	79	23.8

Peak table for sample 8 : iDY supernatant

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	406	6.31	23.6		77.74
3	505	5.68	17.0		83.32
4	525	3.83	11.1		84.26
5	541	3.69	10.3		85.02
6	10,380	75.00	10.9	Upper Marker	113.00
7	12,109	0.00	0.0		114.80

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-23\2017-05-23_001.xad

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Gel Image

