

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...r\2100 expert\data\2017-05-19\2017-05-19\2017-05-19\_001.xad

Created: 5/19/2017 10:11:05 AM  
Modified: 5/19/2017 10:27:34 AM

**Electrophoresis File Run Summary**

Instrument Information:

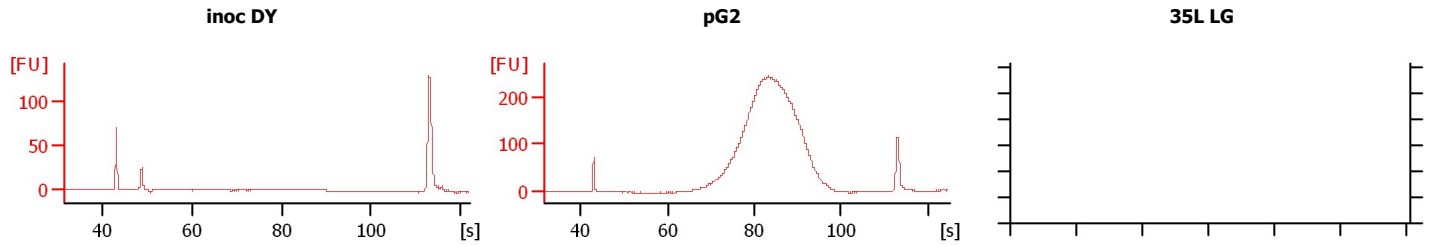
Instrument Name: DE13701086                      Firmware: C.01.069  
Serial#: DE13701086                                Type: G2938B

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:



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**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
inoc DY		<input type="checkbox"/>				
pG2		<input type="checkbox"/>				
35L LG		<input type="checkbox"/>				
21R LG		<input type="checkbox"/>				
31L LG		<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 #**

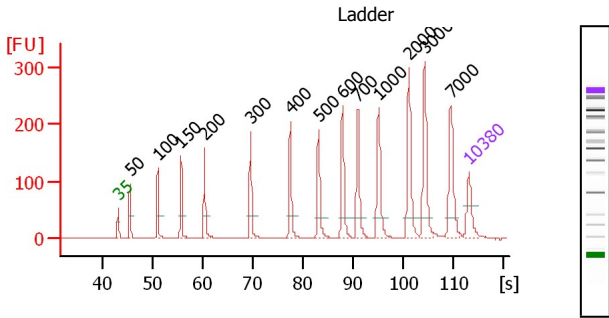
**Reagent Kit Lot #**

**Chip Comments :**

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**Electropherogram Summary**



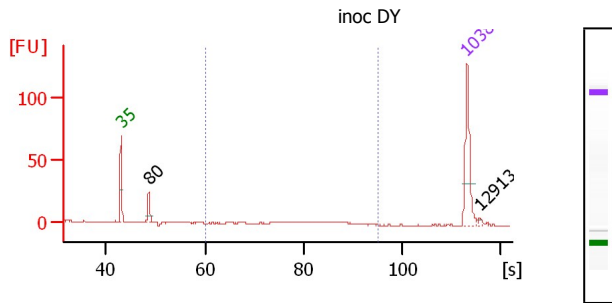
**Peak table for Ladder**

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	45.32
3	100	150.00	2,272.7	Ladder Peak	50.90
4	150	150.00	1,515.2	Ladder Peak	55.59
5	200	150.00	1,136.4	Ladder Peak	60.24
6	300	150.00	757.6	Ladder Peak	69.40
7	400	150.00	568.2	Ladder Peak	77.35
8	500	150.00	454.5	Ladder Peak	82.96
9	600	150.00	378.8	Ladder Peak	87.78
10	700	150.00	324.7	Ladder Peak	90.82
11	1,000	150.00	227.3	Ladder Peak	94.96
12	2,000	150.00	113.6	Ladder Peak	101.04
13	3,000	150.00	75.8	Ladder Peak	104.13

**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	109.28
15	10,380	75.00	10.9	Upper Marker	113.00



**Overall Results for sample 1 : inoc DY**

Number of peaks found: 2  
 Noise: 0.3  
 Corr. Area 1: 31.9

**Region table for sample 1 : inoc DY**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total in CV	Size distribution [%]
200	1,000	493	31.9	87.0	26.84	44	19.0

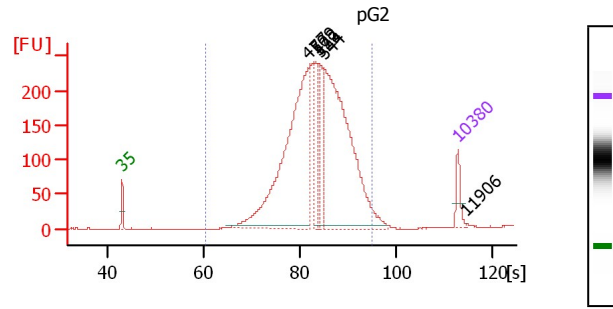
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**Electropherogram Summary Continued ...**

**Peak table for sample 1 : inoc DY**

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	80	32.66	619.4		48.66
3	10,380	75.00	10.9	Upper Marker	113.00
4	12,913	0.00	0.0		115.79



**Overall Results for sample 2 : pG2**

Number of peaks found: 6  
 Noise: 0.2  
 Corr. Area 1: 4,237.1

**Region table for sample 2 : pG2**

From [bp]	To [bp]	Average Size [bp]	Corrected Area	Molarity [pmol/l]	Concentration [pg/μl]	% of Total in CV [%]
200	1,000	533	4,237.1	13,646.1	4,460.6	99.23.8

**Peak table for sample 2 : pG2**

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	477	1,797.43	5,705.9		81.69
3	509	296.20	881.2		83.41
4	522	178.16	517.0		84.03
5	529	173.75	497.2		84.38
6	544	1,885.12	5,249.3		85.09
7	10,380	75.00	10.9	Upper Marker	113.00
8	11,906	0.00	0.0		114.68

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**Gel Image**