

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...yzer\2100 expert\data\2014-06-26\2014-06-26_001_Lutz_QC.xad

Created: 6/26/2014 7:47:26 AM
Modified: 6/26/2014 8:26:05 AM

Electrophoresis File Run Summary

Instrument Information:

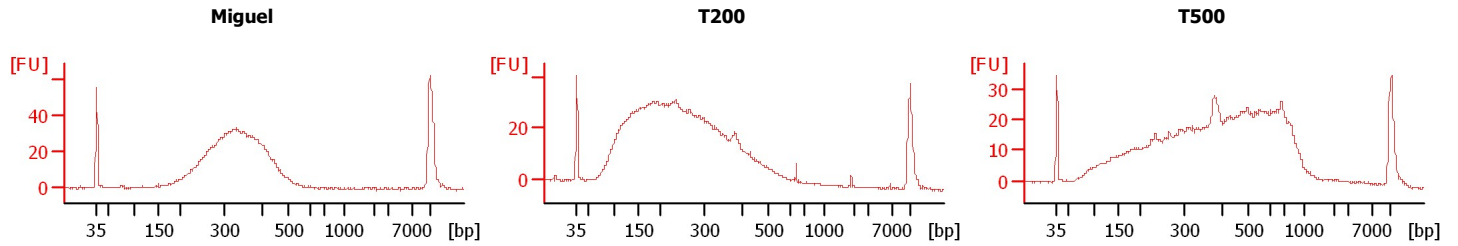
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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
Miguel		<input type="checkbox"/>	✓			
T200		<input type="checkbox"/>	✓			
T500		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

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

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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/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 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

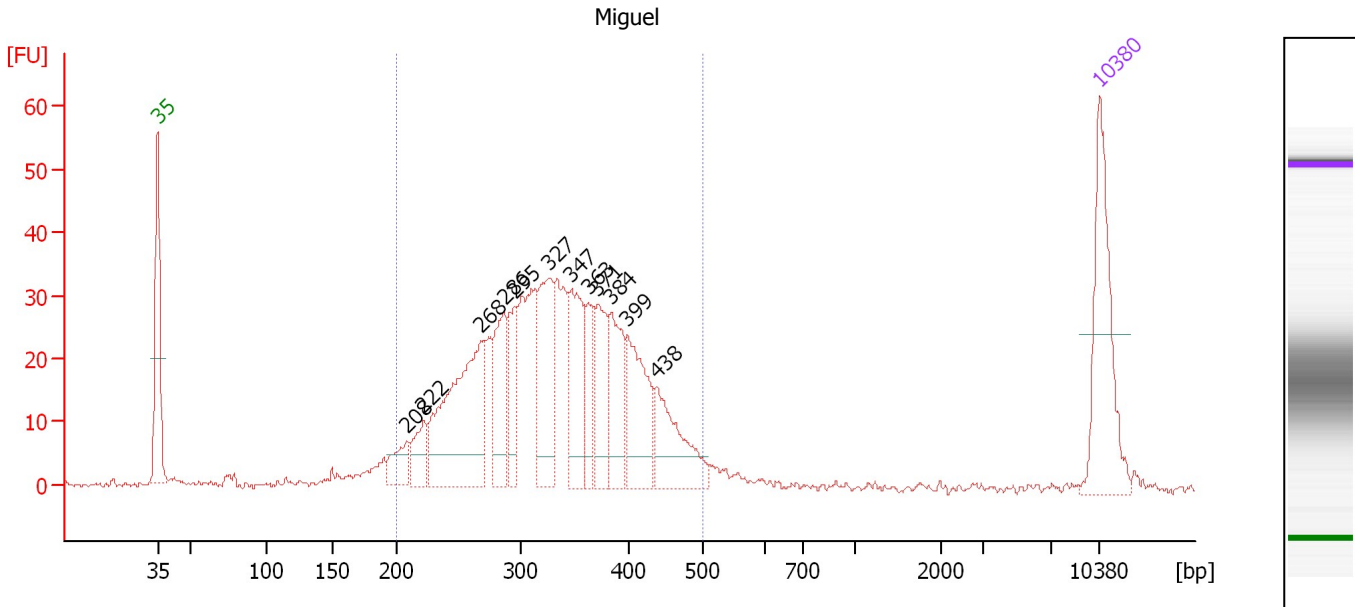
Ladder

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

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Electropherogram Summary



Overall Results for sample 7 : Miguel

Number of peaks found: 12 Corr. Area 1: 671.5
 Noise: 0.5

Peak table for sample 7 : Miguel

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	208	25.64	186.5	
3	222	29.80	203.6	
4	268	170.59	963.9	
5	286	60.81	322.2	
6	295	45.00	231.4	
7	327	86.12	399.6	
8	347	76.97	336.4	
9	363	36.92	154.0	
10	371	48.83	199.3	
11	384	60.68	239.5	
12	399	74.91	284.4	
13	438	64.35	222.6	
14	10,380	75.00	10.9	Upper Marker

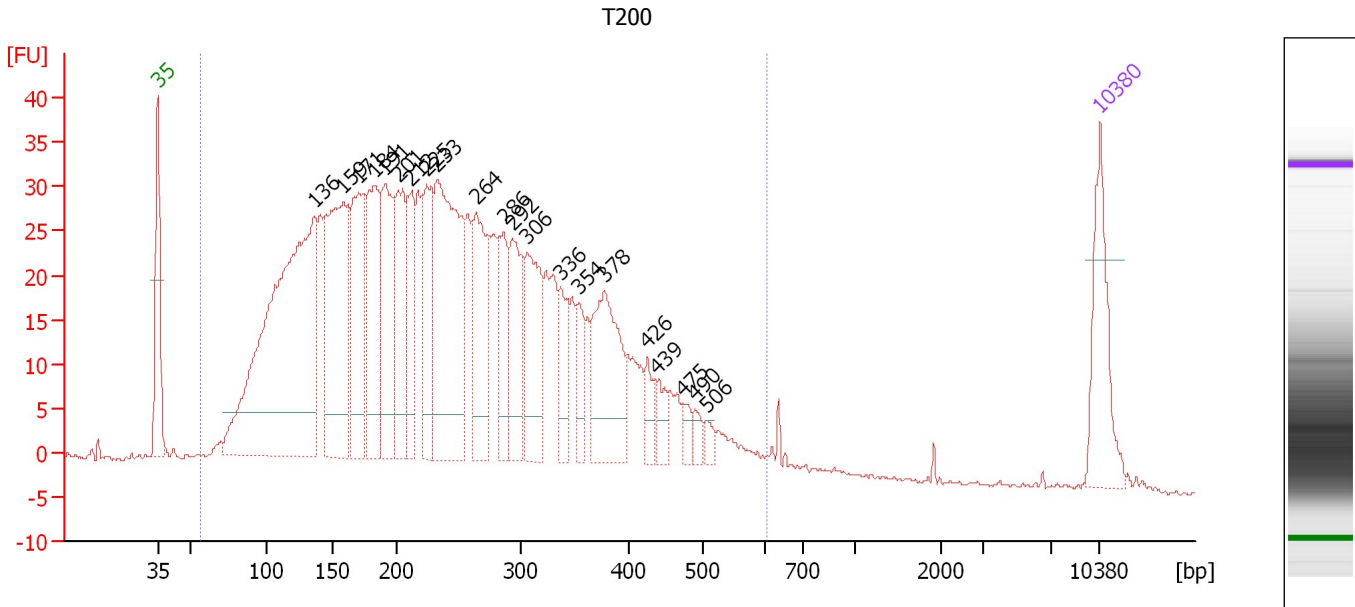
Region table for sample 7 : Miguel

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	501	333	4,882.8	1,016.38	671.5	87	19.8

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Electropherogram Summary Continued ...



Overall Results for sample 8 : T200

Number of peaks found: 21 Corr. Area 1: 1,252.1
 Noise: 0.2


Peak table for sample 8 : T200

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	136	695.45	7,723.5	
3	159	299.86	2,857.8	
4	171	170.97	1,516.3	
5	184	160.71	1,325.3	
6	191	155.69	1,232.0	
7	201	134.31	1,010.9	
8	212	93.84	671.0	
9	225	107.62	726.0	
10	233	309.27	2,015.1	
11	264	141.45	812.5	
12	286	70.87	375.4	
13	292	109.72	568.6	
14	306	120.82	598.3	
15	336	43.86	197.6	
16	354	38.70	165.8	
17	378	142.03	569.7	
18	426	26.83	95.4	
19	439	23.65	81.7	
20	475	13.49	43.1	
21	490	12.47	38.6	
22	506	9.98	29.9	
23	10,380	75.00	10.9	Upper Marker

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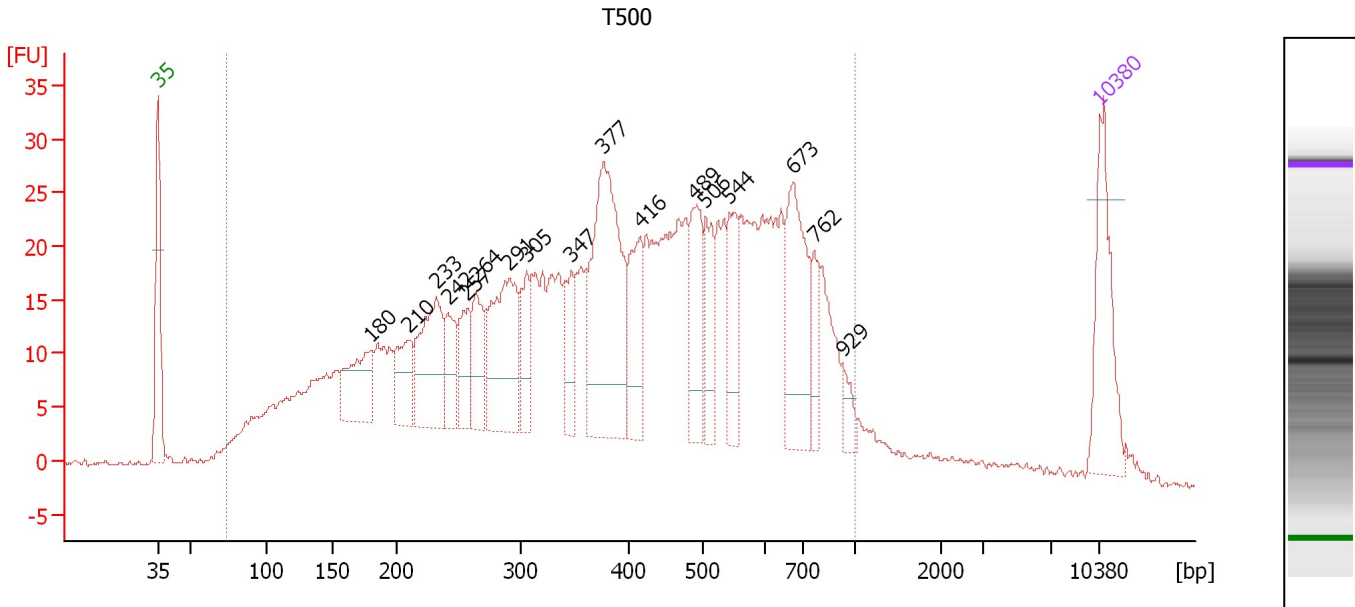
Electropherogram Summary Continued ...**... Region table for sample 8 : T200**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
56	605	251	30,174.0	3,752.13	 1,252.1	98	42.5

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Electropherogram Summary Continued ...



Overall Results for sample 9 : T500

Number of peaks found: 17 Corr. Area 1: 1,047.4
 Noise: 0.3

Peak table for sample 9 : T500

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	180	80.18	673.8	
3	210	55.88	402.4	
4	233	118.96	774.9	
5	242	43.10	270.3	
6	257	43.43	256.1	
7	264	57.91	332.7	
8	291	137.97	719.0	
9	305	47.34	235.0	
10	347	44.75	195.7	
11	377	223.67	899.3	
12	416	68.89	251.1	
13	489	74.88	231.8	
14	506	50.59	151.6	
15	544	53.74	149.8	
16	673	112.77	253.7	
17	762	30.88	61.4	
18	929	15.76	25.7	
19	10,380	75.00	10.9	Upper Marker

Region table for sample 9 : T500

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
73	1,000	419	16,963.6	3,061.53	1,047.4	94	45.9

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Gel Image