Assay Class: High Sensitivity DNA Assay
Data Path: C:\...lyzer\2100 expert\data\2014-07-25\2014-07-25_003_Medici.xad

Created: 7/25/2014 3:33:11 PM
Modified: 7/28/2014 9:21:47 AM

Electrophoresis File Run Summary

Instrument Information:

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

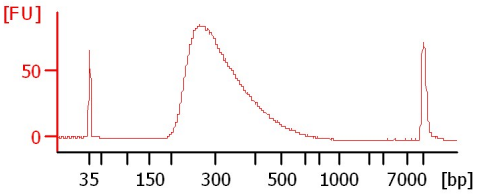
Assay Information:

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

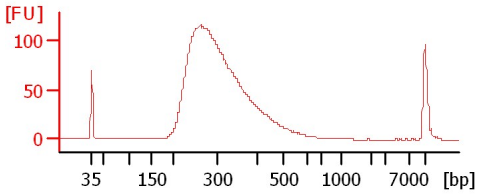
Chip Information:

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

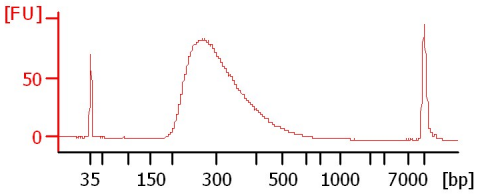
1



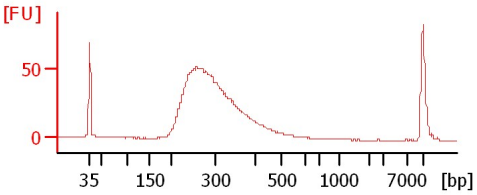
2



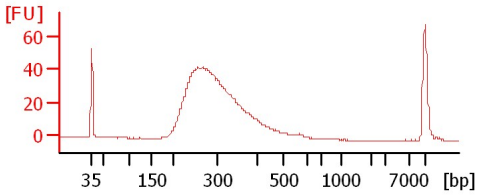
3



4



5



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...lyzer\2100 expert\data\2014-07-25\2014-07-25_003_Medici.xad

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Modified: 7/28/2014 9:21:47 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1		☐	✔			
2		☐	✔			
3		☐	✔			
4		☐	✔			
5		☐	✔			
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...lyzer\2100 expert\data\2014-07-25\2014-07-25_003_Medici.xad

Created: 7/25/2014 3:33:11 PM
Modified: 7/28/2014 9:21:47 AM

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...lyzer\2100 expert\data\2014-07-25\2014-07-25_003_Medici.xad

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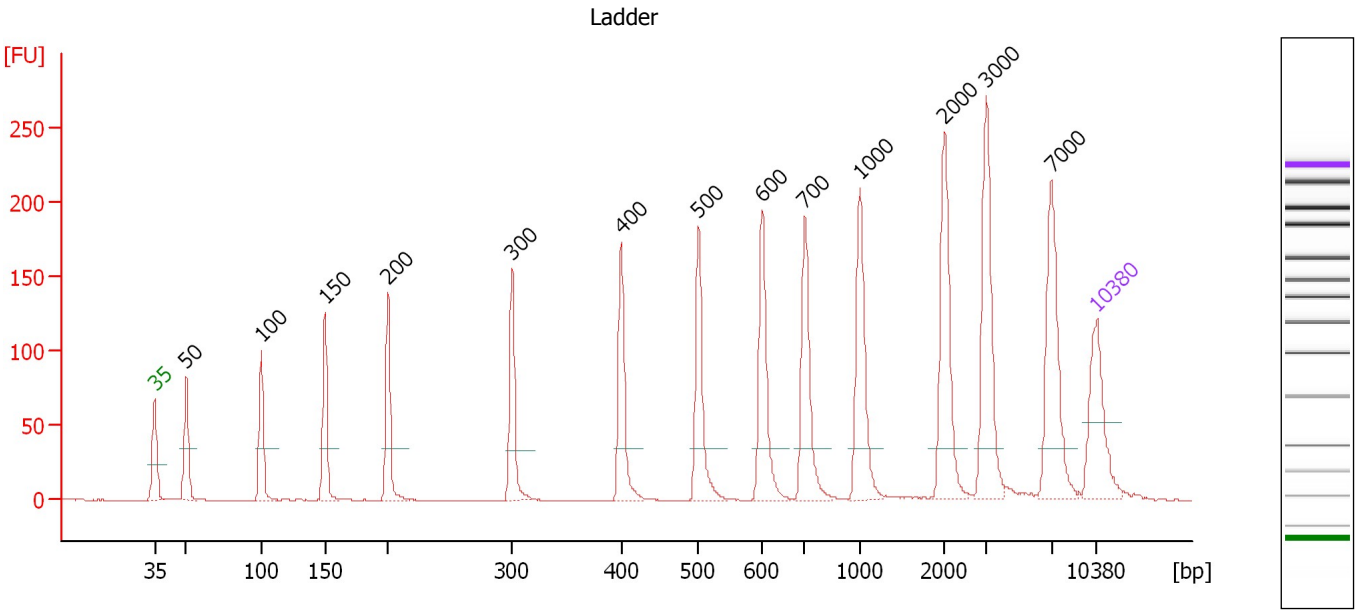
Electropherogram Summary



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
14		7,000	150.00	32.5	Ladder Peak
15		10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...lyzer\2100 expert\data\2014-07-25\2014-07-25_003_Medici.xad

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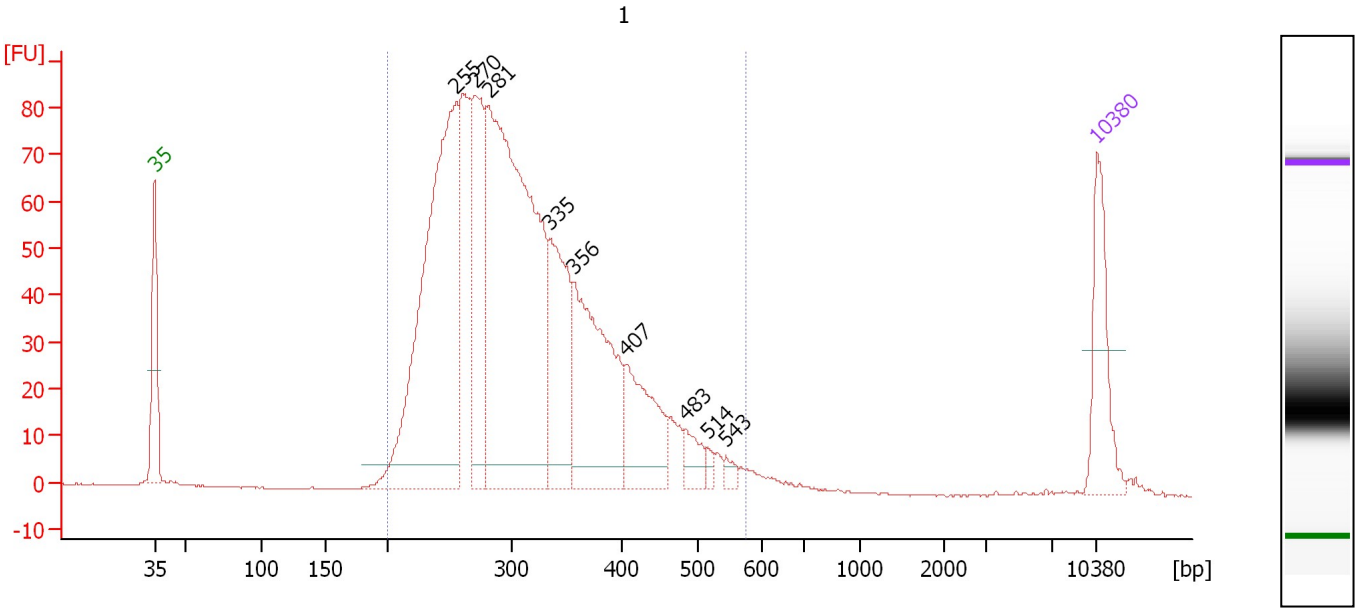
Electropherogram Summary Continued ...



Overall Results for sample 6 : 1

Number of peaks found:	9	Corr. Area 1:	1,551.8
Noise:	0.1		

Peak table for sample 6 : 1

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		255	605.43	3,599.7	
3		270	210.43	1,181.6	
4		281	752.79	4,056.2	
5		335	180.85	819.0	
6		356	257.88	1,096.4	
7		407	122.05	453.9	
8		483	28.53	89.5	
9		514	8.47	25.0	
10		543	9.64	26.9	
11	▶	10,380	75.00	10.9	Upper Marker

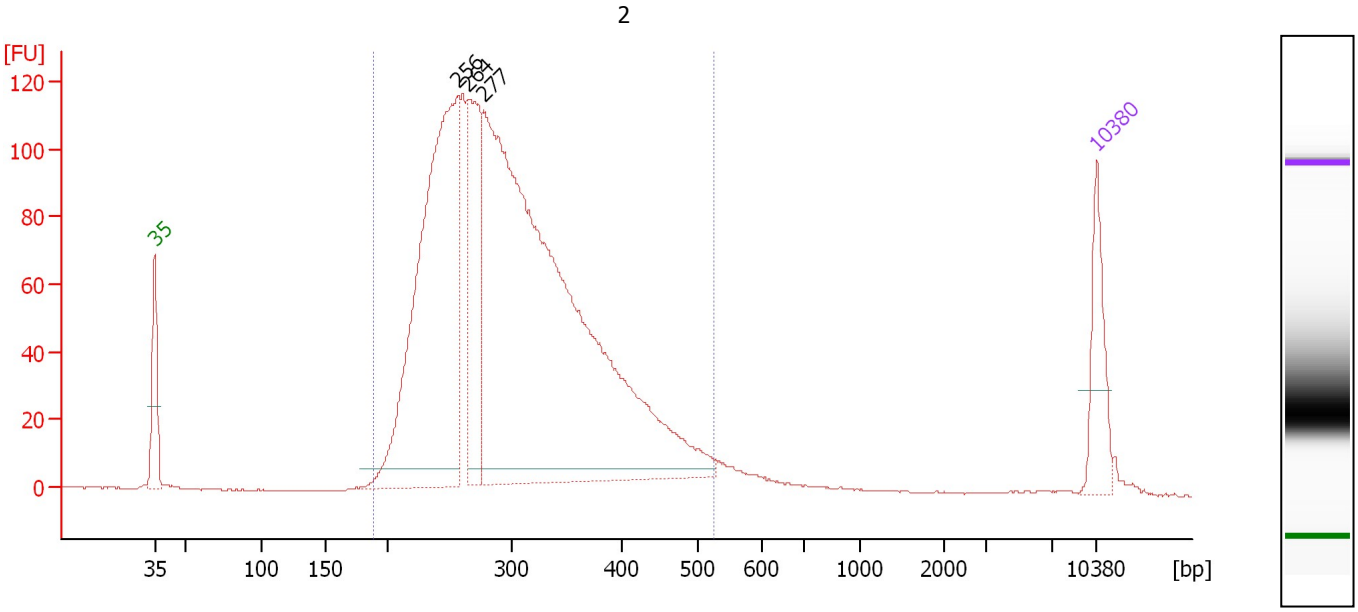
Region table for sample 6 : 1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	575	314	12,153.9	2,372.00	1,551.8	98	22.9

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...lyzer\2100 expert\data\2014-07-25\2014-07-25_003_Medici.xad

Created: 7/25/2014 3:33:11 PM
Modified: 7/28/2014 9:21:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 2

Number of peaks found:	3	Corr. Area 1:	2,127.1
Noise:	0.1		

Peak table for sample 7 : 2

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		256	846.18	4,998.8	
3		264	264.83	1,518.2	
4		277	1,672.09	9,151.9	
5	▶	10,380	75.00	10.9	Upper Marker

Region table for sample 7 : 2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
188	524	305	15,021.9	2,856.65	2,127.1	96	21.8

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...lyzer\2100 expert\data\2014-07-25\2014-07-25_003_Medici.xad

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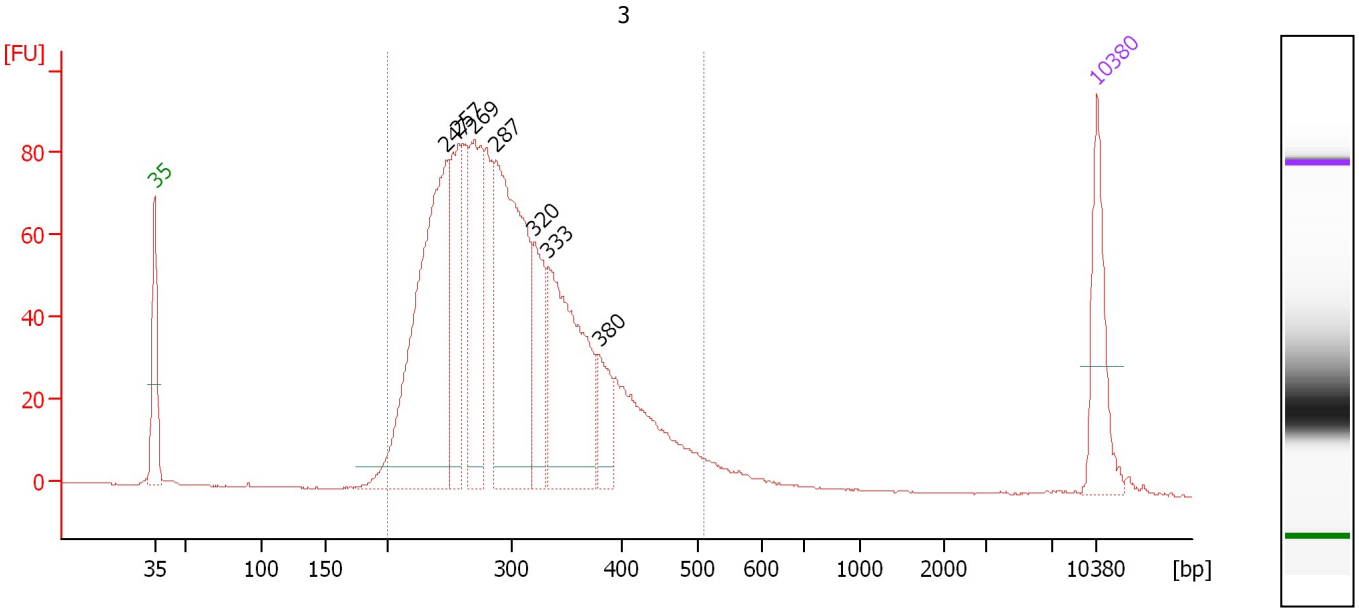
Electropherogram Summary Continued ...



Overall Results for sample 8 : 3

Number of peaks found:	7	Corr. Area 1:	1,534.8
Noise:	0.1		

Peak table for sample 8 : 3

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		247	474.40	2,907.9	
3		257	156.16	922.0	
4		269	194.41	1,094.2	
5		287	393.94	2,079.6	
6		320	102.41	485.1	
7		333	270.98	1,232.9	
8		380	55.98	223.4	
9	▶	10,380	75.00	10.9	Upper Marker

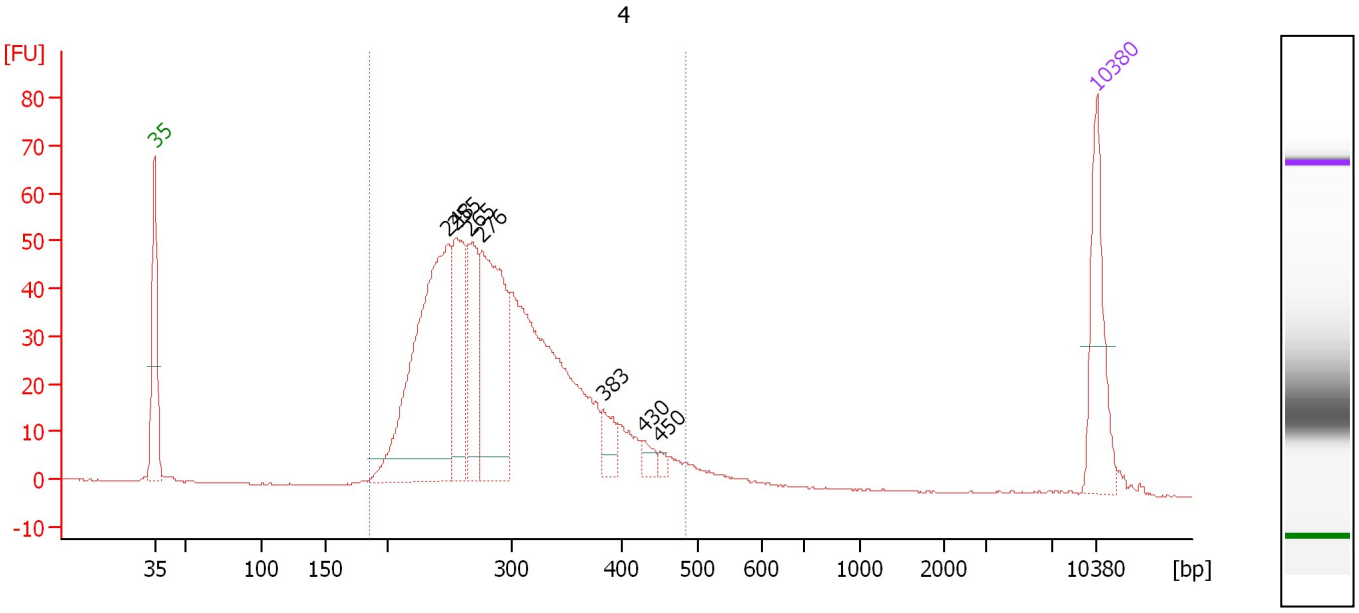
Region table for sample 8 : 3

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	509	304	10,407.7	1,984.54	1,534.8	96	21.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...lyzer\2100 expert\data\2014-07-25\2014-07-25_003_Medici.xad

Created: 7/25/2014 3:33:11 PM
Modified: 7/28/2014 9:21:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 4

Number of peaks found:	7	Corr. Area 1:	901.2
Noise:	0.2		

Peak table for sample 9 : 4

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		248	377.76	2,309.2	
3		255	134.90	802.5	
4		265	100.73	575.5	
5		276	221.82	1,219.2	
6		383	27.44	108.4	
7		430	12.90	45.5	
8		450	6.02	20.2	
9	▶	10,380	75.00	10.9	Upper Marker

Region table for sample 9 : 4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
185	484	296	7,312.0	1,361.60	901.2	96	20.3

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...lyzer\2100 expert\data\2014-07-25\2014-07-25_003_Medici.xad

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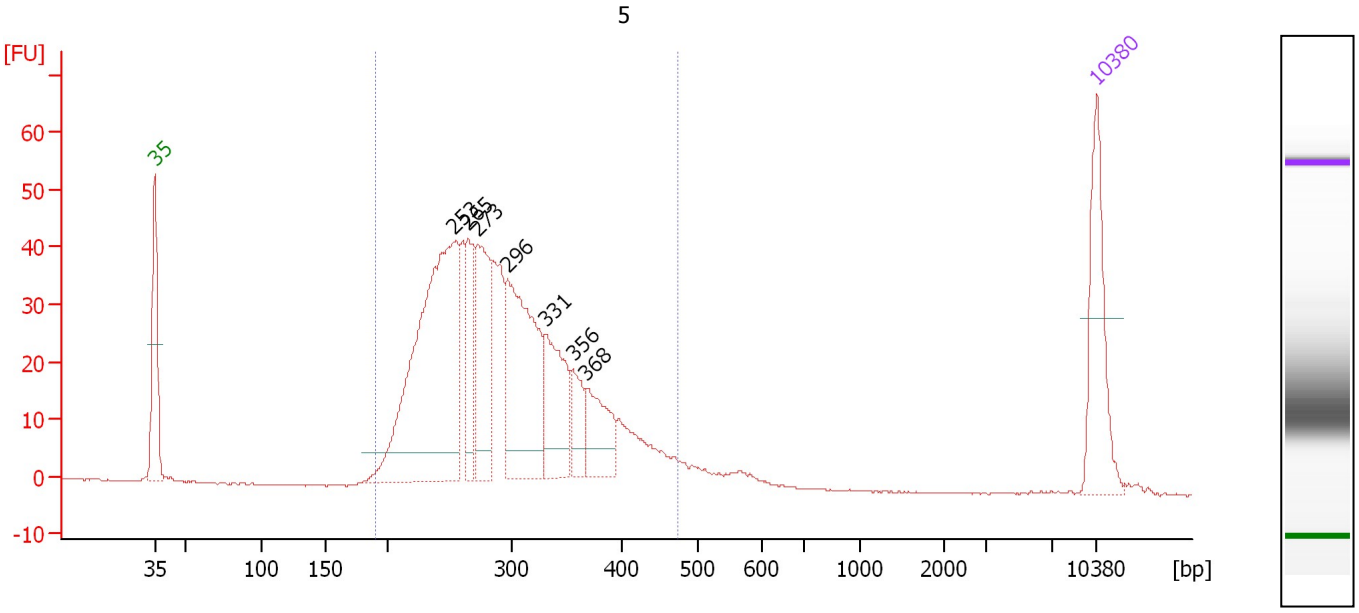
Modified: 7/28/2014 9:21:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 5

Number of peaks found:	7	Corr. Area 1:	747.5
Noise:	0.1		

Peak table for sample 10 : 5

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		253	409.56	2,455.6	
3		265	67.44	385.9	
4		273	112.91	627.2	
5		296	198.60	1,016.8	
6		331	95.04	435.3	
7		356	36.52	155.4	
8		368	59.16	243.5	
9	▶	10,380	75.00	10.9	Upper Marker

Region table for sample 10 : 5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
190	473	296	6,673.7	1,245.67	747.5	96	19.8

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...lyzer\2100 expert\data\2014-07-25\2014-07-25_003_Medici.xad

Created: 7/25/2014 3:33:11 PM
Modified: 7/28/2014 9:21:47 AM

Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...lyzer\2100 expert\data\2014-07-25\2014-07-25_003_Medici.xad

Created: 7/25/2014 3:33:11 PM
Modified: 7/28/2014 9:21:47 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		7/25/2014 4:14:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_003.xad)		Instrument	Run		7/25/2014 3:33:16 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		7/25/2014 3:33:16 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/25/2014 3:33:16 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/25/2014 3:33:16 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		7/25/2014 3:33:16 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/25/2014 3:33:16 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/25/2014 3:33:16 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1