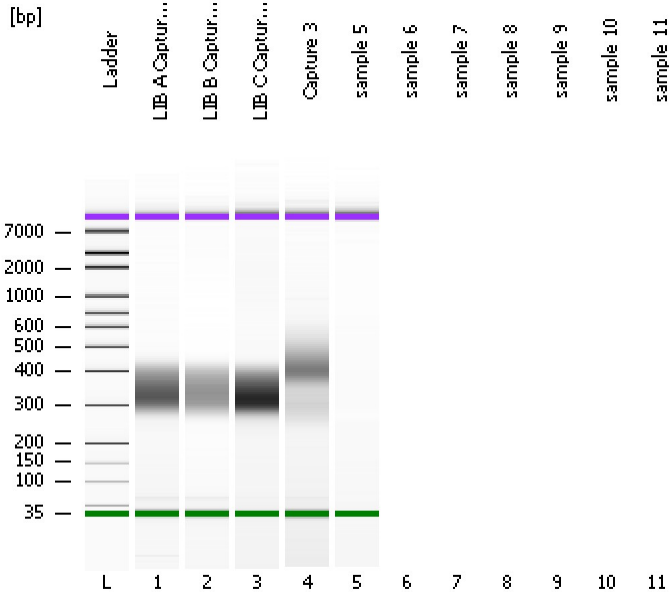


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-18\2014-07-18_003.xad

Created: 7/18/2014 2:11:28 PM
Modified: 7/18/2014 2:37:47 PM

Electrophoresis File Run Summary



Instrument Information:

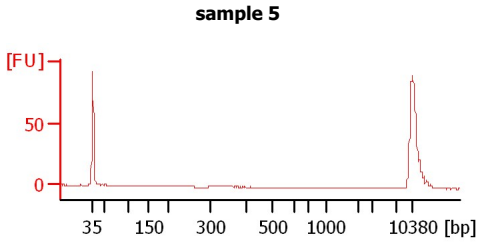
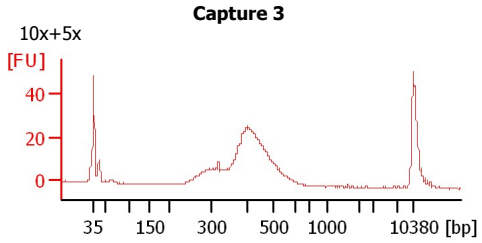
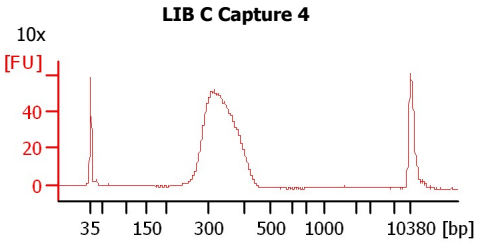
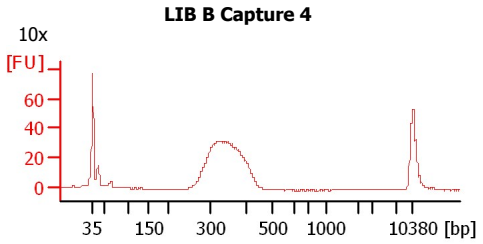
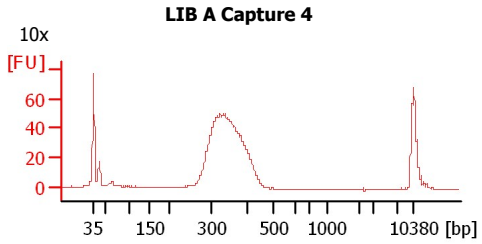
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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\2014-07-18\2014-07-18_003.xad

Created: 7/18/2014 2:11:28 PM
 Modified: 7/18/2014 2:37:47 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
LIB A Capture 4	10x	<input type="checkbox"/>	✓			
LIB B Capture 4	10x	<input type="checkbox"/>	✓			
LIB C Capture 4	10x	<input type="checkbox"/>	✓			
Capture 3	10x+5x	<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\2014-07-18\2014-07-18_003.xad

Created: 7/18/2014 2:11:28 PM
Modified: 7/18/2014 2:37:47 PM

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

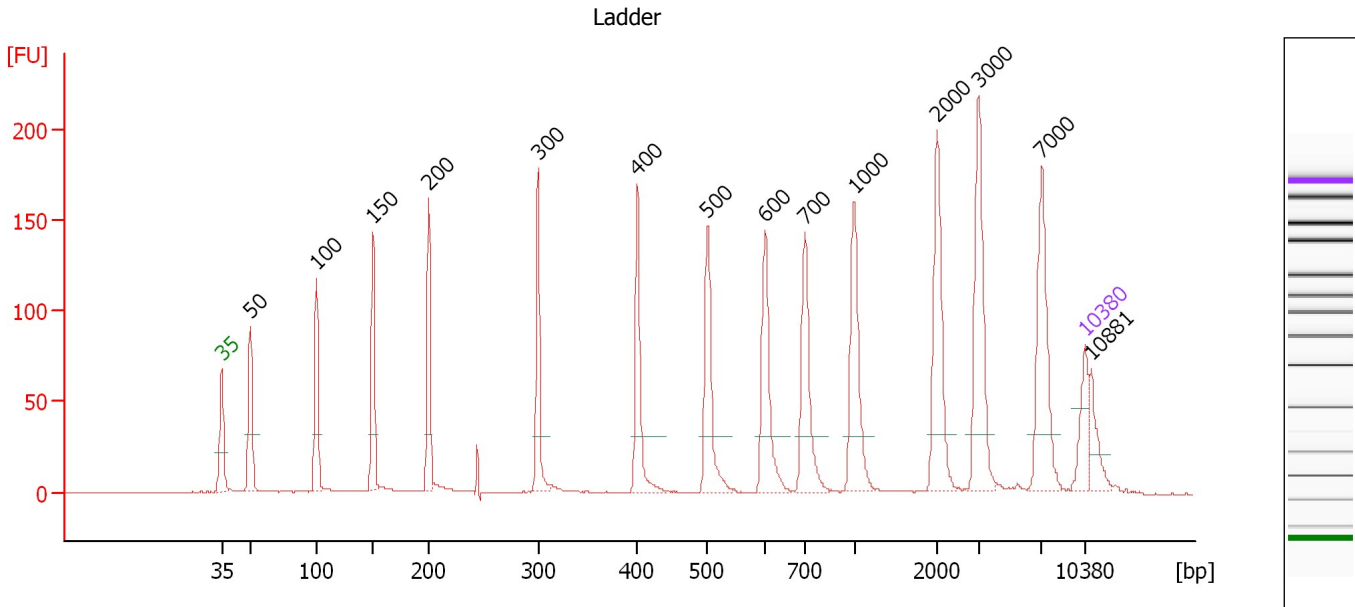
Ladder

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:\... bioanalyzer\2100 expert\Data\2014-07-18\2014-07-18_003.xad

Created: 7/18/2014 2:11:28 PM
 Modified: 7/18/2014 2:37:47 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

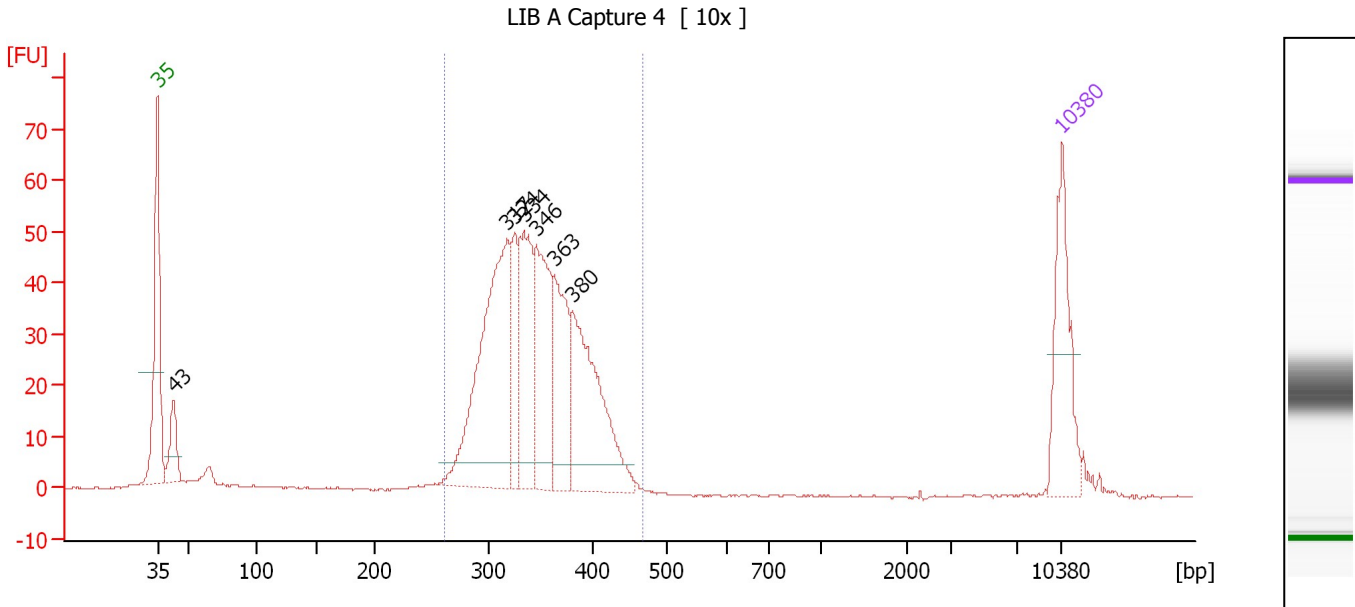
Peak table for Ladder

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
16	10,881	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-18\2014-07-18_003.xad

Created: 7/18/2014 2:11:28 PM
 Modified: 7/18/2014 2:37:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : LIB A Capture 4

Number of peaks found: 7 Corr. Area 1: 616.7
 Noise: 0.2

Peak table for sample 1 : LIB A Capture 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	43	48.46	1,712.1	
3	317	278.24	1,328.3	
4	324	60.63	283.1	
5	334	127.15	577.4	
6	346	130.36	571.6	
7	363	107.60	449.2	
8	380	175.95	701.1	
9	10,380	75.00	10.9	Upper Marker

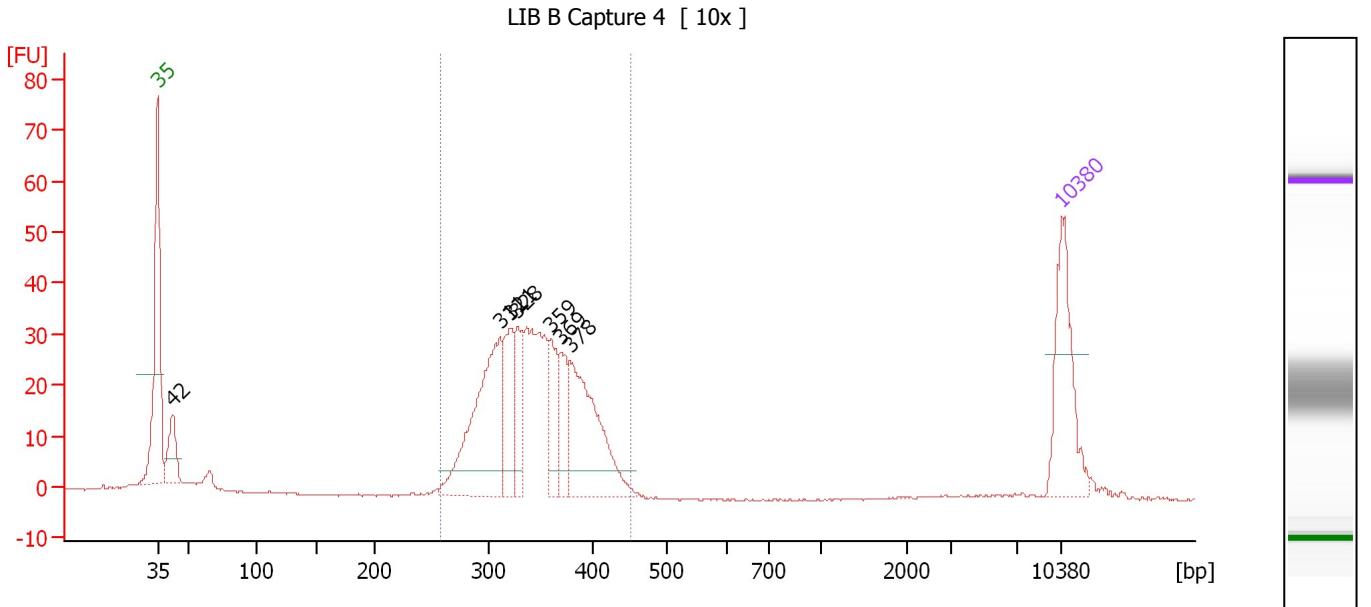
Region table for sample 1 : LIB A Capture 4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
262	468	345	4,003.8	900.49	616.7	90	11.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-18\2014-07-18_003.xad

Created: 7/18/2014 2:11:28 PM
 Modified: 7/18/2014 2:37:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : LIB B Capture 4

Number of peaks found: 7 Corr. Area 1: 411.9
 Noise: 0.2

Peak table for sample 2 : LIB B Capture 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	42	49.87	1,781.0	
3	311	183.73	895.0	
4	321	63.36	299.1	
5	328	43.39	200.7	
6	359	53.27	224.9	
7	369	43.53	178.8	
8	378	140.23	562.7	
9	10,380	75.00	10.9	Upper Marker

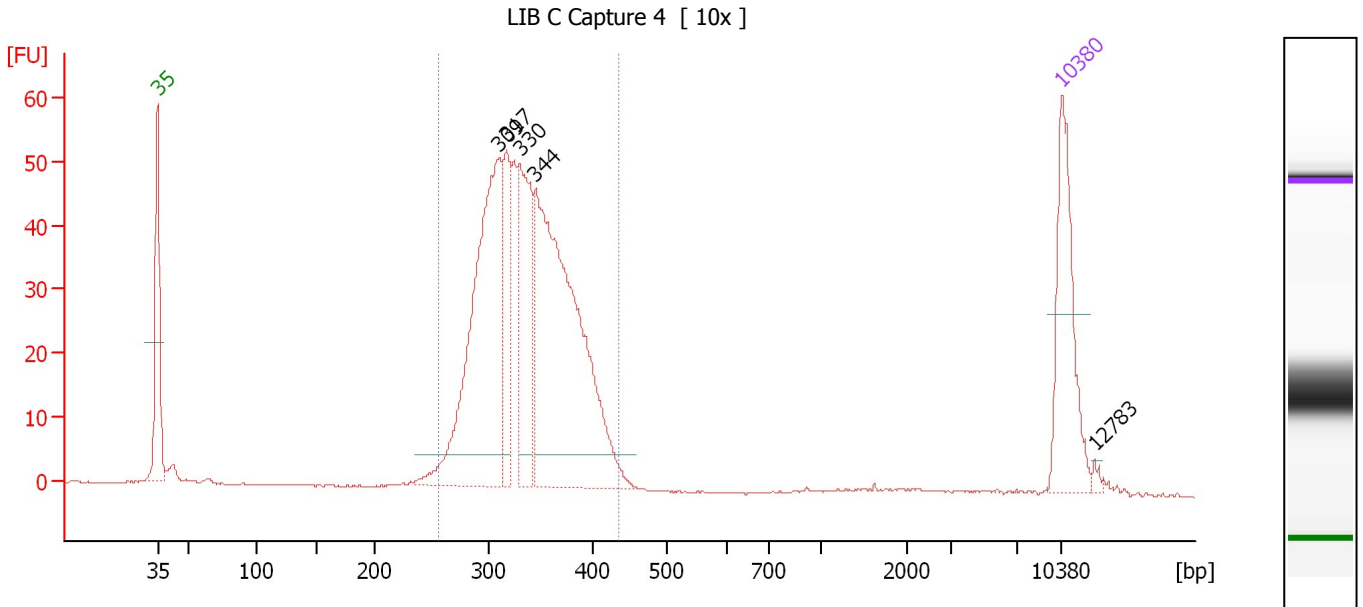
Region table for sample 2 : LIB B Capture 4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
258	451	344	2,871.0	642.77	411.9	91	11.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-18\2014-07-18_003.xad

Created: 7/18/2014 2:11:28 PM
 Modified: 7/18/2014 2:37:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : LIB C Capture 4

Number of peaks found: 5 Corr. Area 1: 616.4
 Noise: 0.1

Peak table for sample 3 : LIB C Capture 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	309	293.78	1,441.4	
3	317	65.11	311.0	
4	330	118.55	545.1	
5	344	357.04	1,574.7	
6	10,380	75.00	10.9	Upper Marker
7	12,783	0.00	0.0	

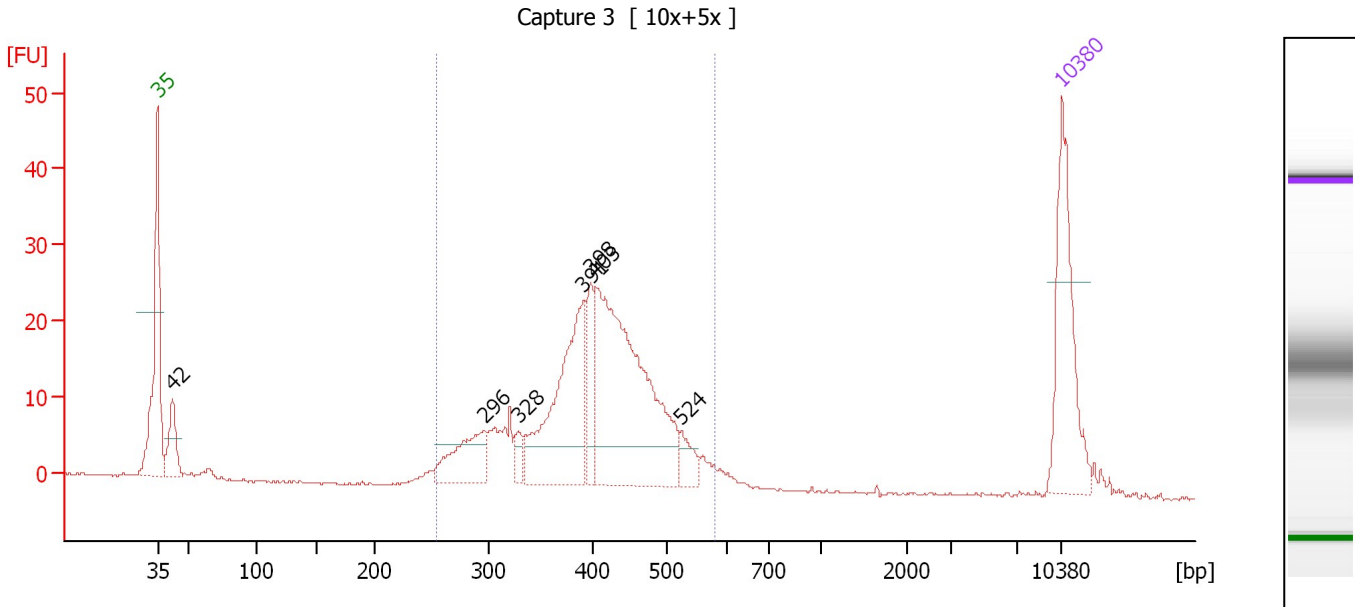
Region table for sample 3 : LIB C Capture 4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
255	436	336	4,039.8	884.19	616.4	96	11.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-18\2014-07-18_003.xad

Created: 7/18/2014 2:11:28 PM
 Modified: 7/18/2014 2:37:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Capture 3

Number of peaks found: 7 Corr. Area 1: 322.2
 Noise: 0.1

Peak table for sample 4 : Capture 3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	42	41.02	1,466.9	
3	296	52.89	270.4	
4	328	10.86	50.2	
5	391	135.27	524.4	
6	398	33.45	127.5	
7	403	237.44	892.5	
8	524	16.34	47.3	
9	10,380	75.00	10.9	Upper Marker

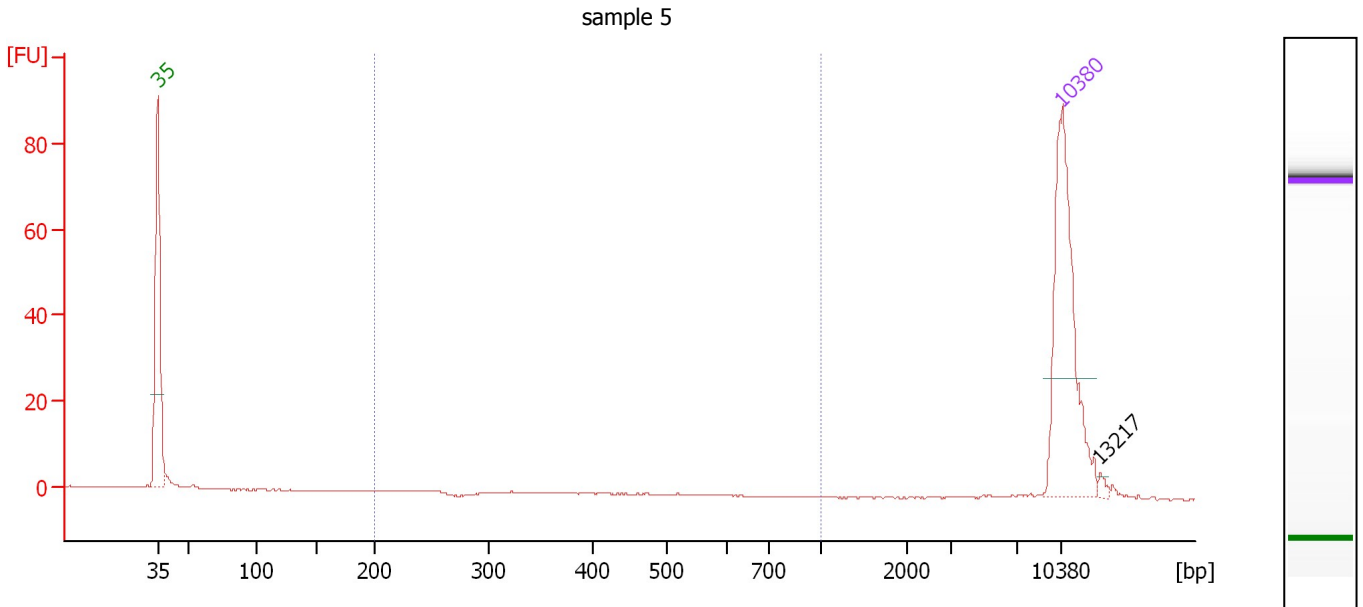
Region table for sample 4 : Capture 3

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
255	579	406	2,113.8	543.29	322.2	91	16.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-18\2014-07-18_003.xad

Created: 7/18/2014 2:11:28 PM
 Modified: 7/18/2014 2:37:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : sample 5

Number of peaks found: 1 Corr. Area 1: 0.0
 Noise: 0.1

Peak table for sample 5 : sample 5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker
3	13,217	0.00	0.0	

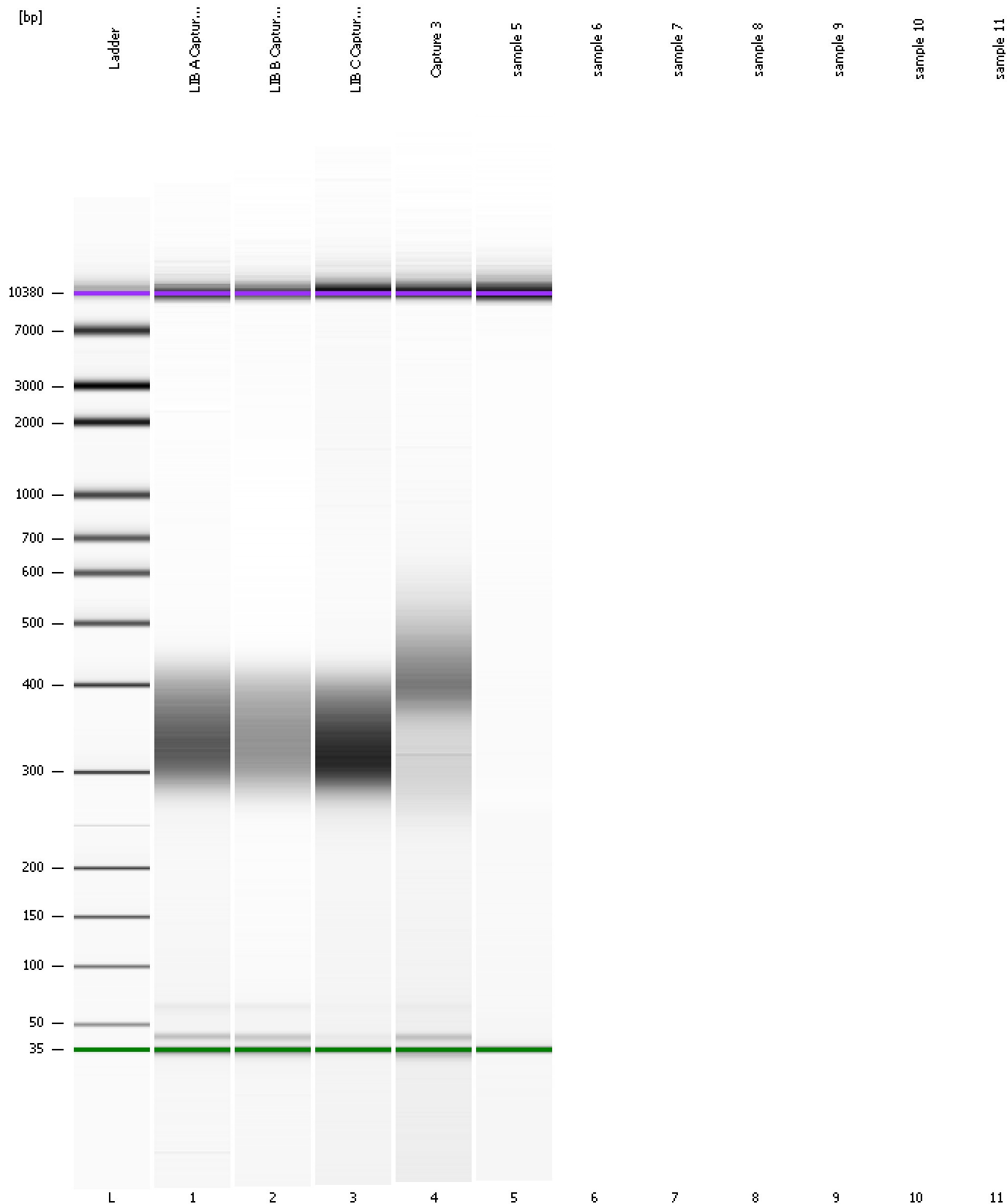
Region table for sample 5 : sample 5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,000	0	0.0	0.00	0.0	0	0.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-18\2014-07-18_003.xad

Created: 7/18/2014 2:11:28 PM
Modified: 7/18/2014 2:37:47 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-18\2014-07-18_003.xad

Created: 7/18/2014 2:11:28 PM
Modified: 7/18/2014 2:37:47 PM

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.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-18\2014-07-18_003.xad

Created: 7/18/2014 2:11:28 PM
 Modified: 7/18/2014 2:37:47 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 6)		Instrument	Run		7/18/2014 2:35:06 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\2014-07-18\2014-07-18_003.xad)		Instrument	Run		7/18/2014 2:11:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		7/18/2014 2:11:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/18/2014 2:11:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/18/2014 2:11:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		7/18/2014 2:11:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/18/2014 2:11:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/18/2014 2:11:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1