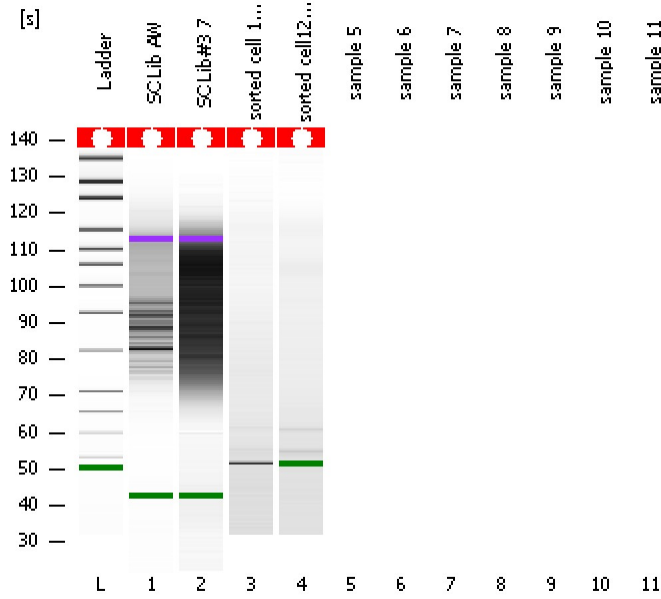


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-14\2016-07-14_002.xad

Created: 7/14/2016 4:52:48 PM
Modified: 7/14/2016 5:22:30 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

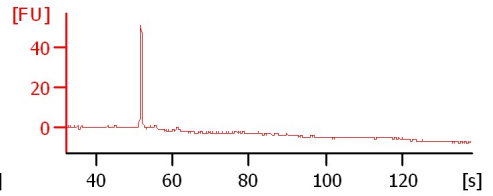
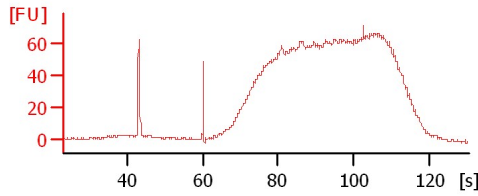
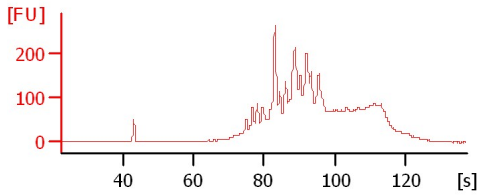
Chip Information:

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

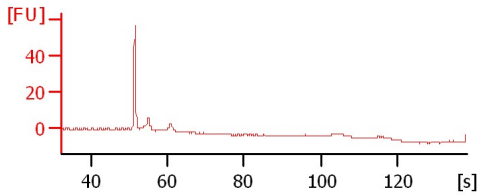
SC Lib AW

SC Lib#3 &7

sorted cell 10cyc



sorted cell12cyc



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-14\2016-07-14_002.xad

Created: 7/14/2016 4:52:48 PM
Modified: 7/14/2016 5:22:30 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
SC Lib AW		<input type="checkbox"/>				
SC Lib#3 &7		<input type="checkbox"/>				
sorted cell 10cyc		<input type="checkbox"/>				
sorted cell12cyc		<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\2016-07-14\2016-07-14_002.xad

Created: 7/14/2016 4:52:48 PM
Modified: 7/14/2016 5:22:30 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

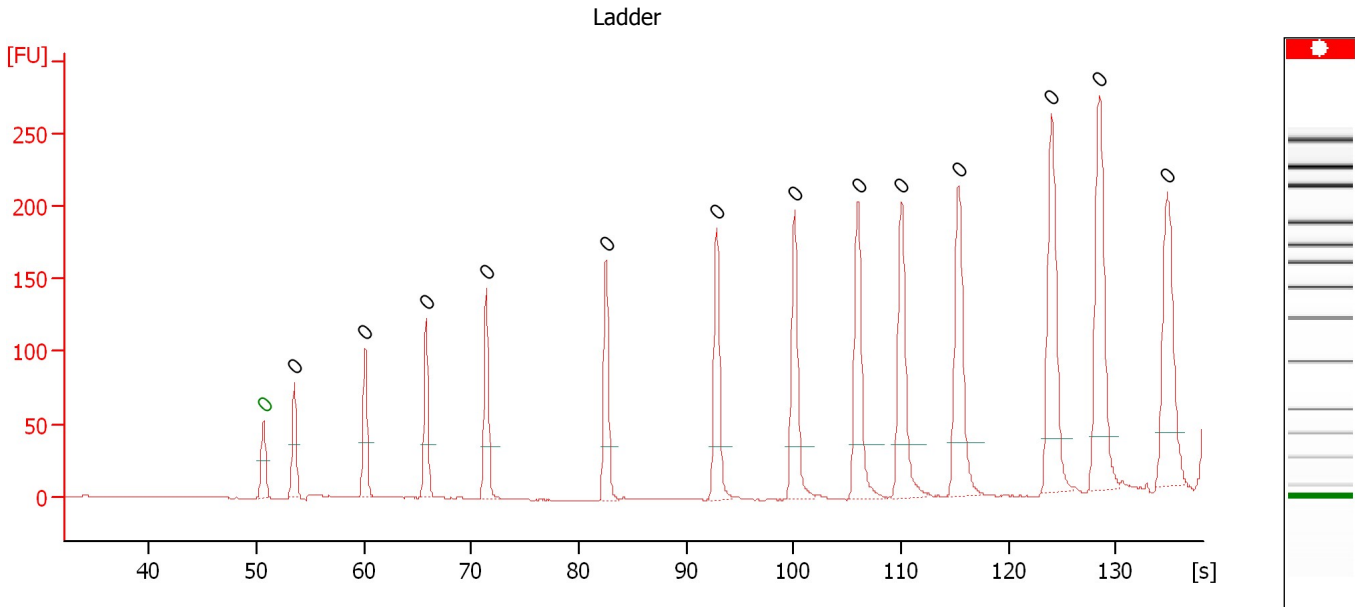
Ladder

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\2016-07-14\2016-07-14_002.xad

Created: 7/14/2016 4:52:48 PM
 Modified: 7/14/2016 5:22:30 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

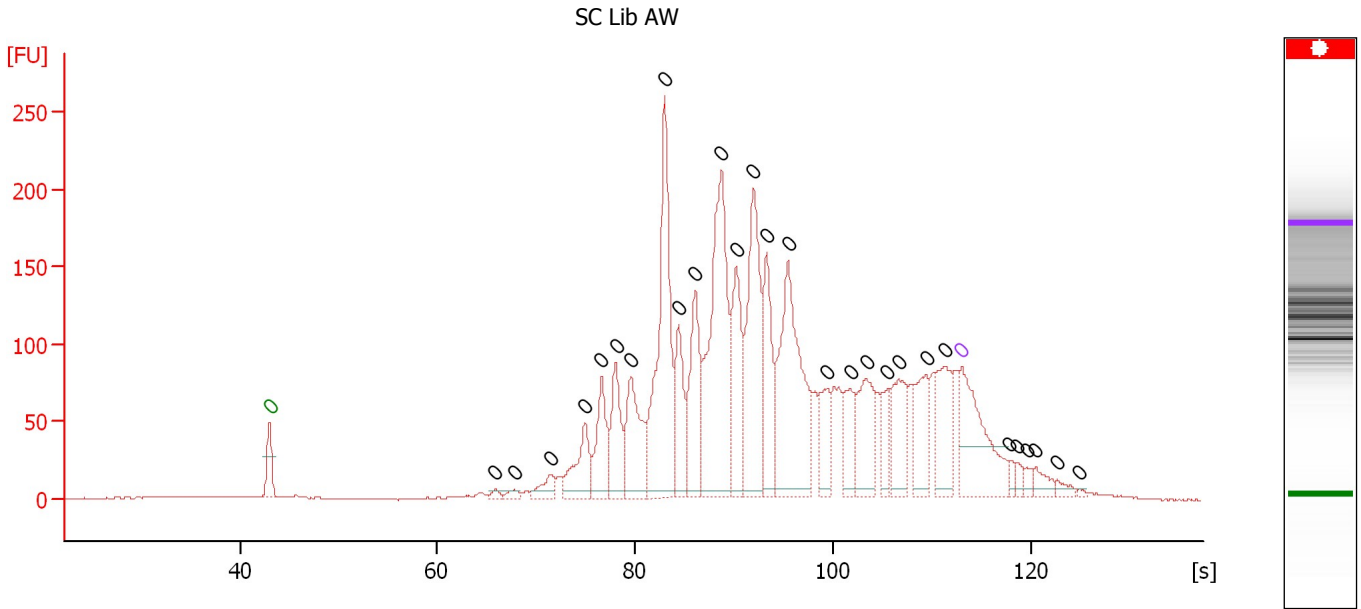
Peak table for Ladder

Peak #	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	50.65
2	0	0.00	0.0	Ladder Peak	53.50
3	0	0.00	0.0	Ladder Peak	60.10
4	0	0.00	0.0	Ladder Peak	65.80
5	0	0.00	0.0	Ladder Peak	71.40
6	0	0.00	0.0	Ladder Peak	82.55
7	0	0.00	0.0	Ladder Peak	92.85
8	0	0.00	0.0	Ladder Peak	100.10
9	0	0.00	0.0	Ladder Peak	106.00
10	0	0.00	0.0	Ladder Peak	110.05
11	0	0.00	0.0	Ladder Peak	115.35
12	0	0.00	0.0	Ladder Peak	124.00
13	0	0.00	0.0	Ladder Peak	128.50
14	0	0.00	0.0	Ladder Peak	134.75

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-14\2016-07-14_002.xad

Created: 7/14/2016 4:52:48 PM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : SC Lib AW

Number of peaks found: 28 Noise: 0.3

Peak table for sample 1 : SC Lib AW

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		65.81
3	0	0.00	0.0		67.71
4	0	0.00	0.0		71.35
5	0	0.00	0.0		74.88
6	0	0.00	0.0		76.56
7	0	0.00	0.0		78.03
8	0	0.00	0.0		79.55
9	0	0.00	0.0		82.97
10	0	0.00	0.0		84.38
11	0	0.00	0.0		86.06
12	0	0.00	0.0		88.73
13	0	0.00	0.0		90.19
14	0	0.00	0.0		91.93
15	0	0.00	0.0		93.29
16	0	0.00	0.0		95.46
17	0	0.00	0.0		99.42
18	0	0.00	0.0		101.70
19	0	0.00	0.0		103.33
20	0	0.00	0.0		105.51
21	0	0.00	0.0		106.59
22	0	0.00	0.0		109.42
23	0	0.00	0.0		111.37
24	0	0.00	0.0	Upper Marker	113.00
25	0	0.00	0.0		117.89
26	0	0.00	0.0		118.70
27	0	0.00	0.0		119.57

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-14\2016-07-14_002.xad

Created: 7/14/2016 4:52:48 PM
Modified: 7/14/2016 5:22:30 PM

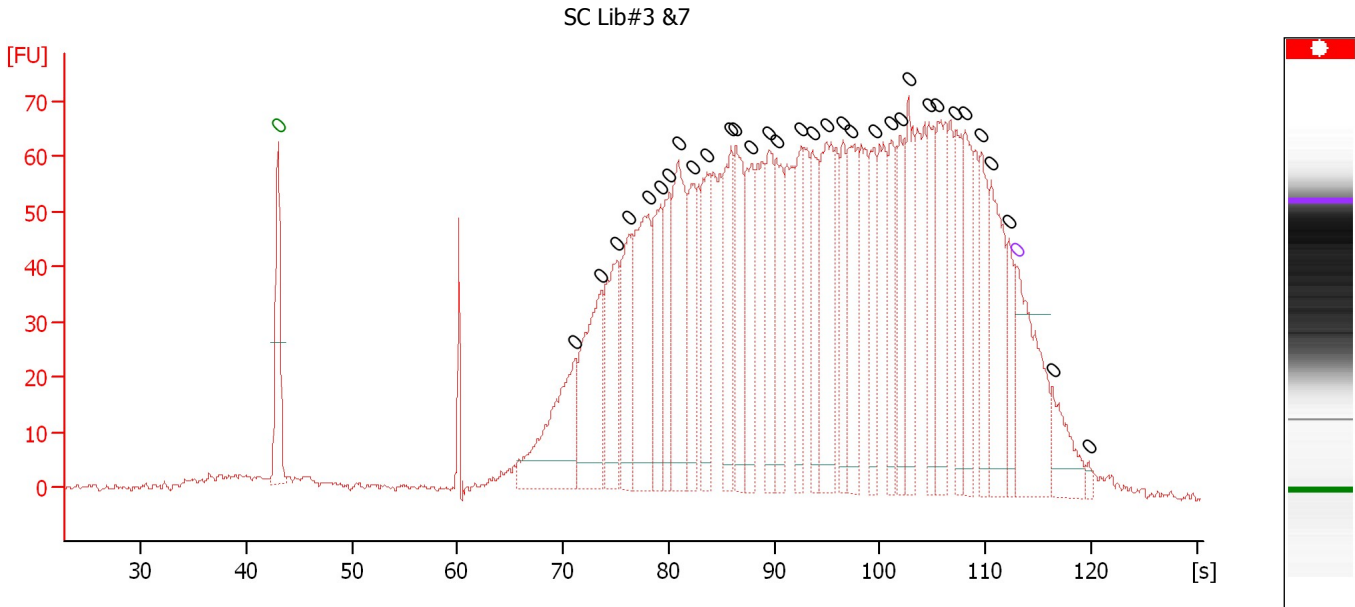
Electropherogram Summary Continued ...**... Peak table for sample 1 : SC Lib AW**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
28	0	0.00	0.0		120.49
29	0	0.00	0.0		122.61
30	0	0.00	0.0		124.89

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-14\2016-07-14_002.xad

Created: 7/14/2016 4:52:48 PM
 Modified: 7/14/2016 5:22:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : SC Lib#3 &7

Number of peaks found: 33 Noise: 0.6

Peak table for sample 2 : SC Lib#3 &7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		71.13
3	0	0.00	0.0		73.57
4	0	0.00	0.0		75.10
5	0	0.00	0.0		76.27
6	0	0.00	0.0		78.05
7	0	0.00	0.0		79.22
8	0	0.00	0.0		80.03
9	0	0.00	0.0		80.95
10	0	0.00	0.0		82.22
11	0	0.00	0.0		83.65
12	0	0.00	0.0		85.94
13	0	0.00	0.0		86.34
14	0	0.00	0.0		87.87
15	0	0.00	0.0		89.55
16	0	0.00	0.0		90.21
17	0	0.00	0.0		92.55
18	0	0.00	0.0		93.62
19	0	0.00	0.0		94.94
20	0	0.00	0.0		96.52
21	0	0.00	0.0		97.23
22	0	0.00	0.0		99.47
23	0	0.00	0.0		101.15
24	0	0.00	0.0		101.96
25	0	0.00	0.0		102.72
26	0	0.00	0.0		104.66
27	0	0.00	0.0		105.47

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-14\2016-07-14_002.xad

Created: 7/14/2016 4:52:48 PM
Modified: 7/14/2016 5:22:30 PM

Electropherogram Summary Continued ...

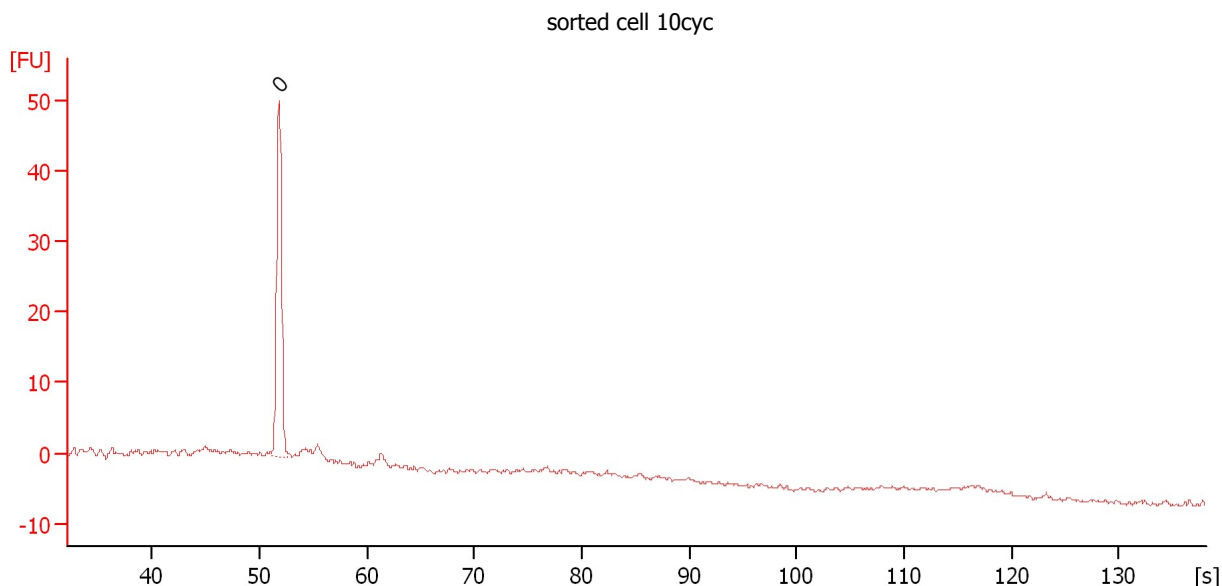
... Peak table for sample 2 : SC Lib#3 &7

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
28	0	0.00	0.0		107.15
29	0	0.00	0.0		108.12
30	0	0.00	0.0		109.59
31	0	0.00	0.0		110.56
32	0	0.00	0.0		112.24
33	0	0.00	0.0	Upper Marker	113.00
34	0	0.00	0.0		116.36
35	0	0.00	0.0		119.77

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-14\2016-07-14_002.xad

Created: 7/14/2016 4:52:48 PM
 Modified: 7/14/2016 5:22:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : sorted cell 10cyc

Number of peaks found: 0 Noise: 0.3

Peak table for sample 3 : sorted cell 10cyc

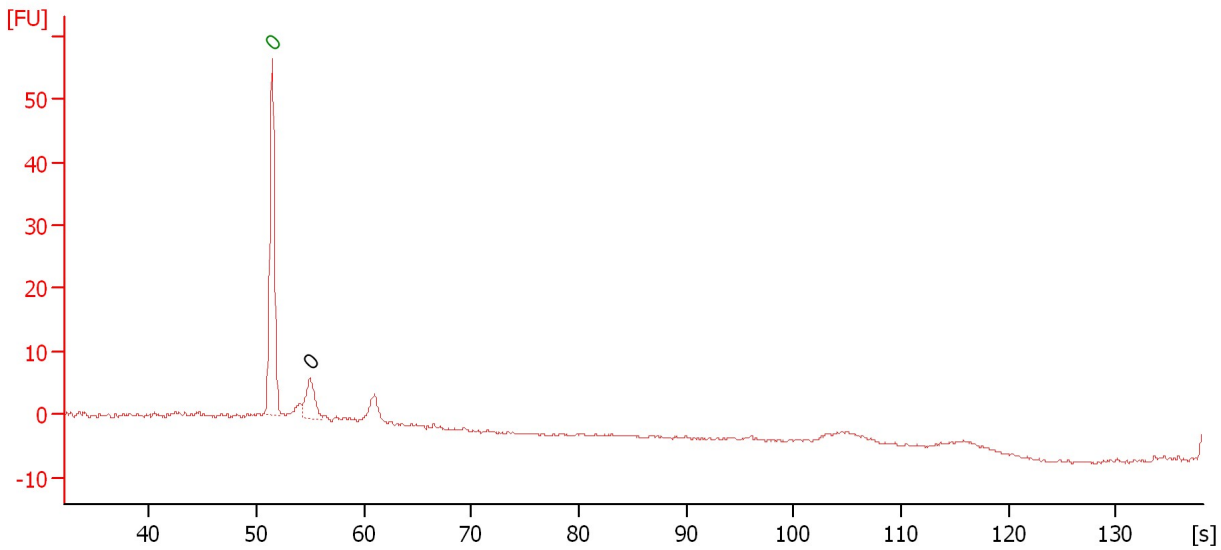
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		51.80

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-14\2016-07-14_002.xad

Created: 7/14/2016 4:52:48 PM
Modified: 7/14/2016 5:22:30 PM

Electropherogram Summary Continued ...

sorted cell12cyc



Overall Results for sample 4 : sorted cell12cyc

Number of peaks found: 1 Noise: 0.2

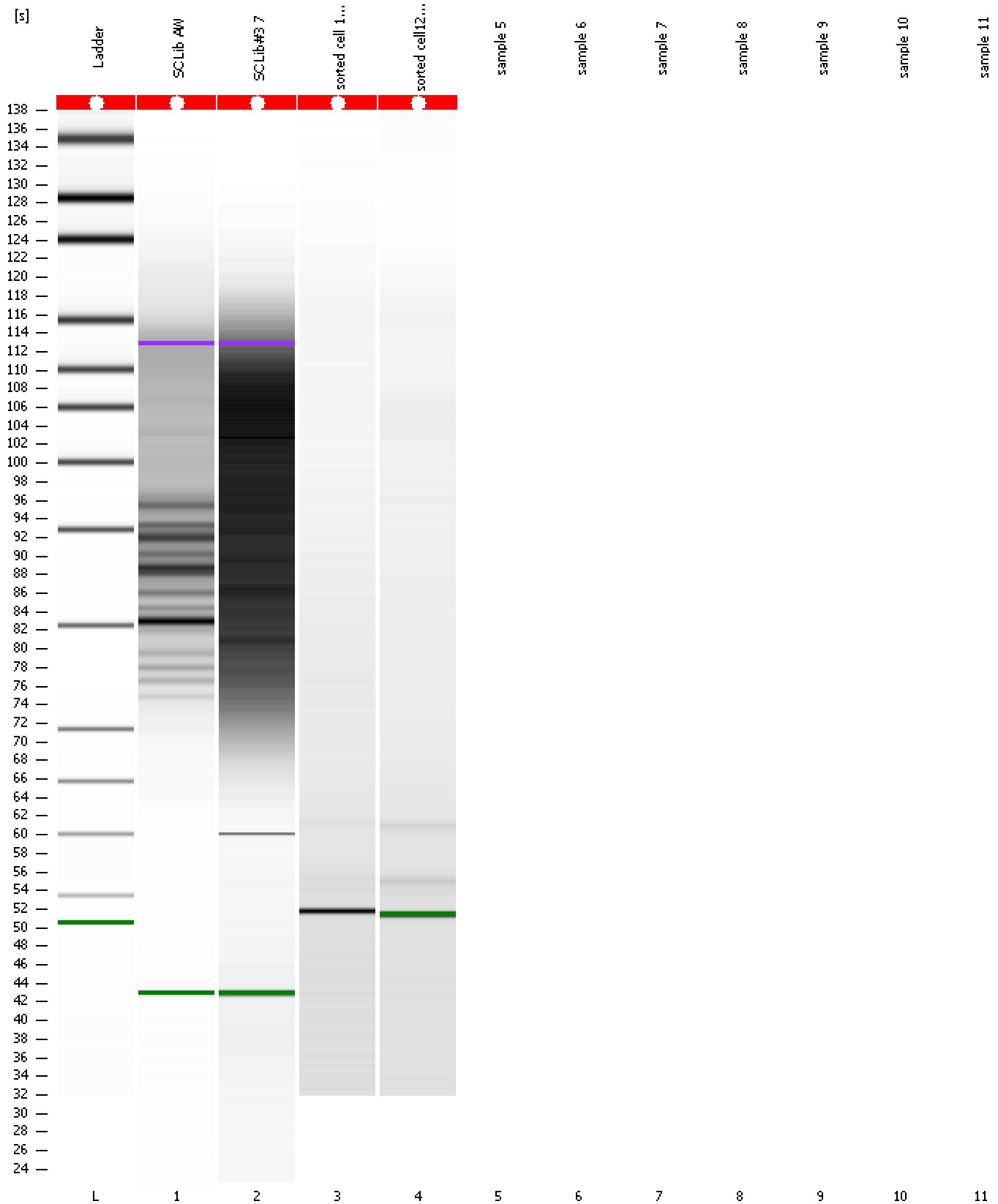
Peak table for sample 4 : sorted cell12cyc

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	51.45
2	0	0.00	0.0		55.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-14\2016-07-14_002.xad

Created: 7/14/2016 4:52:48 PM
Modified: 7/14/2016 5:22:30 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-14\2016-07-14_002.xad

Created: 7/14/2016 4:52:48 PM
 Modified: 7/14/2016 5:22:30 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 5)		Instrument	Run		7/14/2016 5:14:07 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\2016-07-14\2016-07-14_002.xad)		Instrument	Run		7/14/2016 4:52:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		7/14/2016 4:52:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/14/2016 4:52:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/14/2016 4:52:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		7/14/2016 4:52:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/14/2016 4:52:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/14/2016 4:52:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1