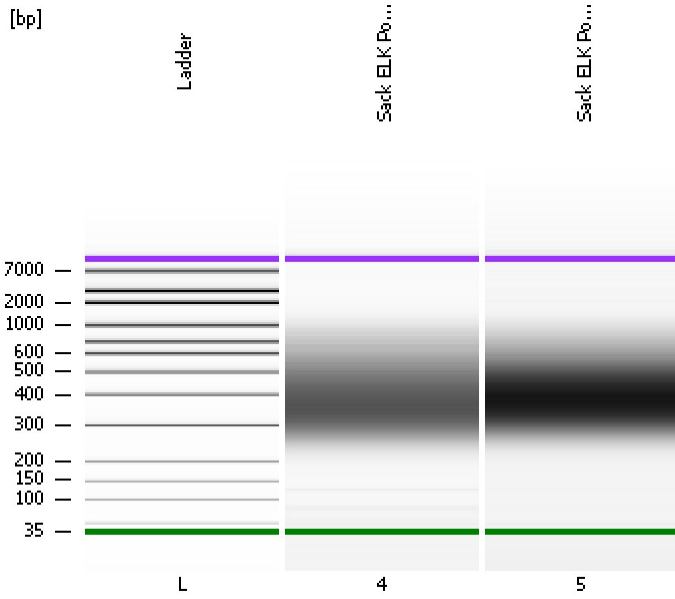


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\2016-10-14\2016-10-14_001_SacksELKPool2B_SacksELKPool2.xad

Created: 10/14/2016 9:52:16 AM
Modified: 10/14/2016 10:30:52 AM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

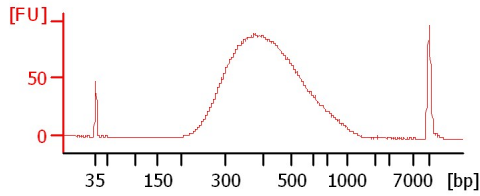
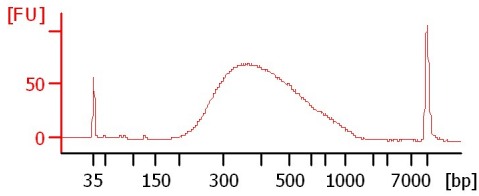
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

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

Sack ELK Pool 2B

Sack ELK Pool 2 (yellow tape)



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\2016-10-14\2016-10-14_001_SacksELKPool2B_SacksELKPool2.xad

Created: 10/14/2016 9:52:16 AM
 Modified: 10/14/2016 10:30:52 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Sack ELK Pool 2B		<input type="checkbox"/>	✓			
Sack ELK Pool 2 (yellow tape)		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\2016-10-14\2016-10-14_001_SacksELKPool2B_SacksELKPool2.xad

Created: 10/14/2016 9:52:16 AM
Modified: 10/14/2016 10:30:52 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

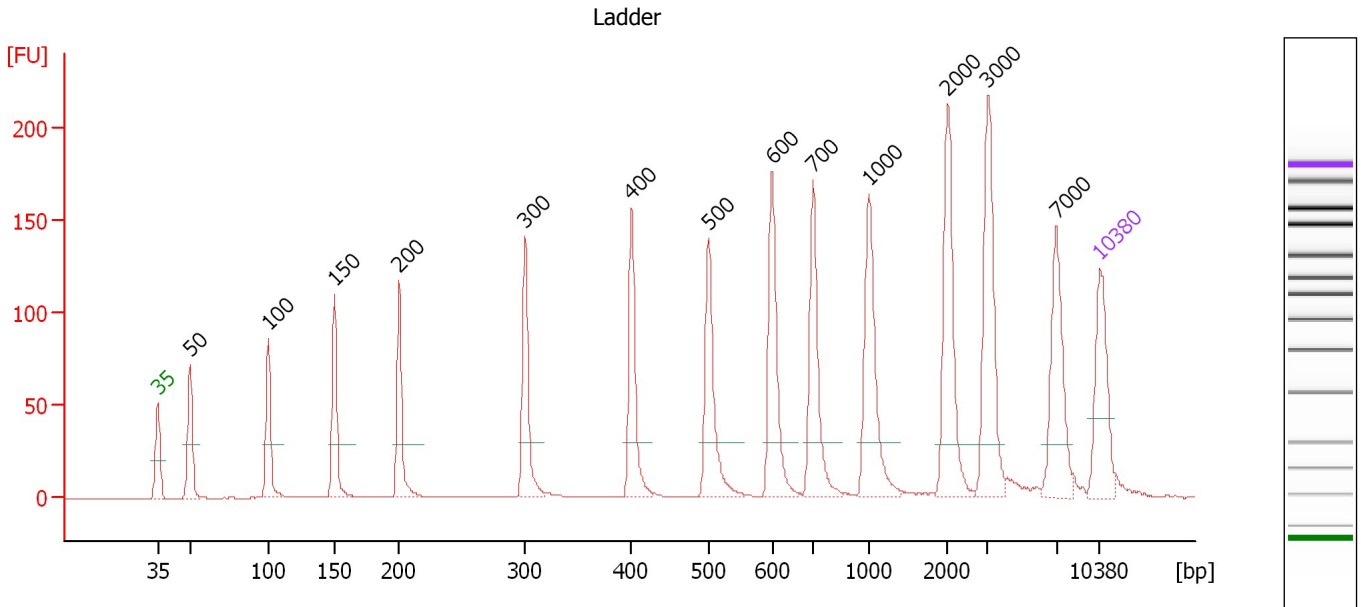
Ladder

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:\...\2016-10-14\2016-10-14_001_SacksELKPool2B_SacksELKPool2.xad

Created: 10/14/2016 9:52:16 AM
 Modified: 10/14/2016 10:30:52 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

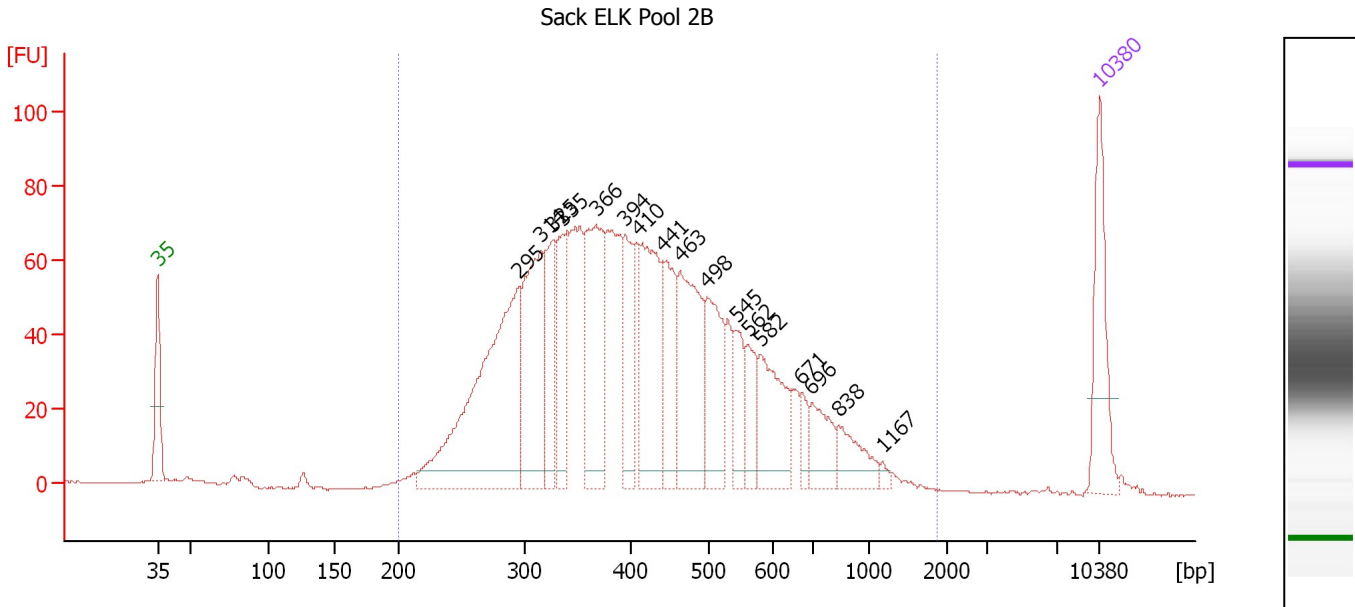
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.39
3	100	150.00	2,272.7	Ladder Peak	51.26
4	150	150.00	1,515.2	Ladder Peak	56.14
5	200	150.00	1,136.4	Ladder Peak	60.98
6	300	150.00	757.6	Ladder Peak	70.31
7	400	150.00	568.2	Ladder Peak	78.22
8	500	150.00	454.5	Ladder Peak	83.94
9	600	150.00	378.8	Ladder Peak	88.67
10	700	150.00	324.7	Ladder Peak	91.70
11	1,000	150.00	227.3	Ladder Peak	95.85
12	2,000	150.00	113.6	Ladder Peak	101.67
13	3,000	150.00	75.8	Ladder Peak	104.65
14	7,000	150.00	32.5	Ladder Peak	109.78
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\2016-10-14\2016-10-14_001_SacksELKPool2B_SacksELKPool2.xad

Created: 10/14/2016 9:52:16 AM
 Modified: 10/14/2016 10:30:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sack ELK Pool 2B

Number of peaks found: 17 Corr. Area 1: 1,898.0
 Noise: 0.2

Peak table for sample 4 : Sack ELK Pool 2B

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	295	381.90	1,960.0		69.86
3	314	193.98	935.1		71.44
4	325	82.59	384.8		72.30
5	335	89.76	406.1		73.07
6	366	172.12	711.8		75.56
7	394	93.19	358.4		77.75
8	410	164.18	606.2		78.81
9	441	92.72	318.8		80.54
10	463	159.60	522.4		81.82
11	498	100.34	305.5		83.80
12	545	46.41	128.9		86.09
13	562	43.52	117.4		86.85
14	582	93.58	243.6		87.82
15	671	19.41	43.8		90.82
16	696	48.72	106.0		91.58
17	838	42.02	75.9		93.62
18	1,167	5.23	6.8		96.82
19	10,380	75.00	10.9	Upper Marker	113.00

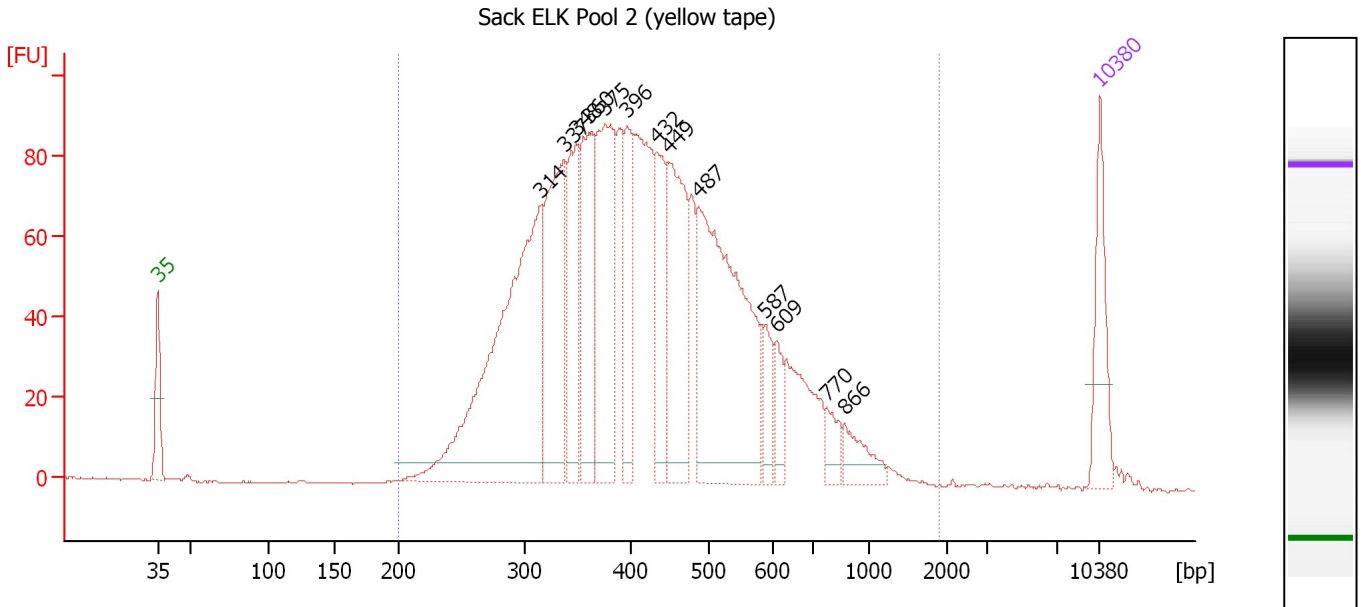
Region table for sample 4 : Sack ELK Pool 2B

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,878	442	1,898.0	9,126.5	2,287.34	98	39.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\2016-10-14\2016-10-14_001_SacksELKPool2B_SacksELKPool2.xad

Created: 10/14/2016 9:52:16 AM
 Modified: 10/14/2016 10:30:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sack ELK Pool 2 (yellow tape)

Number of peaks found: 13 Corr. Area 1: 2,189.9
 Noise: 0.2

Peak table for sample 5 : Sack ELK Pool 2 (yellow tape)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	314	620.65	2,994.1		71.42
3	337	268.01	1,206.0		73.21
4	348	160.37	697.5		74.13
5	360	189.92	799.3		75.06
6	375	268.71	1,086.0		76.23
7	396	119.44	457.5		77.87
8	432	137.50	482.8		80.02
9	449	219.02	738.3		81.05
10	487	460.67	1,433.0		83.20
11	587	47.61	122.9		88.06
12	609	38.71	96.4		88.93
13	770	29.12	57.3		92.67
14	866	43.62	76.3		94.00
15	10,380	75.00	10.9	Upper Marker	113.00

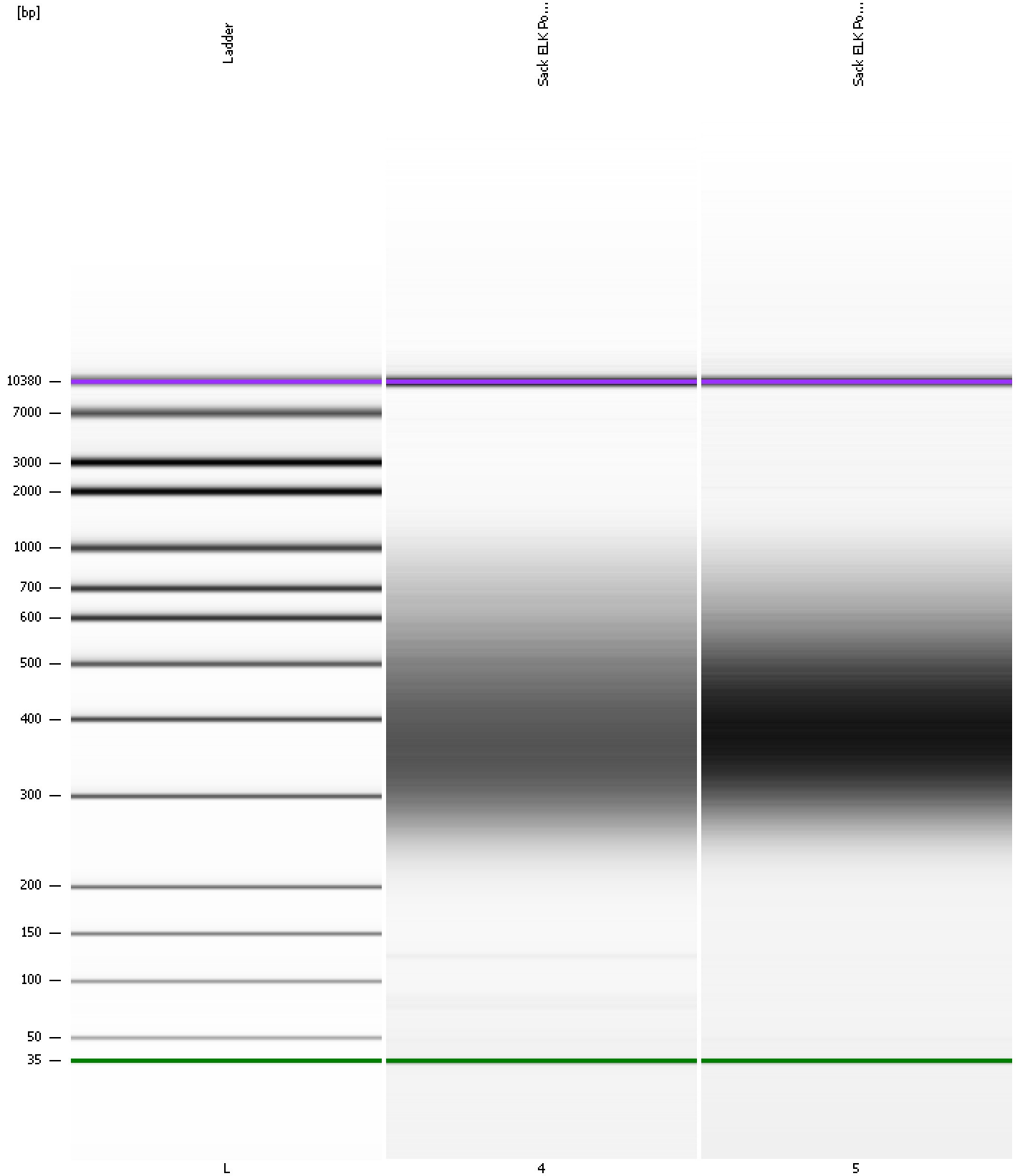
Region table for sample 5 : Sack ELK Pool 2 (yellow tape)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,884	444	2,189.9	12,802.2	3,292.22	98	37.5

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\2016-10-14\2016-10-14_001_SacksELKPool2B_SacksELKPool2.xad

Created: 10/14/2016 9:52:16 AM
Modified: 10/14/2016 10:30:52 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\2016-10-14\2016-10-14_001_SacksELKPool2B_SacksELKPool2.xad

Created: 10/14/2016 9:52:16 AM
 Modified: 10/14/2016 10:30:52 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 10)		Instrument	Run		10/14/2016 10:27:52 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_001.xad)		Instrument	Run		10/14/2016 9:52:21 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		10/14/2016 9:52:21 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/14/2016 9:52:21 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/14/2016 9:52:21 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		10/14/2016 9:52:21 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/14/2016 9:52:21 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/14/2016 9:52:21 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1