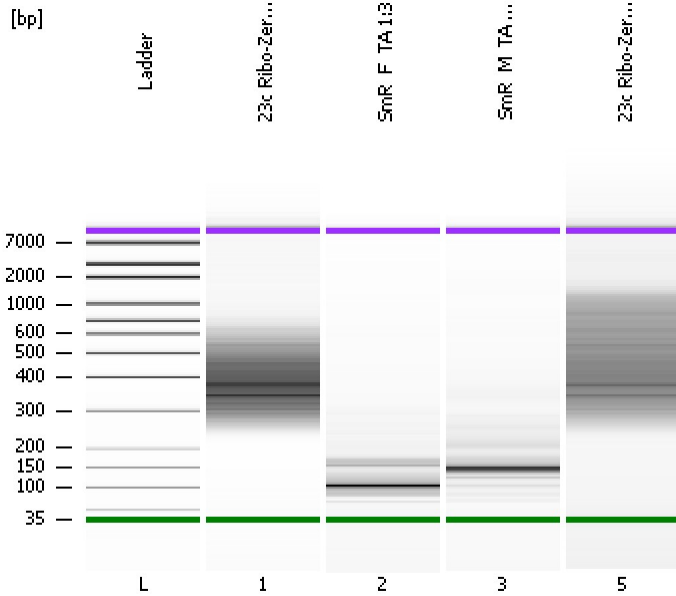


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...tings\Bioanalyzer\2014-01-16\2014-01-16_005_SmR_23c_Lib.xad

Created: 1/16/2014 5:54:50 PM
Modified: 1/16/2014 6:34:39 PM

Electrophoresis File Run Summary



Instrument Information:

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

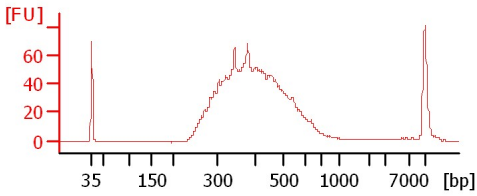
Assay Information:

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

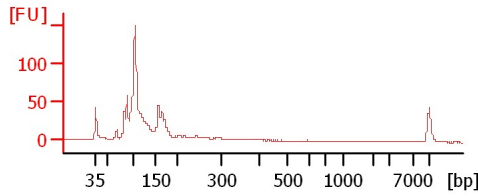
Chip Information:

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

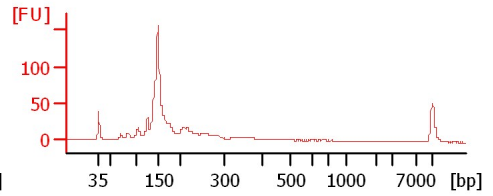
23c Ribo-Zero Lib 1:12
AMPure Size Selection



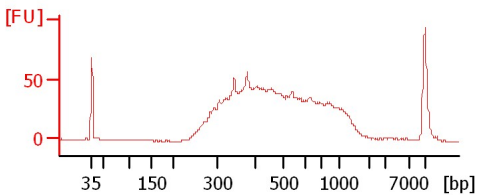
SmR_F_TA 1:3



SmR_M_TA 1:5



23c Ribo-Zero Lib 1:27



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...tings\Bioanalyzer\2014-01-16\2014-01-16_005_SmR_23c_Lib.xad

Created: 1/16/2014 5:54:50 PM
 Modified: 1/16/2014 6:34:39 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
23c Ribo-Zero Lib 1:12	AMPure Size Selection	<input type="checkbox"/>				
SmR_F_TA 1:3		<input type="checkbox"/>				
SmR_M_TA 1:5		<input type="checkbox"/>				
23c Ribo-Zero Lib 1:27		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...tings\Bioanalyzer\2014-01-16\2014-01-16_005_SmR_23c_Lib.xad

Created: 1/16/2014 5:54:50 PM
 Modified: 1/16/2014 6:34:39 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

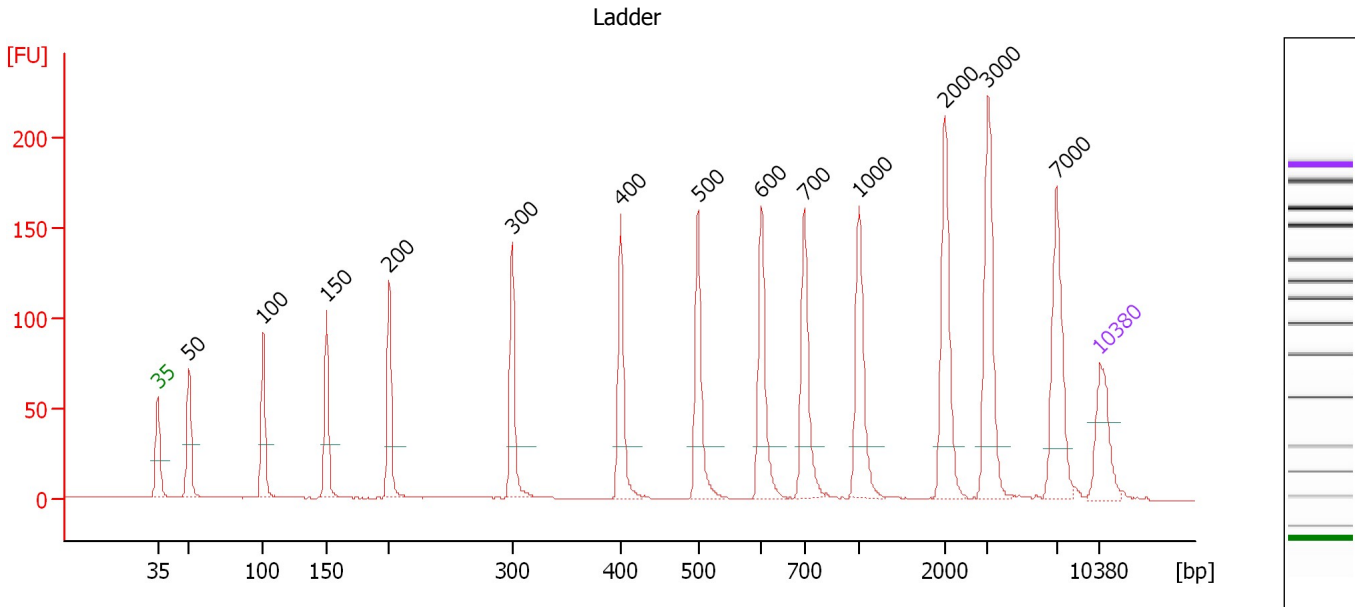
Ladder

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:\...tings\Bioanalyzer\2014-01-16\2014-01-16_005_SmR_23c_Lib.xad

Created: 1/16/2014 5:54:50 PM
 Modified: 1/16/2014 6:34:39 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

Peak table for Ladder

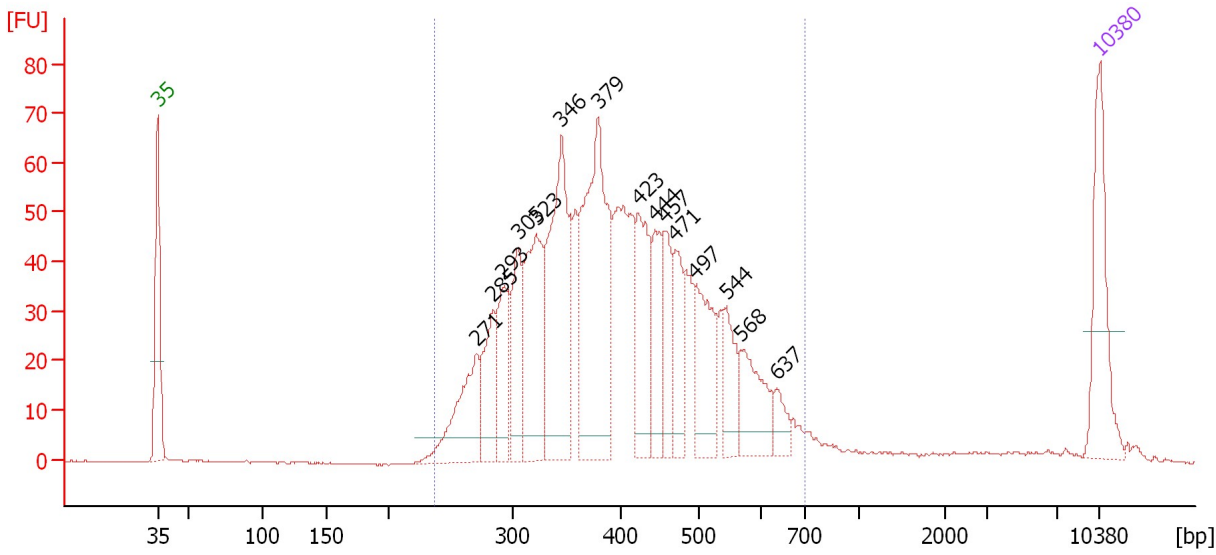
Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.35	50	150.00	4,545.5	Ladder Peak
3	50.83	100	150.00	2,272.7	Ladder Peak
4	55.57	150	150.00	1,515.2	Ladder Peak
5	60.21	200	150.00	1,136.4	Ladder Peak
6	69.33	300	150.00	757.6	Ladder Peak
7	77.38	400	150.00	568.2	Ladder Peak
8	83.13	500	150.00	454.5	Ladder Peak
9	87.87	600	150.00	378.8	Ladder Peak
10	91.05	700	150.00	324.7	Ladder Peak
11	95.12	1,000	150.00	227.3	Ladder Peak
12	101.50	2,000	150.00	113.6	Ladder Peak
13	104.68	3,000	150.00	75.8	Ladder Peak
14	109.77	7,000	150.00	32.5	Ladder Peak
15	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...tings\Bioanalyzer\2014-01-16\2014-01-16_005_SmR_23c_Lib.xad

Created: 1/16/2014 5:54:50 PM
 Modified: 1/16/2014 6:34:39 PM

Electropherogram Summary Continued ...

23c Ribo-Zero Lib 1:12 [AMPure Size Selection]



Overall Results for sample 1 : 23c Ribo-Zero Lib 1:12

Number of peaks found: 15 Corr. Area 1: 1,263.7
 Noise: 0.2

Peak table for sample 1 : 23c Ribo-Zero Lib 1:12

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	66.70	271	100.26	560.1	
3	67.95	285	69.64	370.4	
4	68.70	293	75.66	391.1	
5	69.77	305	78.01	387.0	
6	71.14	323	142.90	671.3	
7	73.01	346	214.67	940.9	
8	75.71	379	258.13	1,031.1	
9	78.69	423	98.99	354.8	
10	79.93	444	58.91	200.9	
11	80.64	457	60.54	200.9	
12	81.44	471	63.21	203.5	
13	82.95	497	86.22	263.0	
14	85.21	544	47.25	131.6	
15	86.37	568	63.18	168.4	
16	89.03	637	19.21	45.7	
17	113.00	10,380	75.00	10.9	Upper Marker

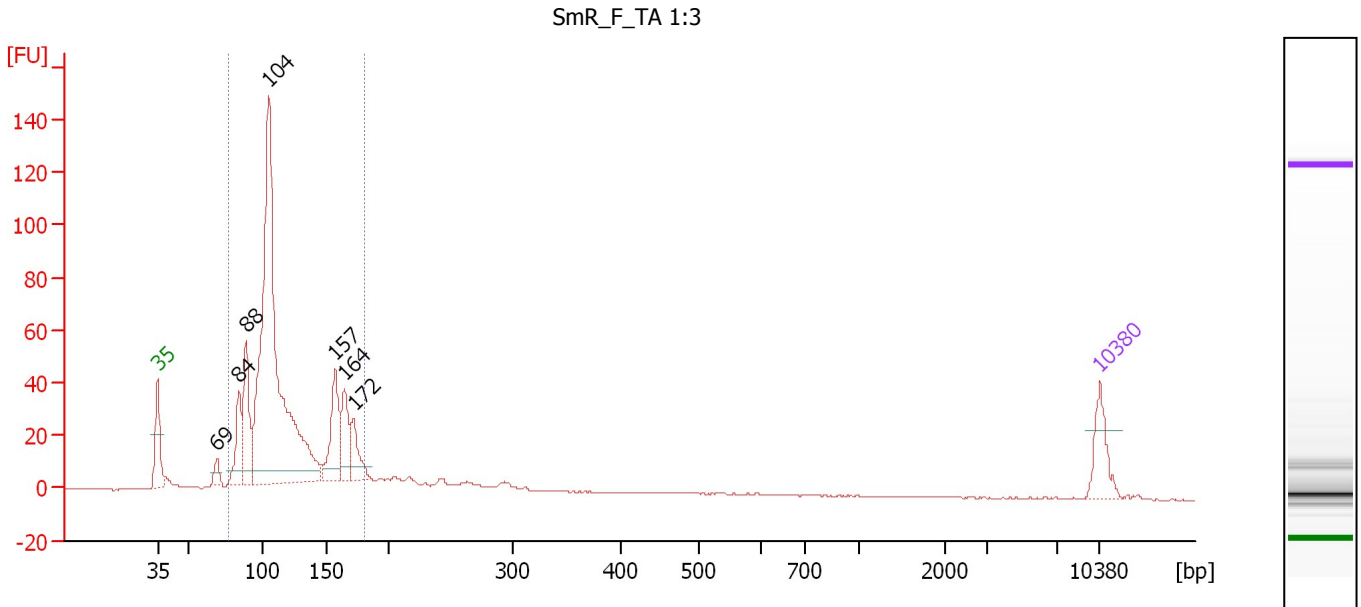
Region table for sample 1 : 23c Ribo-Zero Lib 1:12

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
237	699	407	7,038.1	1,753.59	1,263.7	95	23.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...tings\Bioanalyzer\2014-01-16\2014-01-16_005_SmR_23c_Lib.xad

Created: 1/16/2014 5:54:50 PM
 Modified: 1/16/2014 6:34:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : SmR_F_TA 1:3

Number of peaks found: 7 Corr. Area 1: 684.1
 Noise: 0.2

Peak table for sample 2 : SmR_F_TA 1:3

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	47.41	69	39.08	860.4	
3	49.06	84	143.38	2,590.8	
4	49.55	88	213.14	3,656.6	
5	51.24	104	1,562.15	22,683.6	
6	56.19	157	200.53	1,939.0	
7	56.90	164	130.78	1,205.5	
8	57.57	172	105.20	929.1	
9	113.00	10,380	75.00	10.9	Upper Marker

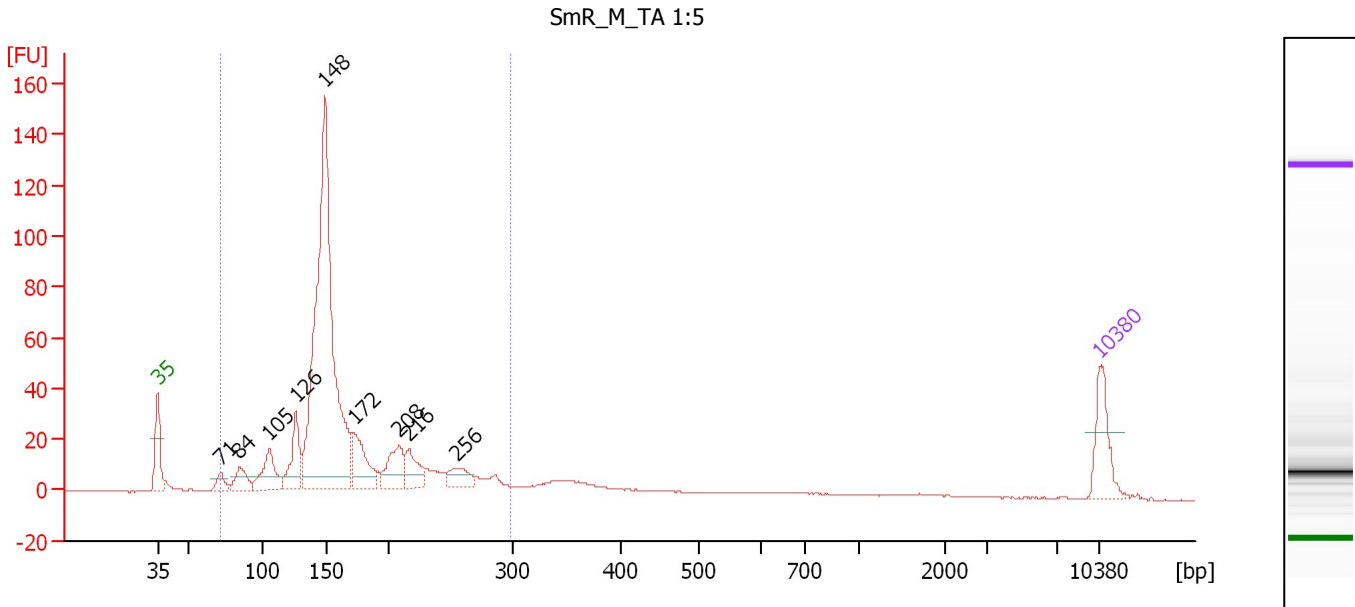
Region table for sample 2 : SmR_F_TA 1:3

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
76	181	119	34,475.8	2,568.22	684.1	84	22.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...tings\Bioanalyzer\2014-01-16\2014-01-16_005_SmR_23c_Lib.xad

Created: 1/16/2014 5:54:50 PM
 Modified: 1/16/2014 6:34:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : SmR_M_TA 1:5

Number of peaks found: 9 Corr. Area 1: 741.0
 Noise: 0.2

Peak table for sample 3 : SmR_M_TA 1:5

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	47.66	71	31.62	674.0	
3	49.07	84	58.48	1,055.1	
4	51.31	105	105.63	1,523.4	
5	53.27	126	113.75	1,370.1	
6	55.42	148	1,140.73	11,642.4	
7	57.57	172	127.39	1,125.3	
8	60.95	208	94.20	686.1	
9	61.68	216	69.21	485.3	
10	65.28	256	50.59	299.8	
11	113.00	10,380	75.00	10.9	Upper Marker

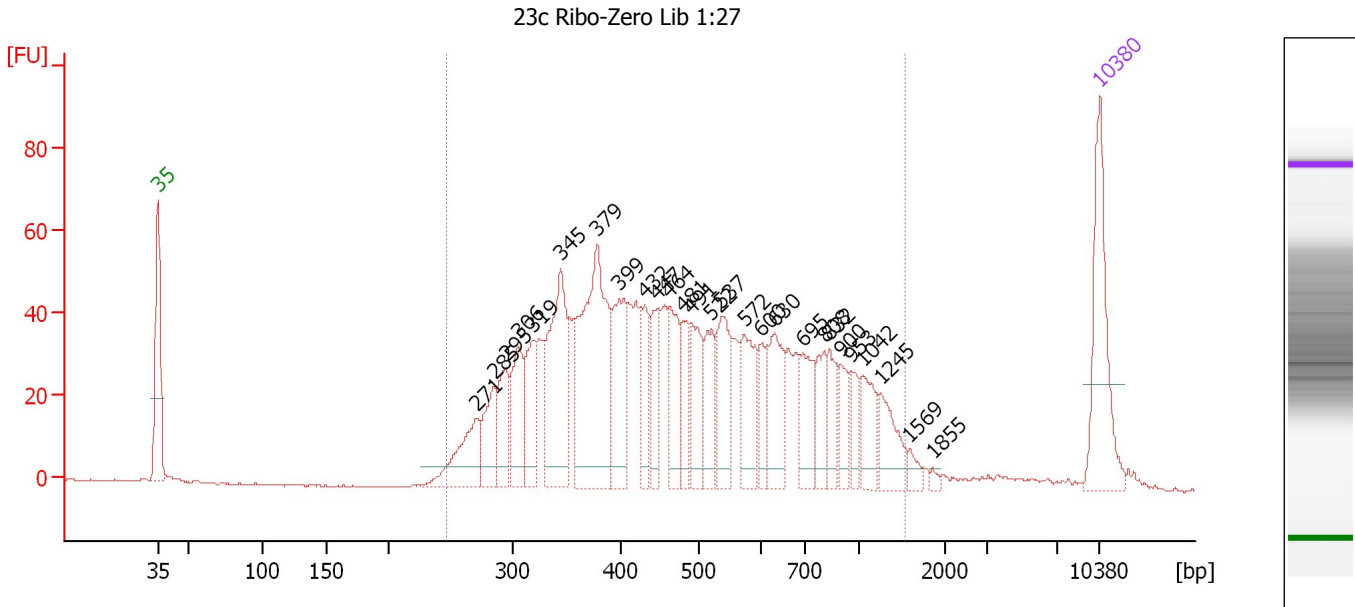
Region table for sample 3 : SmR_M_TA 1:5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
71	299	166	20,360.9	2,032.23	741.0	88	27.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...tings\Bioanalyzer\2014-01-16\2014-01-16_005_SmR_23c_Lib.xad

Created: 1/16/2014 5:54:50 PM
 Modified: 1/16/2014 6:34:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 23c Ribo-Zero Lib 1:27

Number of peaks found: 27 Corr. Area 1: 1,434.6
 Noise: 0.2

Peak table for sample 5 : 23c Ribo-Zero Lib 1:27

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	66.65	271	62.56	350.2	
3	68.00	285	44.62	236.9	
4	68.86	295	48.14	247.4	
5	69.77	306	57.17	283.5	
6	70.88	319	51.57	244.8	
7	72.94	345	128.99	566.8	
8	75.67	379	197.88	791.5	
9	77.30	399	75.34	286.0	
10	79.22	432	38.29	134.3	
11	80.09	447	40.46	137.1	
12	81.05	464	53.20	173.8	
13	82.05	481	34.40	108.3	
14	82.63	491	50.18	154.8	
15	84.17	522	42.31	122.8	
16	84.88	537	58.00	163.6	
17	86.56	572	51.78	137.0	
18	87.86	600	25.17	63.6	
19	88.82	630	55.59	133.7	
20	90.88	695	43.08	94.0	
21	92.51	808	29.00	54.4	
22	92.85	832	28.20	51.3	
23	93.76	900	22.13	37.3	
24	94.48	953	20.50	32.6	
25	95.39	1,042	32.68	47.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...tings\Bioanalyzer\2014-01-16\2014-01-16_005_SmR_23c_Lib.xad


Created: 1/16/2014 5:54:50 PM
 Modified: 1/16/2014 6:34:39 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : 23c Ribo-Zero Lib 1:27

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	96.69	1,245	33.53	40.8	
27	98.75	1,569	7.76	7.5	
28	100.57	1,855	2.99	2.4	
29	▶ 113.00	10,380	75.00	10.9	Upper Marker

Region table for sample 5 : 23c Ribo-Zero Lib 1:27

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
247	1,540	538	5,554.1	1,593.20	1,434.6	95	46.1	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...tings\Bioanalyzer\2014-01-16\2014-01-16_005_SmR_23c_Lib.xad

Created: 1/16/2014 5:54:50 PM
Modified: 1/16/2014 6:34:39 PM

Gel Image

