

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-01\2017-06-01_001.xad

Created: 6/1/2017 12:52:36 PM
Modified: 6/1/2017 1:22:28 PM

Electrophoresis File Run Summary

Instrument Information:

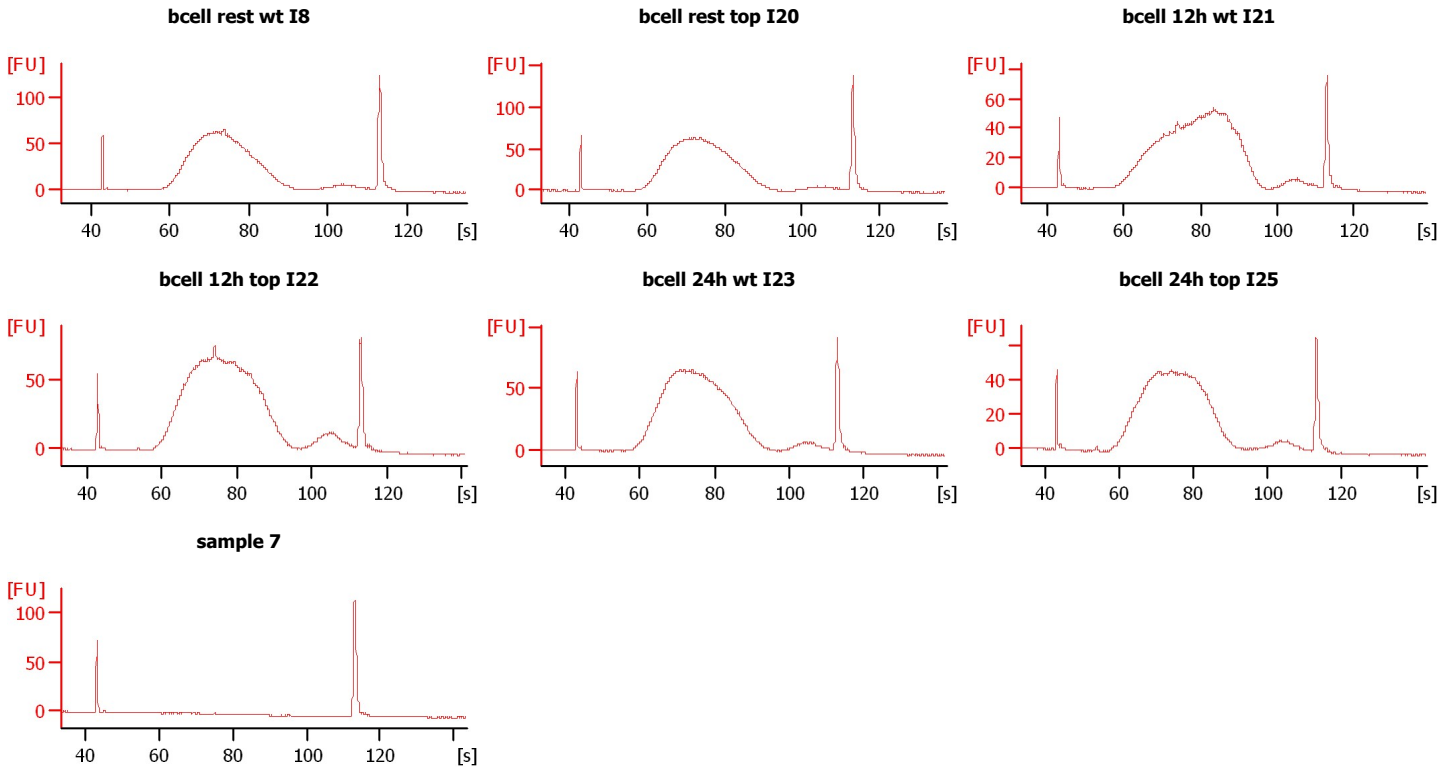
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
bcell rest wt I8		<input type="checkbox"/>				
bcell rest top I20		<input type="checkbox"/>				
bcell 12h wt I21		<input type="checkbox"/>				
bcell 12h top I22		<input type="checkbox"/>				
bcell 24h wt I23		<input type="checkbox"/>				
bcell 24h top I25		<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 #

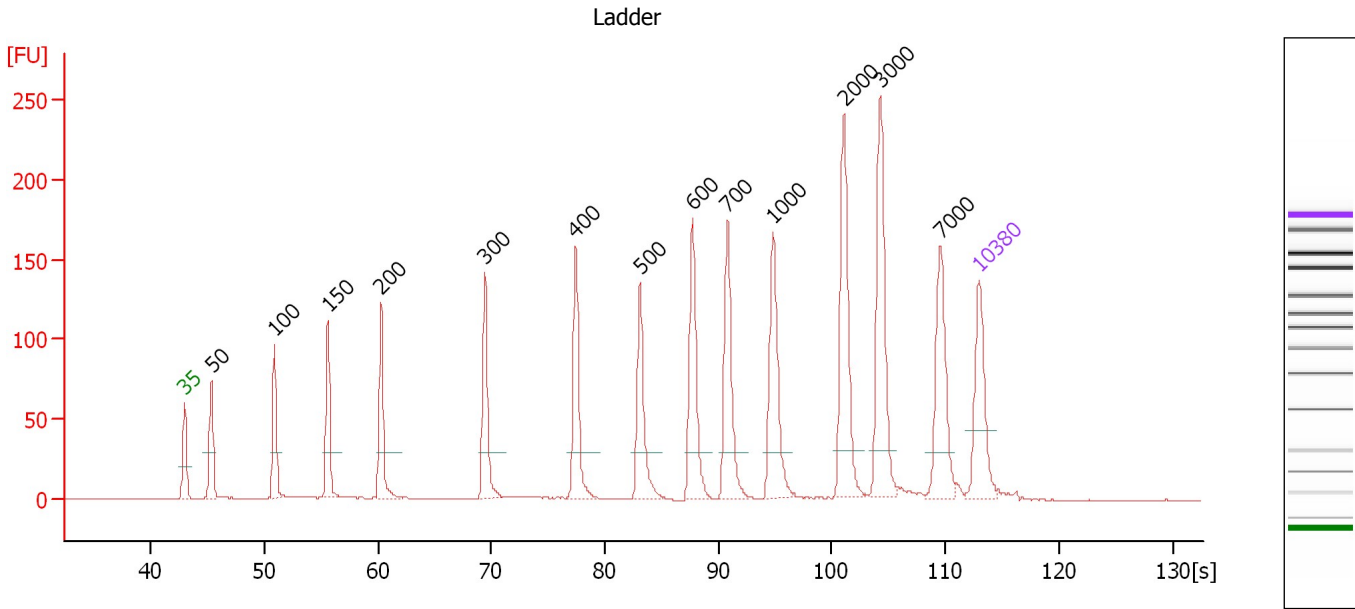
Reagent Kit Lot #

Chip Comments :

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

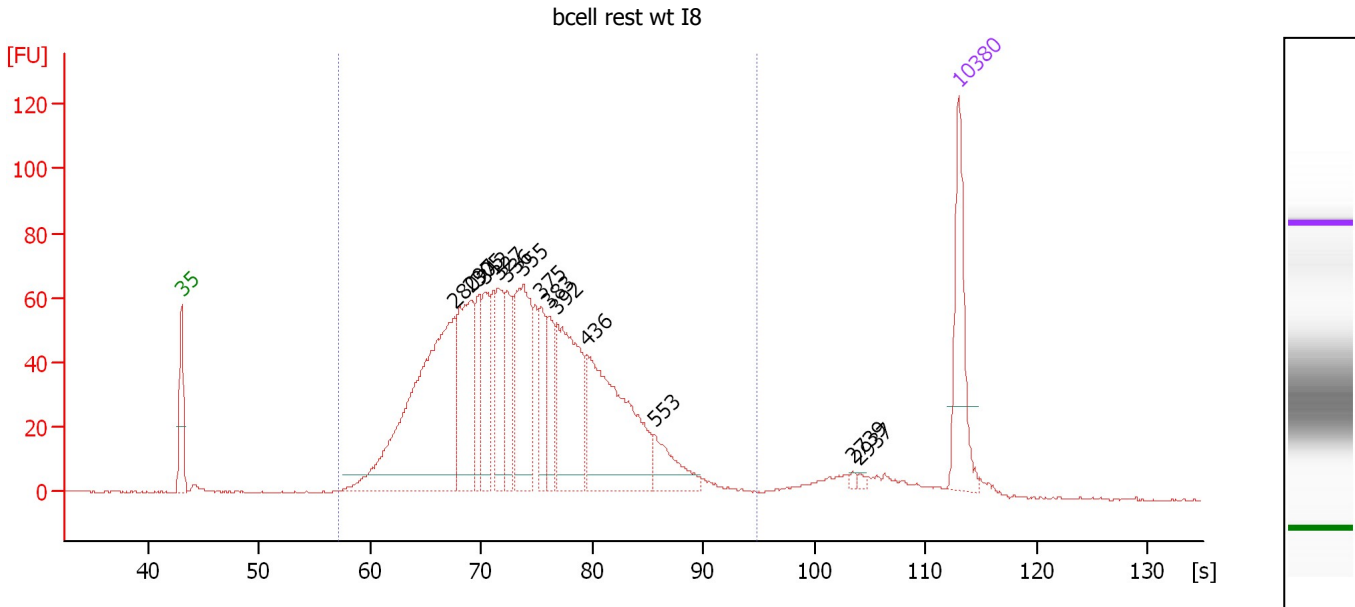
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.36
3	100	150.00	2,272.7	Ladder Peak	50.90
4	150	150.00	1,515.2	Ladder Peak	55.63
5	200	150.00	1,136.4	Ladder Peak	60.31
6	300	150.00	757.6	Ladder Peak	69.44
7	400	150.00	568.2	Ladder Peak	77.43
8	500	150.00	454.5	Ladder Peak	83.11
9	600	150.00	378.8	Ladder Peak	87.74
10	700	150.00	324.7	Ladder Peak	90.82
11	1,000	150.00	227.3	Ladder Peak	94.84
12	2,000	150.00	113.6	Ladder Peak	101.08
13	3,000	150.00	75.8	Ladder Peak	104.25
14	7,000	150.00	32.5	Ladder Peak	109.55
15	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...



Overall Results for sample 1 : bcell rest wt I8

Number of peaks found: 14 Corr. Area 1: 1,638.5
 Noise: 0.2

Peak table for sample 1 : bcell rest wt I8

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	280	421.66	2,285.2		67.57
3	297	155.40	794.0		69.12
4	305	60.75	302.3		69.80
5	312	75.16	365.3		70.38
6	327	78.40	363.4		71.59
7	336	70.91	319.8		72.32
8	355	152.99	653.4		73.82
9	375	55.56	224.7		75.41
10	383	55.34	218.8		76.09
11	392	160.21	618.8		76.81
12	436	226.04	785.5		79.48
13	553	48.81	133.7		85.57
14	2,739	2.57	1.4		103.42
15	2,937	2.41	1.2		104.05
16	10,380	75.00	10.9	Upper Marker	113.00

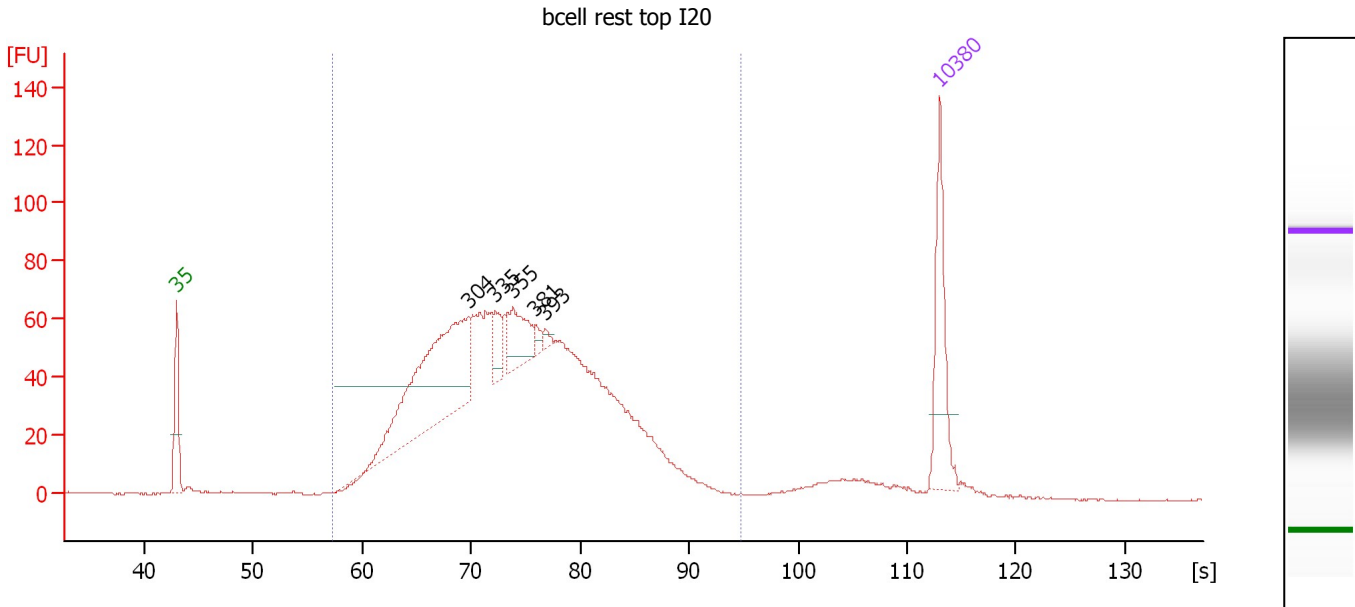
Region table for sample 1 : bcell rest wt I8

From [s]	To [s]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
57.17	94.84	364	1,638.5	8,037.1	1,741.87	95	28.5

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Electropherogram Summary Continued ...



Overall Results for sample 2 : bcell rest top I20

Number of peaks found: 5 Corr. Area 1: 1,747.9
 Noise: 0.2

Peak table for sample 2 : bcell rest top I20

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	304	290.15	1,446.7		69.75
3	335	29.82	134.7		72.26
4	355	55.26	235.8		73.84
5	381	8.66	34.4		75.91
6	393	6.06	23.4		76.84
7	10,380	75.00	10.9	Upper Marker	113.00

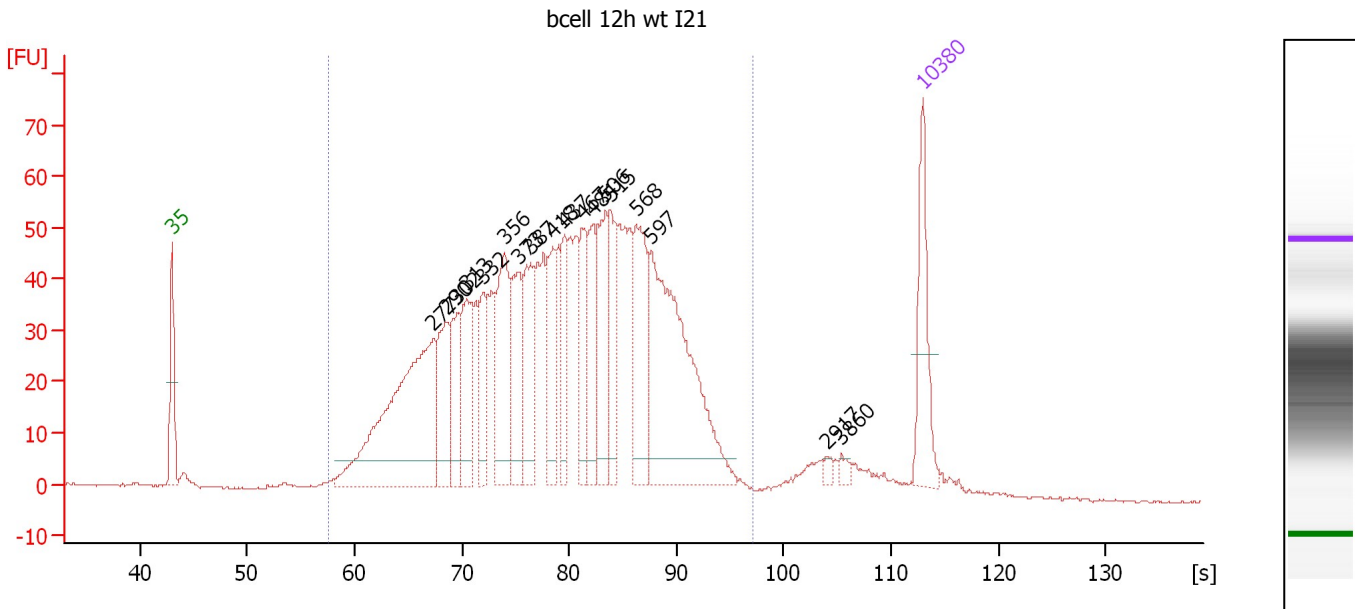
Region table for sample 2 : bcell rest top I20

From [s]	To [s]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
57.30	94.84	371	1,747.9	8,022.5	1,760.27	95	29.0

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Electropherogram Summary Continued ...



Overall Results for sample 3 : bcell 12h wt I21

Number of peaks found: 18 Corr. Area 1: 1,601.5
 Noise: 0.3

Peak table for sample 3 : bcell 12h wt I21

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	277	400.81	2,192.8		67.33
3	290	101.29	530.0		68.49
4	302	78.92	396.1		69.59
5	313	105.26	509.3		70.49
6	332	63.95	291.9		71.99
7	356	141.08	599.8		73.94
8	373	101.54	412.2		75.30
9	387	92.49	362.1		76.40
10	418	80.90	293.3		78.45
11	437	64.30	222.8		79.55
12	467	79.75	258.5		81.25
13	484	79.59	249.1		82.21
14	506	110.73	331.3		83.41
15	515	85.15	250.5		83.81
16	568	121.80	324.9		86.26
17	597	327.53	831.0		87.61
18	2,917	5.62	2.9		103.99
19	3,860	6.30	2.5		105.39
20	10,380	75.00	10.9	Upper Marker	113.00

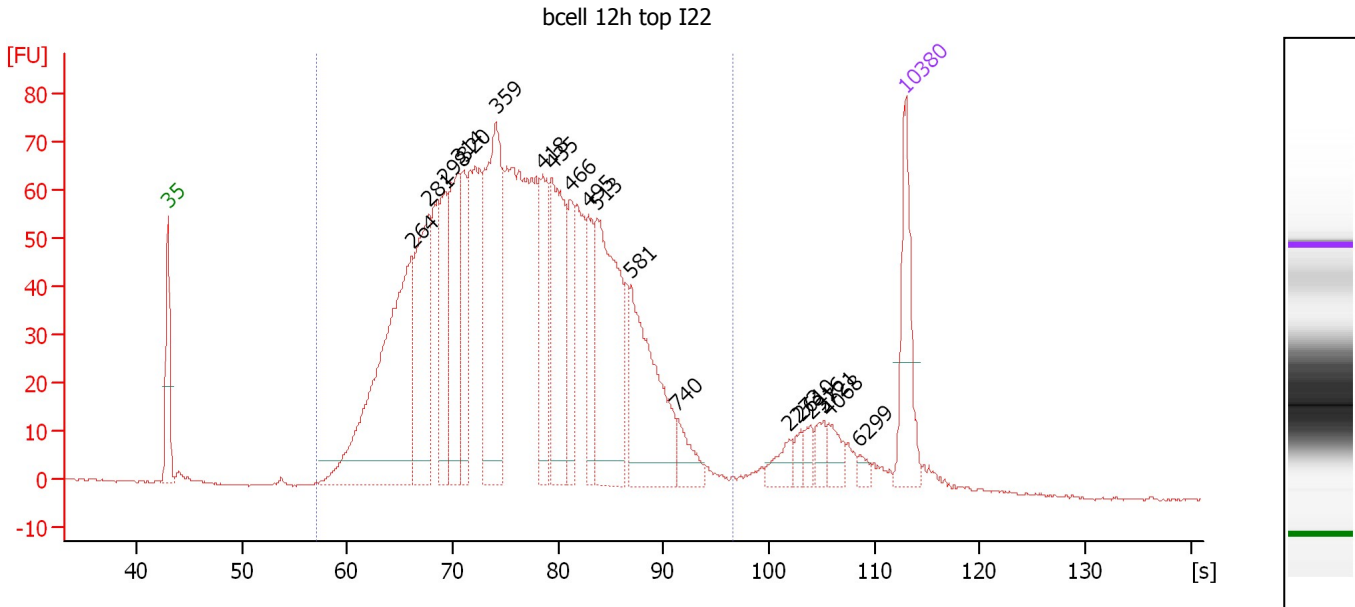
Region table for sample 3 : bcell 12h wt I21

From [s]	To [s]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
57.55	97.14	455	1,601.5	10,637.2	2,685.77	95	34.8

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Electropherogram Summary Continued ...



Overall Results for sample 4 : bcell 12h top I22

Number of peaks found: 19 Corr. Area 1: 2,077.2
 Noise: 0.2

Peak table for sample 4 : bcell 12h top I22

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	264	442.40	2,541.5		66.13
3	281	202.65	1,092.5		67.71
4	298	111.71	567.3		69.29
5	314	170.16	820.9		70.56
6	320	93.08	440.2		71.07
7	359	278.52	1,176.6		74.13
8	418	109.92	398.3		78.46
9	435	175.17	609.9		79.43
10	466	66.81	217.4		81.16
11	495	71.13	217.6		82.84
12	513	220.62	651.7		83.71
13	581	176.99	461.5		86.86
14	740	31.70	64.9		91.35
15	2,273	18.96	12.6		101.94
16	2,610	9.95	5.8		103.01
17	2,916	11.05	5.7		103.98
18	3,721	15.69	6.4		105.21
19	4,068	19.33	7.2		105.66
20	6,299	7.02	1.7		108.62
21	10,380	75.00	10.9	Upper Marker	113.00

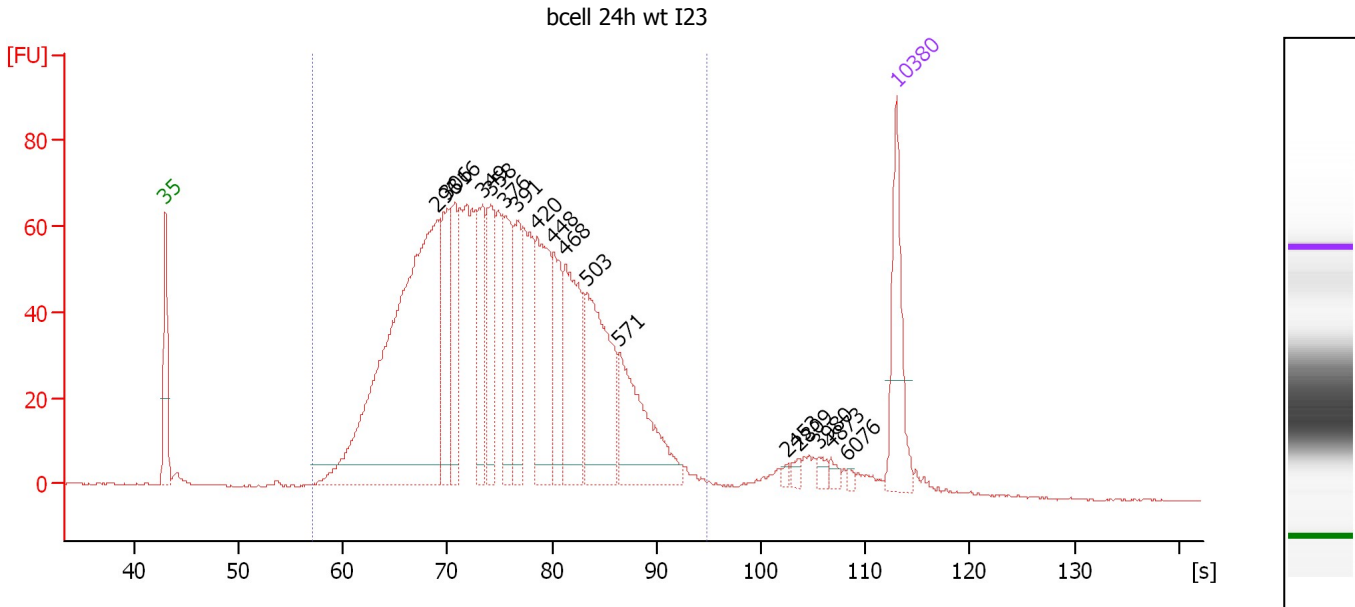
Region table for sample 4 : bcell 12h top I22

From [s]	To [s]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
57.03	96.52	407	2,077.2	13,073.3	3,050.11	94	33.1

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Electropherogram Summary Continued ...



Overall Results for sample 5 : bcell 24h wt I23

Number of peaks found: 17 Corr. Area 1: 1,923.3
 Noise: 0.3

Peak table for sample 5 : bcell 24h wt I23

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	296	696.01	3,564.9		69.06
3	306	116.06	574.4		69.93
4	316	96.67	463.8		70.70
5	349	100.42	436.5		73.32
6	358	104.24	440.9		74.09
7	376	96.08	386.9		75.53
8	391	81.08	314.2		76.72
9	420	139.15	502.0		78.57
10	448	82.53	279.1		80.16
11	468	138.01	446.8		81.29
12	503	179.42	540.6		83.24
13	571	132.36	351.5		86.38
14	2,453	2.99	1.8		102.52
15	2,809	5.12	2.8		103.65
16	3,980	6.55	2.5		105.55
17	4,873	6.28	2.0		106.73
18	6,076	3.25	0.8		108.32
19	10,380	75.00	10.9	Upper Marker	113.00

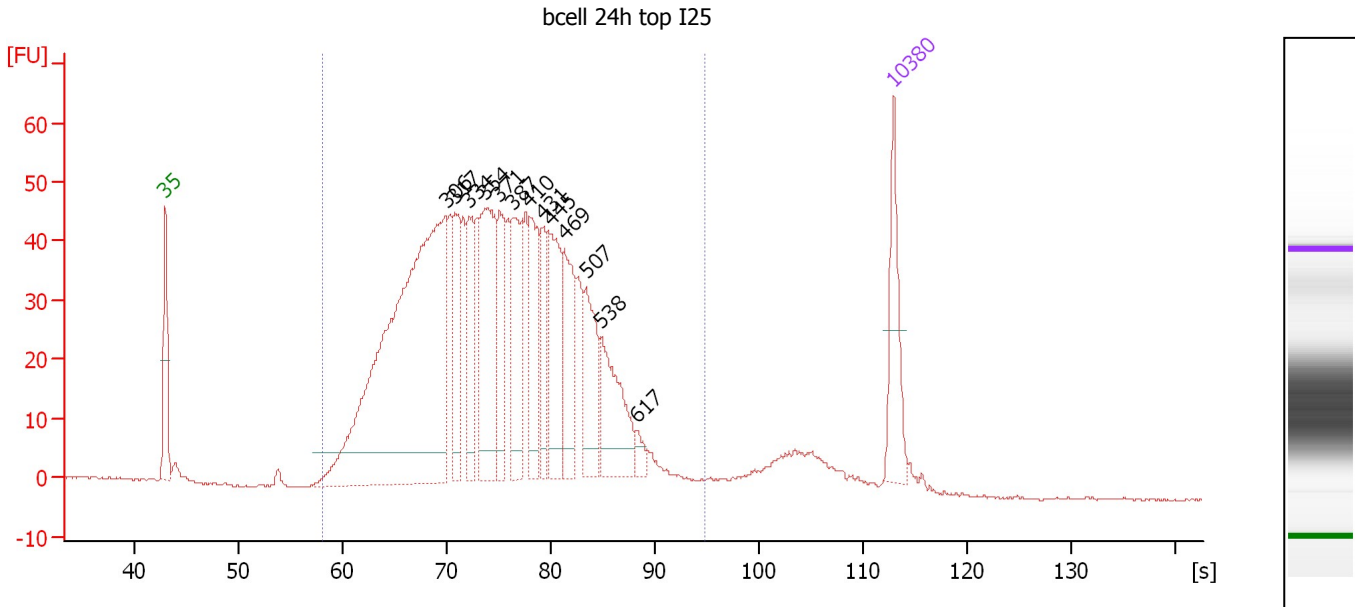
Region table for sample 5 : bcell 24h wt I23

From [s]	To [s]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
57.02	94.84	390	1,923.3	11,042.6	2,505.41	95	31.1

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Electropherogram Summary Continued ...



Overall Results for sample 6 : bcell 24h top I25

Number of peaks found: 13 Corr. Area 1: 1,338.9
 Noise: 0.2

Peak table for sample 6 : bcell 24h top I25

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	306	909.55	4,498.4		69.95
3	317	106.50	509.6		70.77
4	334	107.41	487.1		72.17
5	354	203.65	871.3		73.77
6	371	99.58	406.7		75.11
7	387	124.01	485.4		76.40
8	410	111.76	413.0		78.00
9	431	75.34	264.9		79.19
10	445	126.90	432.5		79.96
11	469	108.13	349.2		81.36
12	507	98.69	295.1		83.42
13	538	119.73	337.2		84.87
14	617	14.03	34.4		88.27
15	10,380	75.00	10.9	Upper Marker	113.00

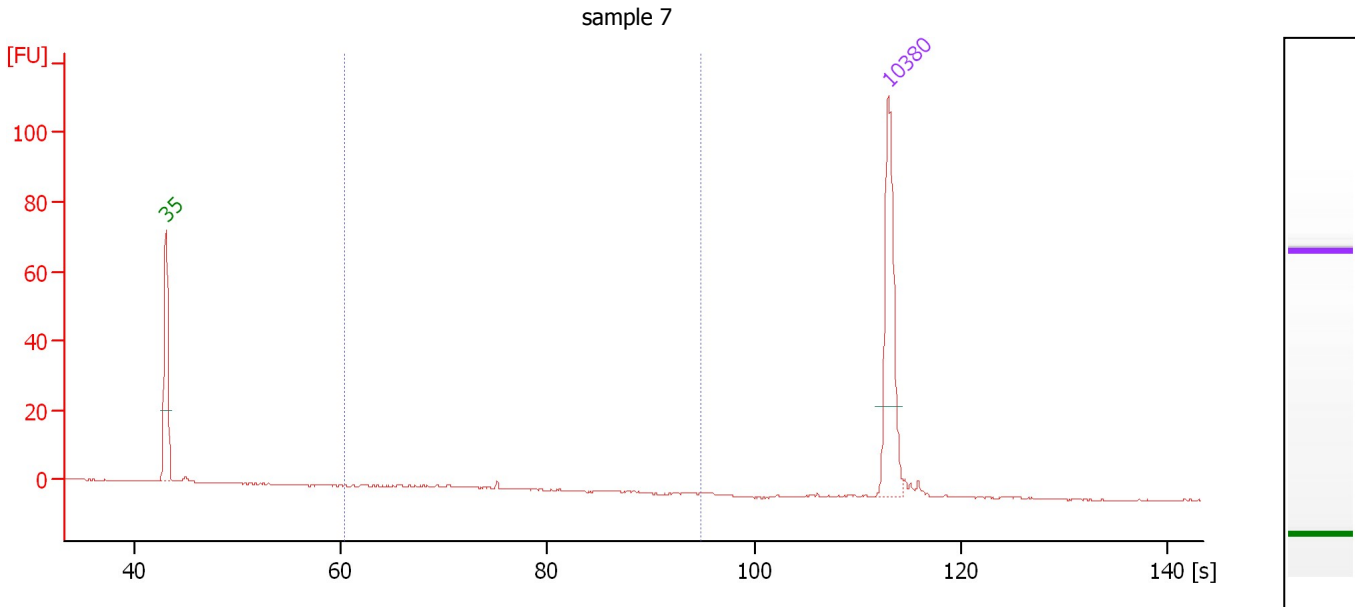
Region table for sample 6 : bcell 24h top I25

From [s]	To [s]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
58.08	94.84	380	1,338.9	12,465.5	2,794.53	95	28.8

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Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 7

Number of peaks found: 0 Corr. Area 1: 0.7
 Noise: 0.2

Peak table for sample 7 : sample 7

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	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 7 : sample 7

From [s]	To [s]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
60.31	94.84	349	0.7	3.4	0.78	10	10.0

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Gel Image

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Invalid Samples

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.