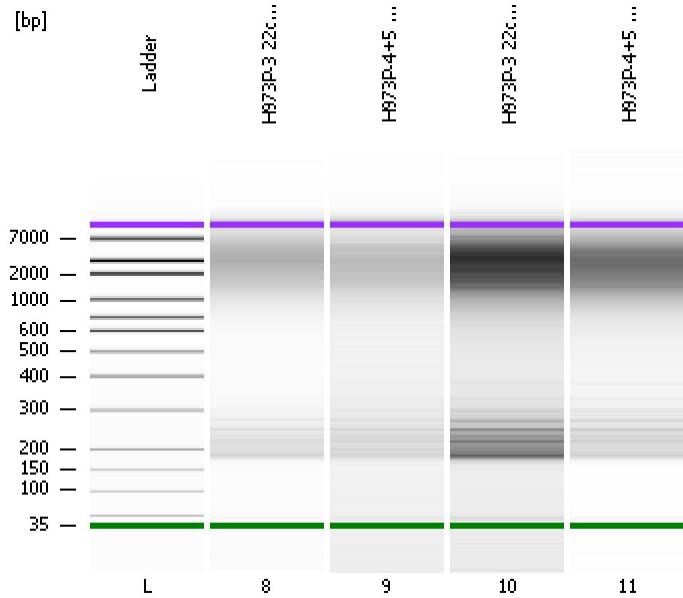


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...0 expert\data\2017-06-29\2017-06-29\_001\_Hi973P\_22cyc\_BC.xad

Created: 6/29/2017 9:20:05 AM  
Modified: 6/29/2017 10:10:01 AM

**Electrophoresis File Run Summary**



Instrument Information:

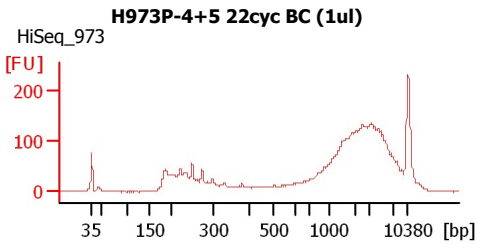
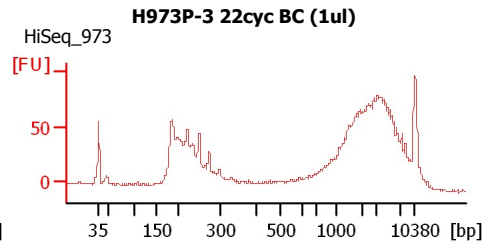
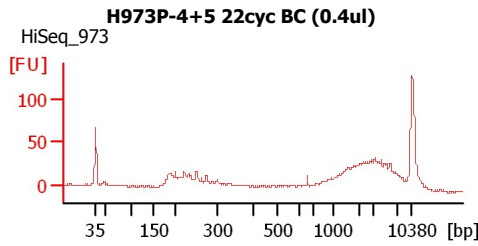
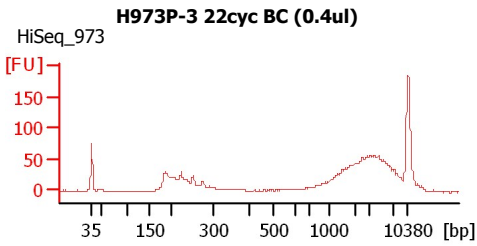
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...0 expert\data\2017-06-29\2017-06-29\_001\_Hi973P\_22cyc\_BC.xad

Created: 6/29/2017 9:20:05 AM  
Modified: 6/29/2017 10:10:01 AM

**Electrophoresis File Run Summary (Chip Summary)**

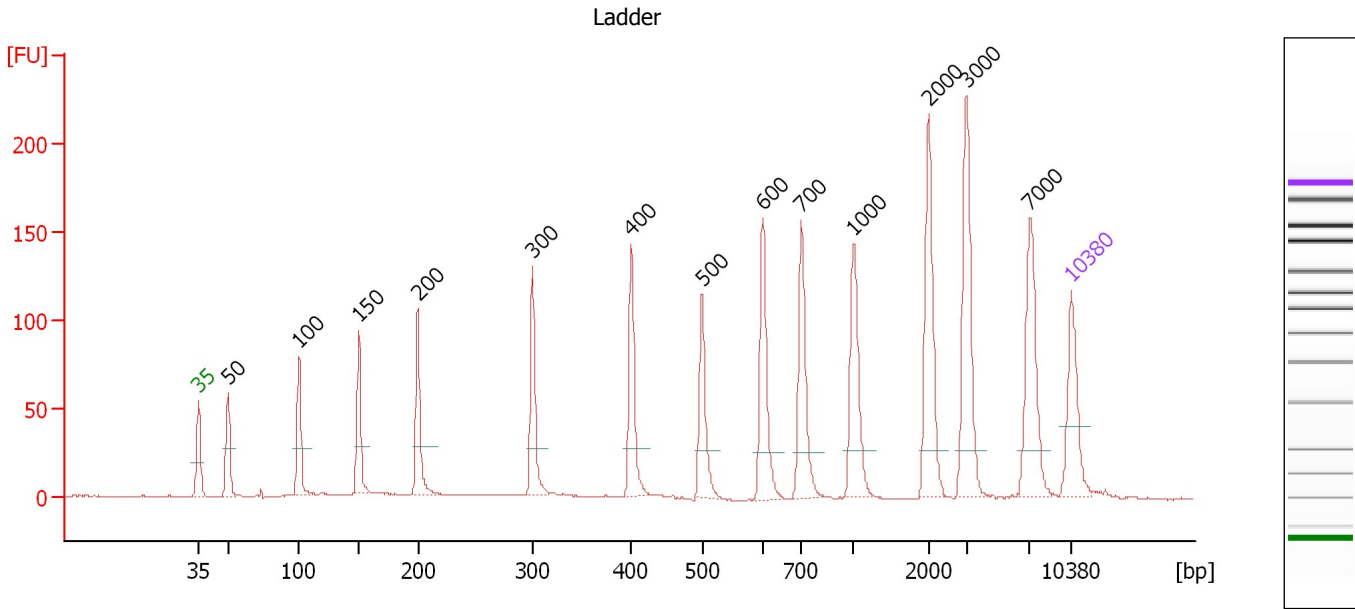
Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
H973P-3 22cyc BC (0.4ul)	HiSeq_973	<input type="checkbox"/>	✓			
H973P-4+5 22cyc BC (0.4ul)	HiSeq_973	<input type="checkbox"/>	✓			
H973P-3 22cyc BC (1ul)	HiSeq_973	<input type="checkbox"/>	✓			
H973P-4+5 22cyc BC (1ul)	HiSeq_973	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

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

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2017-06-29\2017-06-29\_001\_Hi973P\_22cyc\_BC.xad

Created: 6/29/2017 9:20:05 AM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

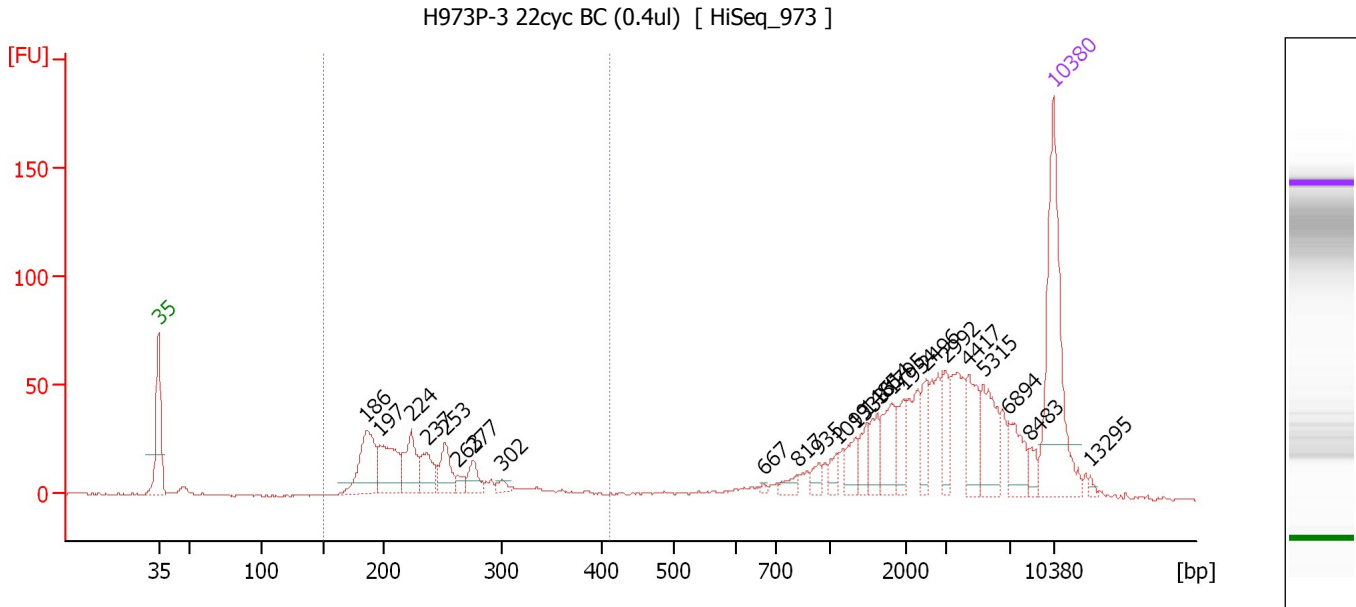
**Peak table for Ladder**

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	45.35
3	100	150.00	2,272.7	Ladder Peak	51.04
4	150	150.00	1,515.2	Ladder Peak	55.83
5	200	150.00	1,136.4	Ladder Peak	60.57
6	300	150.00	757.6	Ladder Peak	69.77
7	400	150.00	568.2	Ladder Peak	77.68
8	500	150.00	454.5	Ladder Peak	83.37
9	600	150.00	378.8	Ladder Peak	88.24
10	700	150.00	324.7	Ladder Peak	91.32
11	1,000	150.00	227.3	Ladder Peak	95.51
12	2,000	150.00	113.6	Ladder Peak	101.54
13	3,000	150.00	75.8	Ladder Peak	104.58
14	7,000	150.00	32.5	Ladder Peak	109.66
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2017-06-29\2017-06-29\_001\_Hi973P\_22cyc\_BC.xad

Created: 6/29/2017 9:20:05 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : H973P-3 22cyc BC (0.4ul)**

Number of peaks found: 24                      Corr. Area 1: 346.3  
 Noise: 0.3

**Peak table for sample 8 : H973P-3 22cyc BC (0.4ul)**

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	186	51.56	419.7		59.26
3	197	43.80	336.6		60.31
4	224	31.26	211.5		62.77
5	237	21.48	137.1		64.00
6	253	20.56	123.0		65.47
7	263	4.91	28.3		66.38
8	277	11.73	64.1		67.66
9	302	4.51	22.6		69.89
10	667	1.43	3.3		90.31
11	817	5.55	10.3		92.95
12	935	5.93	9.6		94.60
13	1,099	6.39	8.8		96.11
14	1,333	10.68	12.1		97.52
15	1,485	10.60	10.8		98.43
16	1,614	12.91	12.1		99.21
17	1,795	20.60	17.4		100.31
18	1,954	13.13	10.2		101.26
19	2,496	14.56	8.8		103.05
20	2,992	13.86	7.0		104.55
21	4,417	22.63	7.8		106.38
22	5,315	26.62	7.6		107.52
23	6,894	16.98	3.7		109.53
24	8,483	5.89	1.1		111.13
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2017-06-29\2017-06-29\_001\_Hi973P\_22cyc\_BC.xad

Created: 6/29/2017 9:20:05 AM  
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### Electropherogram Summary Continued ...

#### ... Peak table for sample 8 : H973P-3 22cyc BC (0.4ul)

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	13,295	0.00	0.0		115.88

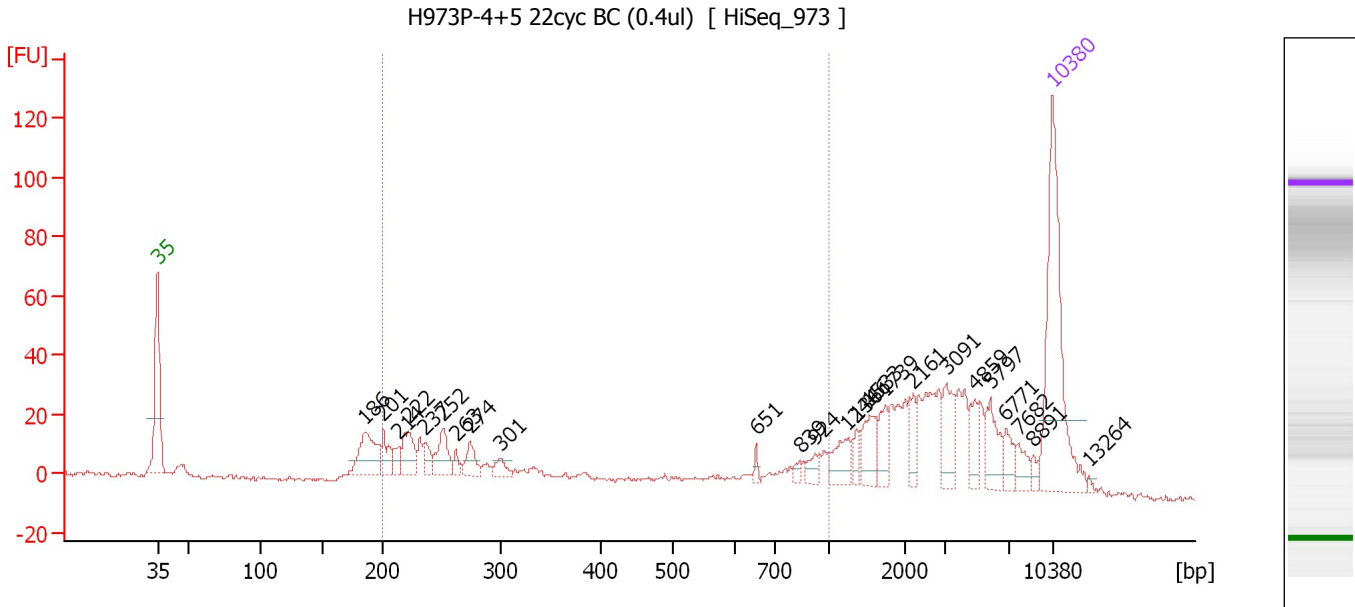
#### Region table for sample 8 : H973P-3 22cyc BC (0.4ul)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ $\mu$ l]	% of Total	Size distribution in CV [%]
151	412	235	346.3	1,481.9	221.16	32	19.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2017-06-29\2017-06-29\_001\_Hi973P\_22cyc\_BC.xad

Created: 6/29/2017 9:20:05 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : H973P-4+5 22cyc BC (0.4ul)**

Number of peaks found: 24      Corr. Area 1: 289.8  
 Noise: 0.8

**Peak table for sample 9 : H973P-4+5 22cyc BC (0.4ul)**

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	186	35.33	288.5		59.20
3	201	15.54	117.1		60.67
4	214	8.80	62.3		61.87
5	222	21.00	143.3		62.60
6	237	8.94	57.3		63.93
7	252	20.57	123.7		65.35
8	263	4.92	28.3		66.36
9	274	11.94	65.9		67.42
10	301	7.18	36.1		69.85
11	651	2.77	6.5		89.82
12	839	2.99	5.4		93.26
13	924	6.88	11.3		94.46
14	1,244	15.12	18.4		96.98
15	1,366	6.23	6.9		97.71
16	1,533	16.98	16.8		98.72
17	1,739	11.57	10.1		99.96
18	2,161	9.54	6.7		102.03
19	3,091	17.24	8.5		104.69
20	4,859	10.96	3.4		106.94
21	5,797	16.96	4.4		108.13
22	6,771	9.00	2.0		109.37
23	7,682	7.54	1.5		110.34
24	8,891	3.07	0.5		111.53
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...0 expert\data\2017-06-29\2017-06-29\_001\_Hi973P\_22cyc\_BC.xad

Created: 6/29/2017 9:20:05 AM  
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**Electropherogram Summary Continued ...****... Peak table for sample 9 : H973P-4+5 22cyc BC (0.4ul)**

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	13,264	0.00	0.0		115.85

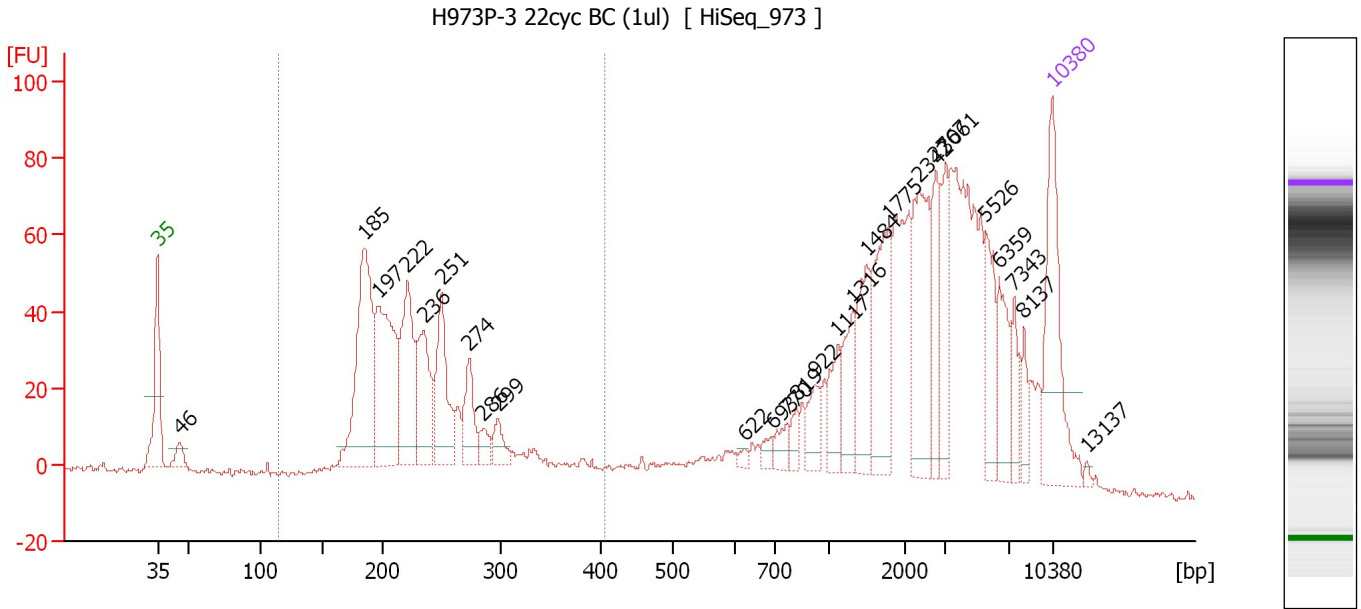
**Region table for sample 9 : H973P-4+5 22cyc BC (0.4ul)**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ $\mu$ l]	% of Total	Size distribution in CV [%]
200	1,000	436	289.8	1,110.6	224.80	37	55.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2017-06-29\2017-06-29\_001\_Hi973P\_22cyc\_BC.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : H973P-3 22cyc BC (1ul)**

Number of peaks found: 26                      Corr. Area 1: 689.7  
 Noise: 0.7

**Peak table for sample 10 : H973P-3 22cyc BC (1ul)**

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	46	15.45	507.0		44.75
3	185	172.54	1,410.3		59.19
4	197	147.89	1,137.3		60.29
5	222	102.95	704.2		62.55
6	236	73.05	469.9		63.84
7	251	76.40	461.9		65.23
8	274	39.59	218.8		67.39
9	286	12.82	67.9		68.50
10	299	17.55	89.0		69.65
11	622	3.72	9.1		88.93
12	693	7.59	16.6		91.10
13	770	12.29	24.2		92.30
14	819	9.81	18.1		92.99
15	922	21.43	35.2		94.42
16	1,117	27.21	36.9		96.21
17	1,316	29.90	34.4		97.41
18	1,484	47.38	48.4		98.43
19	1,775	69.69	59.5		100.18
20	2,342	76.09	49.2		102.58
21	2,767	38.57	21.1		103.87
22	3,061	37.11	18.4		104.65
23	5,526	38.10	10.4		107.79
24	6,359	33.07	7.9		108.85
25	7,343	18.49	3.8		110.00



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2017-06-29\2017-06-29\_001\_Hi973P\_22cyc\_BC.xad

Created: 6/29/2017 9:20:05 AM  
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### Electropherogram Summary Continued ...

#### ... Peak table for sample 10 : H973P-3 22cyc BC (1ul)

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	8,137	12.73	2.4		110.79
27	10,380	75.00	10.9	Upper Marker	113.00
28	13,137	0.00	0.0		115.72

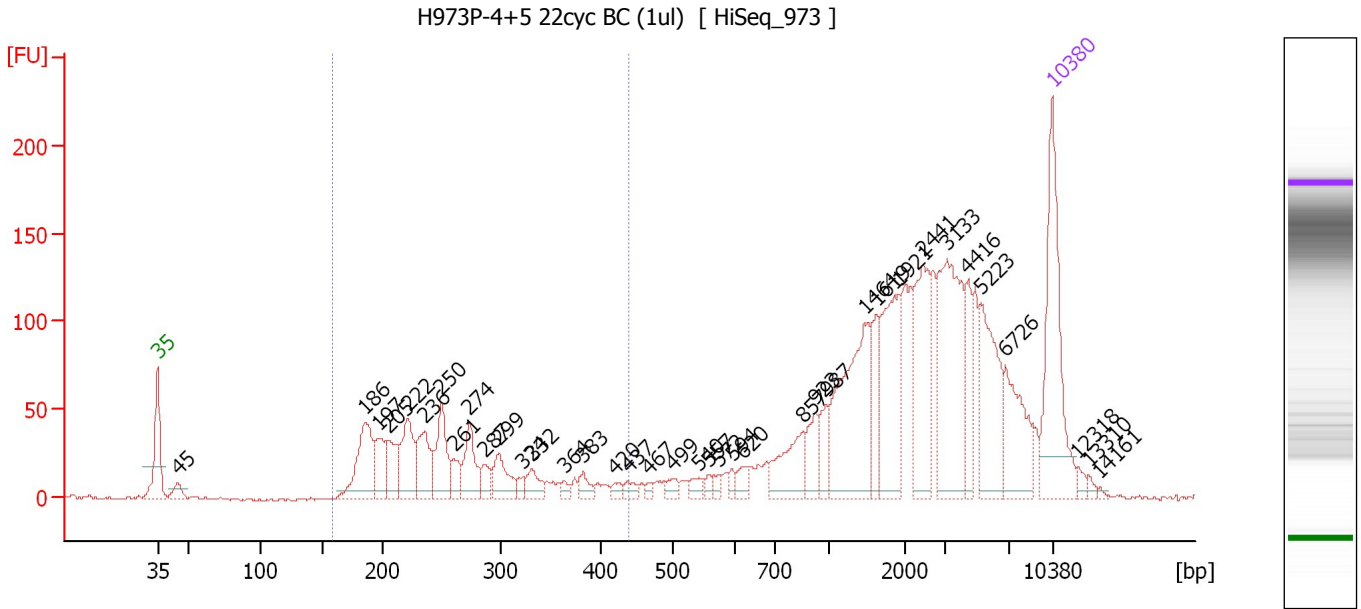
#### Region table for sample 10 : H973P-3 22cyc BC (1ul)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ $\mu$ l]	% of Total	Size distribution in CV [%]
115	405	236	689.7	5,295.7	784.60	36	21.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2017-06-29\2017-06-29\_001\_Hi973P\_22cyc\_BC.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : H973P-4+5 22cyc BC (1ul)**

Number of peaks found: 38                      Corr. Area 1: 680.1  
 Noise: 0.8

**Peak table for sample 11 : H973P-4+5 22cyc BC (1ul)**

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	45	10.23	343.7		44.59
3	186	60.31	491.7		59.23
4	197	27.55	211.8		60.30
5	205	26.85	198.3		61.05
6	222	45.21	308.7		62.59
7	236	35.74	229.4		63.89
8	250	39.09	236.6		65.20
9	261	13.31	77.3		66.18
10	274	31.07	171.7		67.39
11	287	10.58	55.8		68.60
12	299	23.72	120.0		69.72
13	324	5.18	24.3		71.63
14	332	13.18	60.2		72.29
15	364	3.80	15.8		74.85
16	383	8.00	31.7		76.30
17	420	4.56	16.4		78.82
18	437	5.56	19.3		79.80
19	467	2.88	9.4		81.47
20	499	6.21	18.9		83.29
21	540	6.48	18.2		85.30
22	557	3.73	10.1		86.14
23	572	4.44	11.8		86.88
24	594	4.30	11.0		87.96
25	620	7.68	18.8		88.84

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2017-06-29\2017-06-29\_001\_Hi973P\_22cyc\_BC.xad

Created: 6/29/2017 9:20:05 AM  
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**Electropherogram Summary Continued ...**

**... Peak table for sample 11 : H973P-4+5 22cyc BC (1ul)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	857	32.33	57.2		93.51
27	923	18.78	30.8		94.44
28	987	14.63	22.5		95.33
29	1,464	88.11	91.2		98.31
30	1,619	21.24	19.9		99.24
31	1,921	61.88	48.8		101.06
32	2,441	52.31	32.5		102.88
33	3,133	87.22	42.2		104.75
34	4,416	22.65	7.8		106.38
35	5,223	51.95	15.1		107.40
36	6,726	40.13	9.0		109.32
37	10,380	75.00	10.9	Upper Marker	113.00
38	12,318	0.00	0.0		114.91
39	13,310	0.00	0.0		115.89
40	14,161	0.00	0.0		116.73

**Region table for sample 11 : H973P-4+5 22cyc BC (1ul)**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
159	437	258	680.1	2,181.1	347.62	26	23.9

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...0 expert\data\2017-06-29\2017-06-29\_001\_Hi973P\_22cyc\_BC.xad

Created: 6/29/2017 9:20:05 AM  
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**Gel Image**

