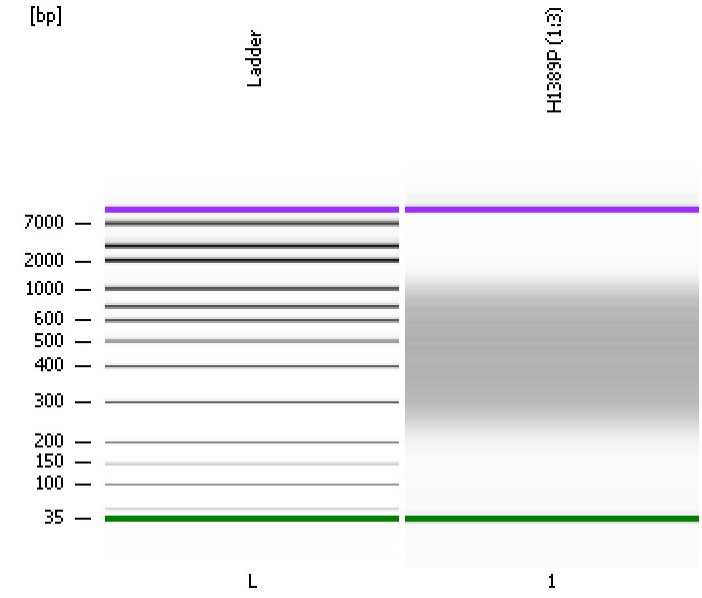
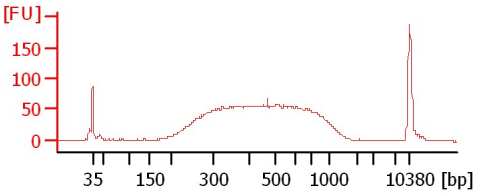
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...lyzer\2100 expert\data\2018-07-04\2018-07-04_001_H1389P.xad

Created: 7/4/2018 3:02:09 PM
Modified: 7/4/2018 3:41:37 PM

Electrophoresis File Run Summary



H1389P (1:3)



Instrument Information:

Instrument Name:	DE34903152	Firmware:	C.01.069
Serial#:	DE34903152	Type:	G2938C

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:\...lyzer\2100 expert\data\2018-07-04\2018-07-04_001_H1389P.xad

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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
H1389P (1:3)		☐	✔			
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...lyzer\2100 expert\data\2018-07-04\2018-07-04_001_H1389P.xad

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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

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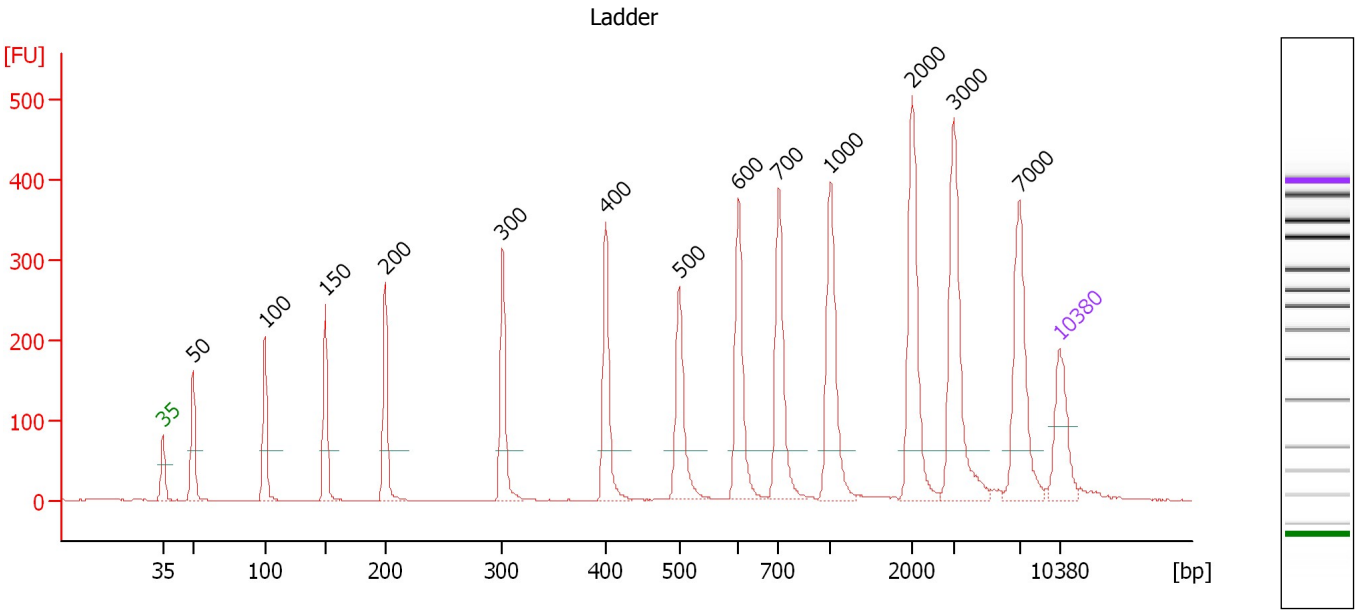
Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

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	45.32
3		100	150.00	2,272.7	Ladder Peak	50.93
4		150	150.00	1,515.2	Ladder Peak	55.65
5		200	150.00	1,136.4	Ladder Peak	60.33
6		300	150.00	757.6	Ladder Peak	69.51
7		400	150.00	568.2	Ladder Peak	77.58
8		500	150.00	454.5	Ladder Peak	83.28
9		600	150.00	378.8	Ladder Peak	87.96
10		700	150.00	324.7	Ladder Peak	91.08
11		1,000	150.00	227.3	Ladder Peak	95.13
12		2,000	150.00	113.6	Ladder Peak	101.50
13		3,000	150.00	75.8	Ladder Peak	104.76
14		7,000	150.00	32.5	Ladder Peak	109.88
15		10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...lyzer\2100 expert\data\2018-07-04\2018-07-04_001_H1389P.xad

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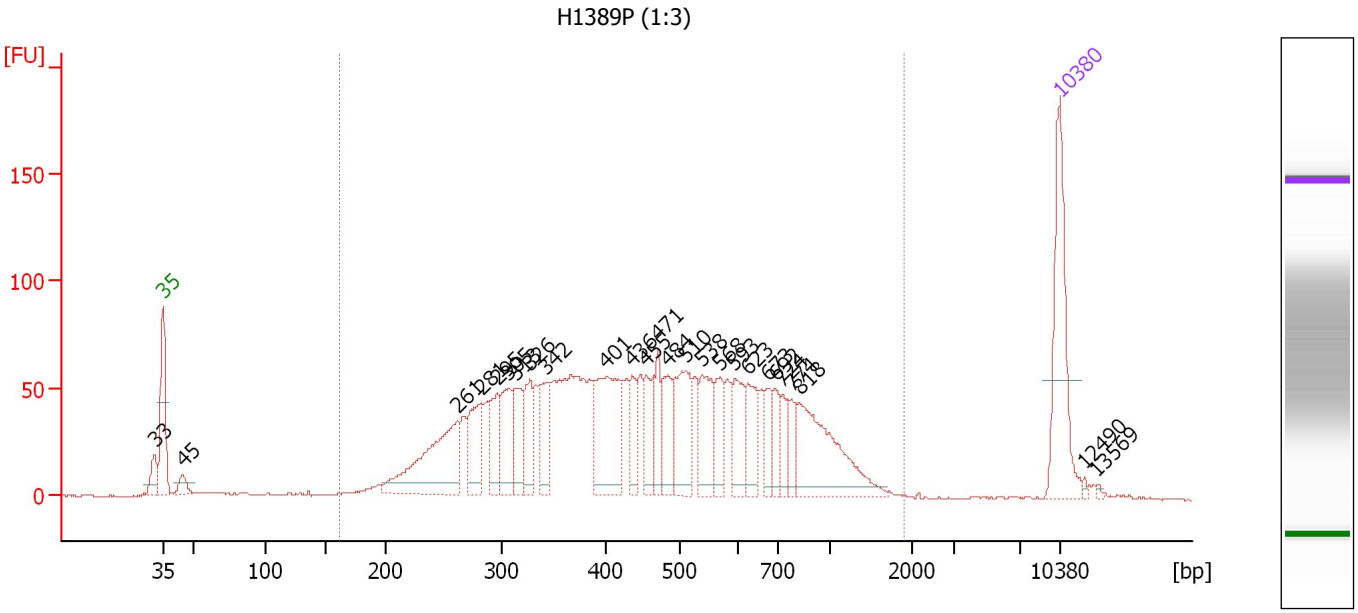
Electropherogram Summary Continued ...



Overall Results for sample 1 : H1389P (1:3)

Number of peaks found:	26	Corr. Area 1:	2,215.6
Noise:	0.3		

Peak table for sample 1 : H1389P (1:3)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.32
2	35	125.00	5,411.3	Lower Marker	43.00
3	45	13.72	462.4		44.54
4	261	121.94	707.2		65.96
5	281	48.66	261.9		67.81
6	295	38.40	197.0		69.08
7	305	46.79	232.2		69.94
8	313	37.77	183.1		70.53
9	326	40.09	186.3		71.62
10	342	39.38	174.5		72.88
11	401	99.90	377.4		77.64
12	436	25.45	88.4		79.63
13	455	32.97	109.8		80.72
14	471	28.73	92.4		81.62
15	484	41.75	130.6		82.39
16	510	57.02	169.4		83.75
17	538	45.84	129.1		85.06
18	568	28.40	75.7		86.47
19	593	37.88	96.7		87.64
20	623	33.11	80.5		88.69
21	673	19.27	43.4		90.23
22	692	21.84	47.8		90.81
23	724	17.53	36.7		91.40
24	774	16.43	32.1		92.08
25	818	96.16	178.2		92.67

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Electropherogram Summary Continued ...

... Peak table for sample 1 : H1389P (1:3)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00
27	12,490	0.00	0.0		114.95
28	13,569	0.00	0.0		115.94

Region table for sample 1 : H1389P (1:3)

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
161	1,906	499	1,373.88	2,215.6	5,318.3	96	47.2

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Gel Image