Assay Class: High Sensitivity DNA Assay	Created: 4/20/2020 12:02:44 PM
Data Path: T:\...gh Sensitivity DNA Assay_DE72902247_2020-04-20_12-02-44.xad	Modified: 4/20/2020 12:39:01 PM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name:	DE72902247	Firmware:	C.01.069
Serial#:	DE72902247	Type:	G2939A

Assay Information:

Assay Origin Path:	C:\Program Files (x86)\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 #:
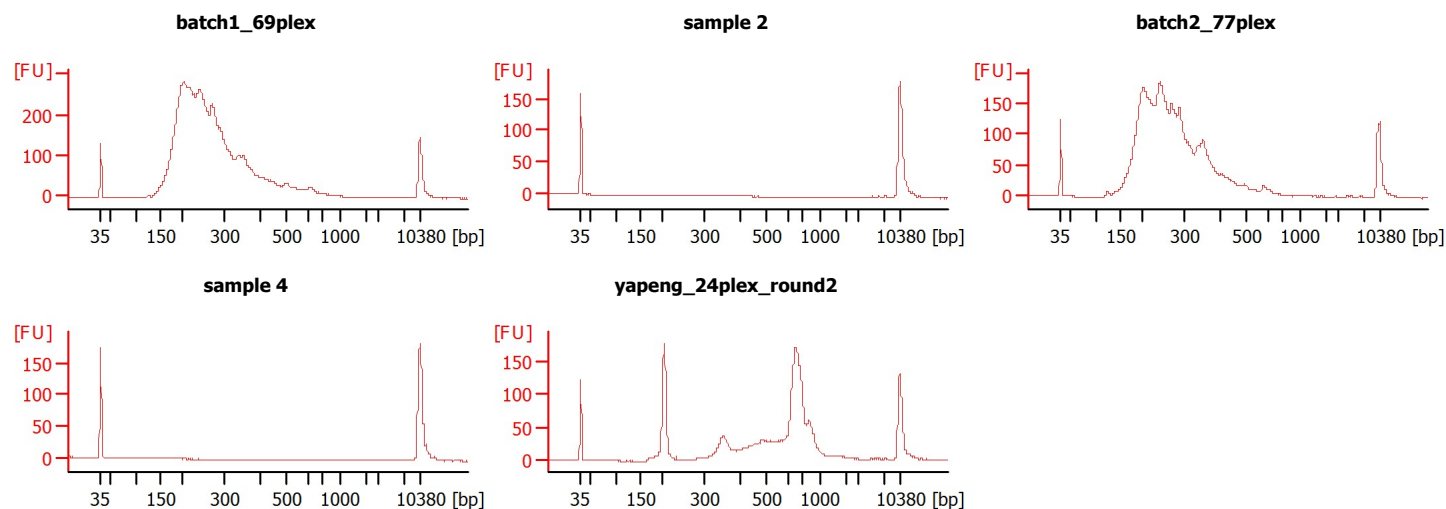
Chip Comments:

batch1_69plex

sample 2

batch2_77plex
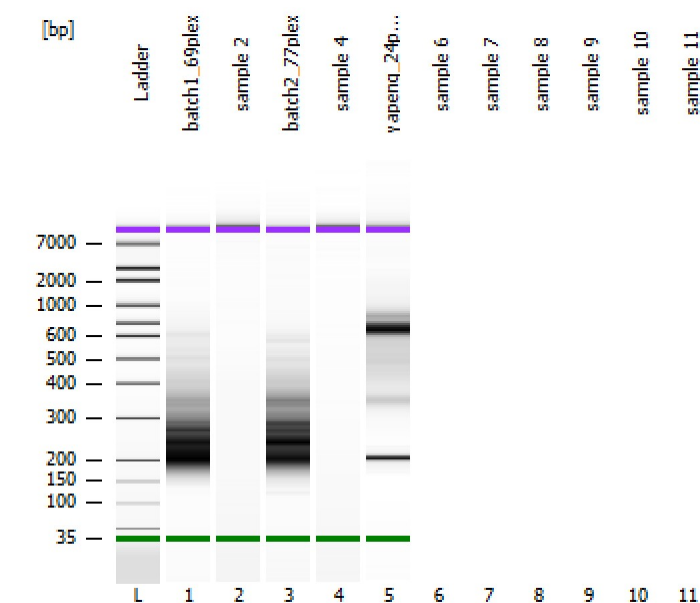

sample 4

yapeng_24plex_round2

Assay Class: High Sensitivity DNA Assay
Data Path: T:\...gh Sensitivity DNA Assay_DE72902247_2020-04-20_12-02-44.xad

Created: 4/20/2020 12:02:44 PM
Modified: 4/20/2020 12:39:01 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
batch1_69plex		☐	✔			
sample 2		☐	✔			
batch2_77plex		☐	✔			
sample 4		☐	✔			
yapeng_24plex_round 2		☐	✔			
sample 6		☐				
sample 7		☐				
sample 8		☐				
sample 9		☐				
sample 10		☐				
sample 11		☐				
Ladder		☐	✔			

Chip Lot #   **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: T:\...gh Sensitivity DNA Assay_DE72902247_2020-04-20_12-02-44.xad

Created: 4/20/2020 12:02:44 PM
Modified: 4/20/2020 12:39:01 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: T:\...gh Sensitivity DNA Assay_DE72902247_2020-04-20_12-02-44.xad

Created: 4/20/2020 12:02:44 PM
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Electropherogram Summary
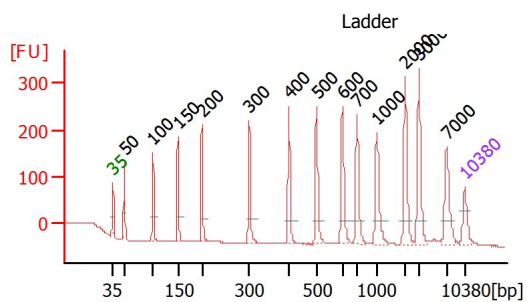
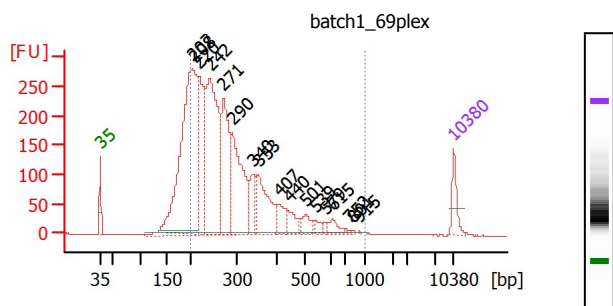**Overall Results for Ladder**

Noise: 0.3

Peak table for Ladder

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◄	35	125.00	5,411.3	Lower Marker
2	L	50	150.00	4,545.5	Ladder Peak
3	L	100	150.00	2,272.7	Ladder Peak
4	L	150	150.00	1,515.2	Ladder Peak
5	L	200	150.00	1,136.4	Ladder Peak
6	L	300	150.00	757.6	Ladder Peak
7	L	400	150.00	568.2	Ladder Peak
8	L	500	150.00	454.5	Ladder Peak
9	L	600	150.00	378.8	Ladder Peak
10	L	700	150.00	324.7	Ladder Peak
11	L	1,000	150.00	227.3	Ladder Peak
12	L	2,000	150.00	113.6	Ladder Peak
13	L	3,000	150.00	75.8	Ladder Peak

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
14	L	7,000	150.00	32.5	Ladder Peak
15	▶	10,380	75.00	10.9	Upper Marker

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Data Path:	T:\...gh Sensitivity DNA Assay_DE72902247_2020-04-20_12-02-44.xad	Modified:	4/20/2020 12:39:01 PM

Electropherogram Summary Continued ...

batch1_69plex

Overall Results for sample 1 :　　　batch1_69plex

Number of peaks found:	17
Noise:	0.4
Corr. Area 1:	5,221.0

Region table for sample 1 :　　　batch1_69plex

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	1,000	5,221.0	81	301	34.9	4,348.33	24,333.4	■

Peak table for sample 1 :　　　batch1_69plex

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		207	6,389.13	46,766.0	
3		208	1,745.85	12,695.5	
4		220	570.39	3,925.5	
5		242	1,072.53	6,704.3	
6		271	569.74	3,191.0	
7		290	569.03	2,977.3	
8		340	155.13	691.7	
9		353	329.00	1,410.4	
10		407	99.76	371.7	
11		440	73.76	253.9	
12		501	67.05	202.7	
13		539	31.16	87.6	
14		579	16.37	42.8	
15		615	47.51	117.1	
16		752	4.41	8.9	
17		801	3.88	7.3	
18		915	2.04	3.4	
19	▶	10,380	75.00	10.9	Upper Marker
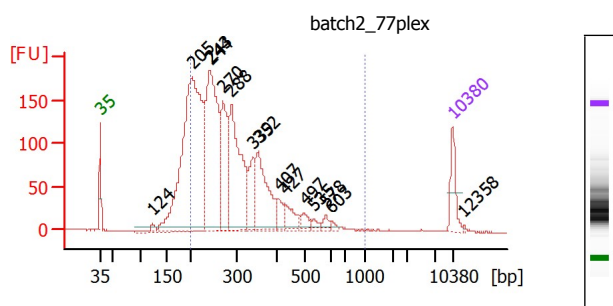
batch2_77plex

Overall Results for sample 3 :　　　batch2_77plex

Number of peaks found:	15
Noise:	0.3
Corr. Area 1:	3,535.2

Region table for sample 3 :　　　batch2_77plex

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	1,000	3,535.2	83	299	31.1	3,140.93	17,416.6	■

Peak table for sample 3 :　　　batch2_77plex

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		243	3,996.45	24,933.3	
3		124	17.72	216.6	
4		205	1,413.70	10,473.3	
5		244	836.17	5,187.2	
6		270	348.50	1,958.2	
7		288	522.17	2,750.3	
8		339	139.67	624.2	
9		352	307.54	1,324.7	
10		407	55.98	208.3	
11		427	73.19	259.7	
12		497	36.08	110.0	
13		535	17.74	50.3	
14		578	20.70	54.2	
15		603	11.24	28.2	
16	▶	10,380	75.00	10.9	Upper Marker
17		12,358	0.00	0.0	

Assay Class: High Sensitivity DNA Assay   Created: 4/20/2020 12:02:44 PM
Data Path: T:\...gh Sensitivity DNA Assay_DE72902247_2020-04-20_12-02-44.xad   Modified: 4/20/2020 12:39:01 PM

Gel Image