Assay Class: High Sensitivity DNA Assay
Data Path: C:\...0 expert\data\2014-08-04\2014-08-04_002_CBA_Fuhrman8_4x.xad

Created: 8/4/2014 9:29:09 AM
Modified: 8/4/2014 10:58:57 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

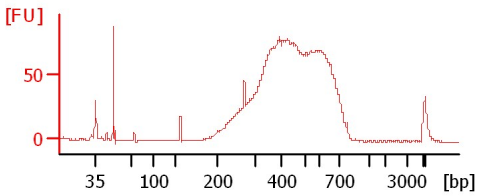
Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

Fuhrman8_4x



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...0 expert\data\2014-08-04\2014-08-04_002_CBA_Fuhrman8_4x.xad

Created: 8/4/2014 9:29:09 AM
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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Fuhrman8_4x		☐	✔			
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...0 expert\data\2014-08-04\2014-08-04_002_CBA_Fuhrman8_4x.xad

Created: 8/4/2014 9:29:09 AM
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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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...0 expert\data\2014-08-04\2014-08-04_002_CBA_Fuhrman8_4x.xad

Created: 8/4/2014 9:29:09 AM
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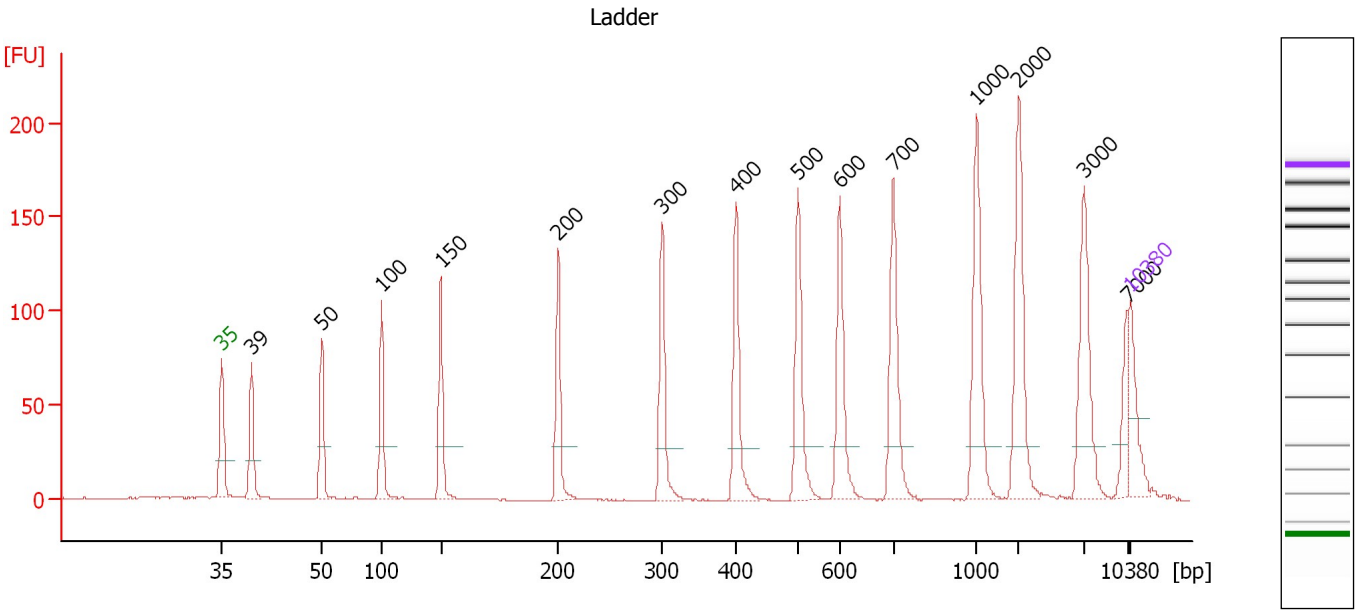
Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

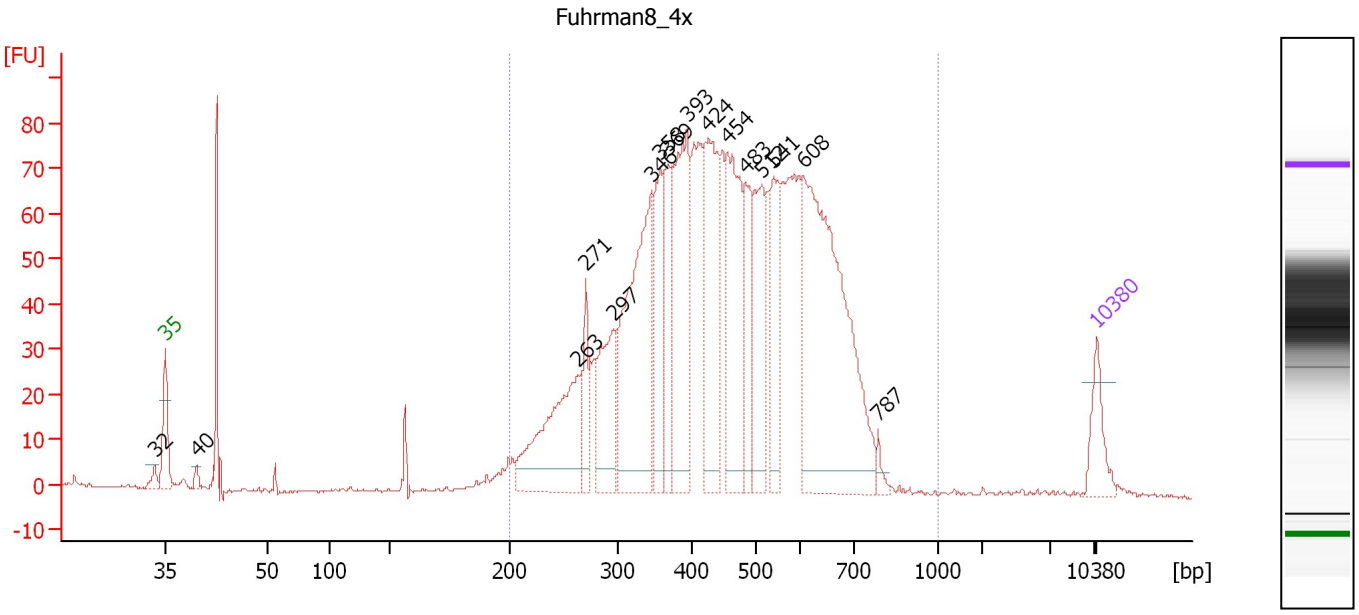
Peak table for Ladder

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1		35	125.00	5,411.3	Lower Marker
2		39	0.00	0.0	
3		50	150.00	4,545.5	Ladder Peak
4		100	150.00	2,272.7	Ladder Peak
5		150	150.00	1,515.2	Ladder Peak
6		200	150.00	1,136.4	Ladder Peak
7		300	150.00	757.6	Ladder Peak
8		400	150.00	568.2	Ladder Peak
9		500	150.00	454.5	Ladder Peak
10		600	150.00	378.8	Ladder Peak
11		700	150.00	324.7	Ladder Peak
12		1,000	150.00	227.3	Ladder Peak
13		2,000	150.00	113.6	Ladder Peak
14		3,000	150.00	75.8	Ladder Peak
15		7,000	150.00	32.5	Ladder Peak
16		10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...0 expert\data\2014-08-04\2014-08-04_002_CBA_Fuhrman8_4x.xad

Created: 8/4/2014 9:29:09 AM
Modified: 8/4/2014 10:58:57 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Fuhrman8_4x

Number of peaks found:	16	Corr. Area 1:	1,659.7
Noise:	0.3		

Peak table for sample 9 : Fuhrman8_4x

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	40	22.71	869.5	
4	263	455.17	2,618.5	
5	271	105.75	591.0	
6	297	249.45	1,272.6	
7	346	628.39	2,752.9	
8	358	238.57	1,010.8	
9	369	185.62	763.1	
10	393	470.41	1,814.4	
11	424	396.82	1,418.4	
12	454	402.32	1,341.7	
13	483	168.90	529.9	
14	512	255.70	756.9	
15	541	206.40	578.1	
16	608	878.13	2,188.4	
17	787	21.76	41.9	
18	10,380	75.00	10.9	Upper Marker

Region table for sample 9 : Fuhrman8_4x

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,000	461	21,653.0	5,782.82	1,659.7	94	29.3

Assay Class: High Sensitivity DNA Assay
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Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...0 expert\data\2014-08-04\2014-08-04_002_CBA_Fuhrman8_4x.xad

Created: 8/4/2014 9:29:09 AM
Modified: 8/4/2014 10:58:57 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 10)		Instrument	Run		8/4/2014 10:04:45 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2014-08-04\2014-08-04_002.xad)		Instrument	Run		8/4/2014 9:29:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/4/2014 9:29:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/4/2014 9:29:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/4/2014 9:29:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/4/2014 9:29:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/4/2014 9:29:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/4/2014 9:29:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1