

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\2100 expert\data\2014-05-16\2014-05-16_003_Dana_Nathan.xad

Created: 5/16/2014 12:32:41 PM
Modified: 5/16/2014 3:05:00 PM

Electrophoresis File Run Summary

Instrument Information:

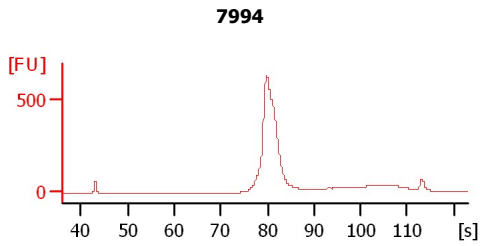
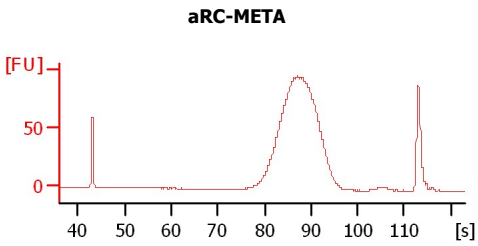
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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
aRC-META		<input type="checkbox"/>				
7994		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

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

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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

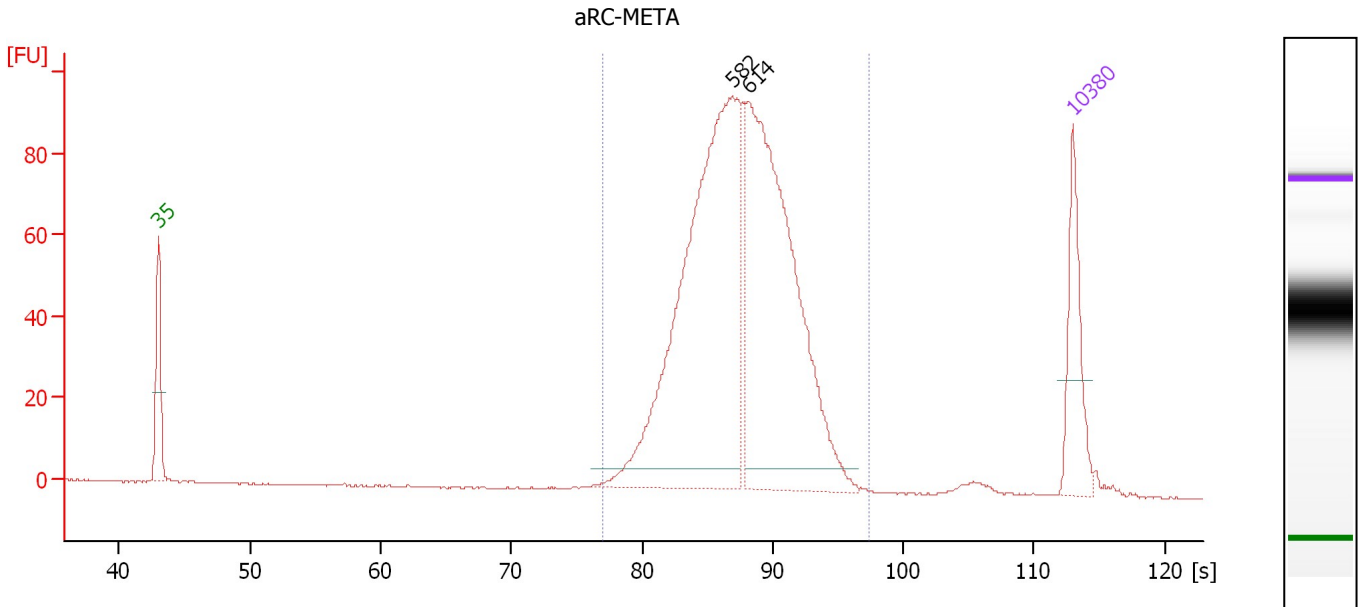
Ladder

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 sample 8 : aRC-META

Number of peaks found: 2 Corr. Area 1: 1,059.7
 Noise: 0.2

Peak table for sample 8 : aRC-META

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	582	644.07	1,675.9	
3	614	528.82	1,305.1	
4	10,380	75.00	10.9	Upper Marker

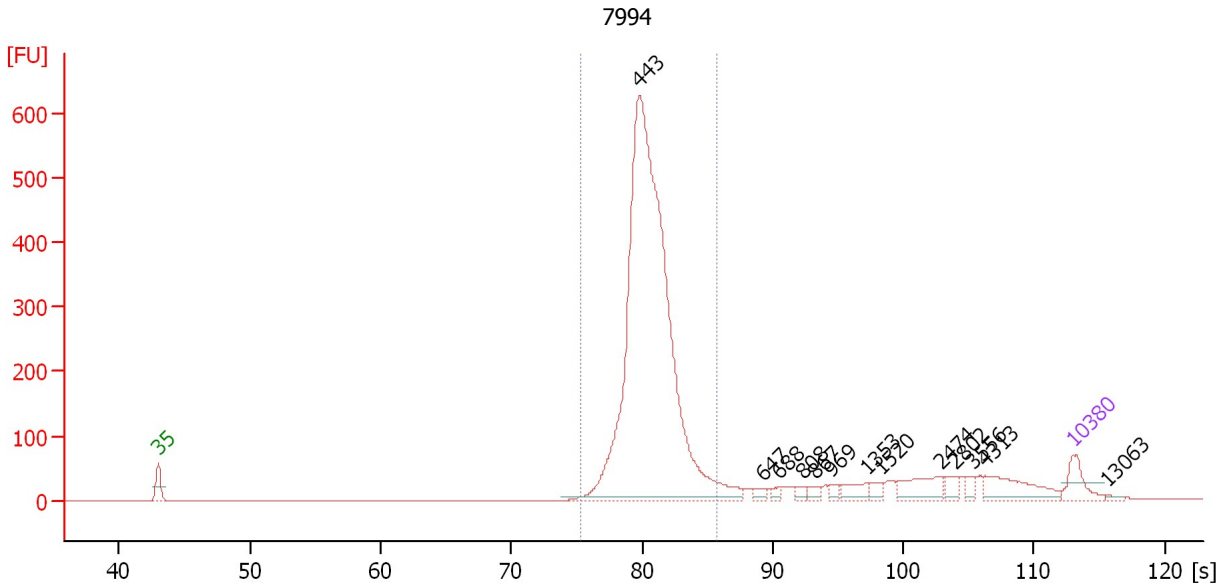
Region table for sample 8 : aRC-META

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co lor	Corr. Area	% of Total	Size distribution in CV [%]
76.99	97.40	616	3,201.3	1,254.09	■	1,059.7	98	18.7

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Electropherogram Summary Continued ...



Overall Results for sample 9 : 7994

Number of peaks found: 13 Corr. Area 1: 2,691.4
 Noise: 0.2

Peak table for sample 9 : 7994

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	443	3,289.56	11,241.3	
3	647	23.98	56.2	
4	688	16.44	36.2	
5	808	20.61	38.6	
6	867	26.73	46.7	
7	969	20.62	32.2	
8	1,353	53.76	60.2	
9	1,520	25.24	25.2	
10	2,474	102.70	62.9	
11	2,802	34.36	18.6	
12	3,556	19.93	8.5	
13	4,313	133.40	46.9	
14	10,380	75.00	10.9	Upper Marker
15	13,063	0.00	0.0	

Region table for sample 9 : 7994

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co lor	Corr. Area	% of Total	Size distribution in CV [%]
75.32	85.80	458	10,565.3	3,182.20	■	2,691.4	78	6.4

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Gel Image