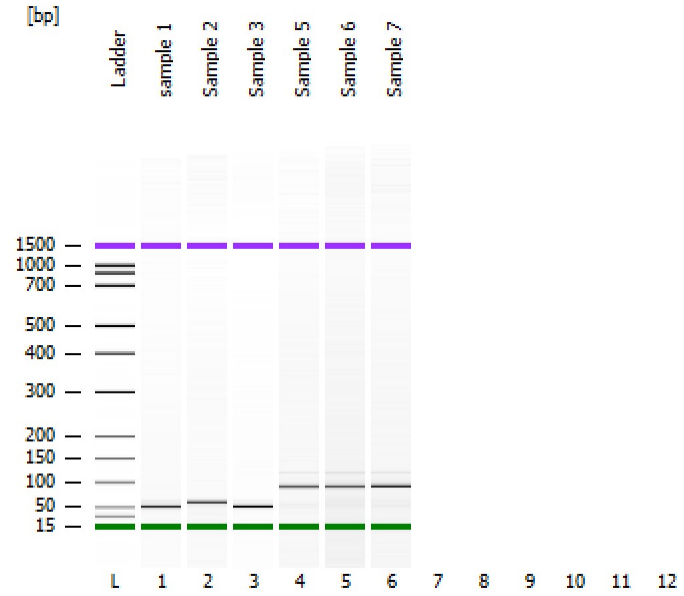
Assay Class: DNA 1000
Data Path: C:\...ads\2100 expert_DNA 1000_DE04103186_2014-02-25_15-30-28.xad

Created: 2/25/2014 3:30:28 PM
Modified: 2/26/2014 3:07:49 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name:	DE04103186	Firmware:	C.01.069
Serial#:	DE04103186	Type:	G2939A

Assay Information:

Assay Origin Path:	C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 1000 Series II.xsy
Assay Class:	DNA 1000
Version:	2.3
Assay Comments:	DNA Analysis 25 -1000 bp

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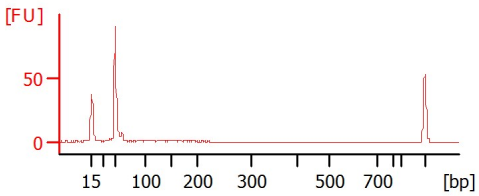
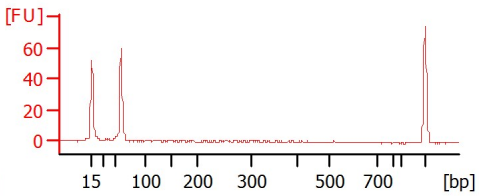
Chip Information:

Chip Lot #:	RK09BK10
Reagent Kit Lot #:	1341
Chip Comments:	

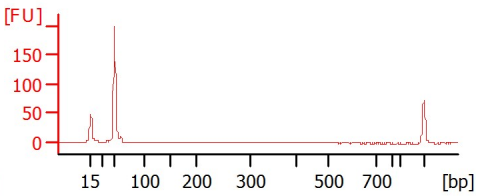
sample 1



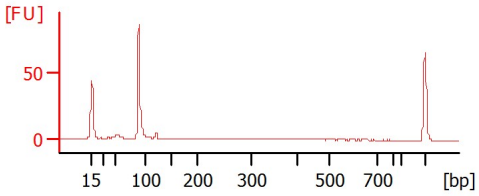
Sample 2



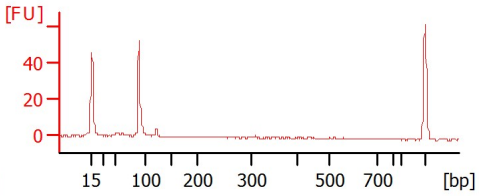
Sample 3



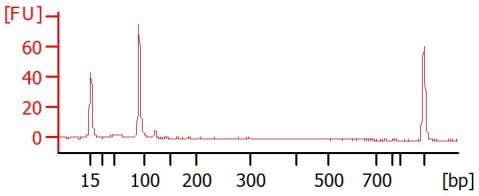
Sample 5



Sample 6



Sample 7



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Assay Class: DNA 1000
Data Path: C:\...ads\2100 expert_DNA 1000_DE04103186_2014-02-25_15-30-28.xad

Created: 2/25/2014 3:30:28 PM
Modified: 2/26/2014 3:07:49 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1		☐	✔			
Sample 2		☐	✔			
Sample 3		☐	✔			
Sample 5		☐	✔			
Sample 6		☐	✔			
Sample 7		☐	✔			
		☐				
		☐				
		☐				
		☐				
		☐				
		☐				
Ladder		☐	✔			

Chip Lot #	Reagent Kit Lot #
RK09BK10	1341

Chip Comments :

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Assay Class: DNA 1000 Created: 2/25/2014 3:30:28 PM
Data Path: C:\...ads\2100 expert_DNA 1000_DE04103186_2014-02-25_15-30-28.xad Modified: 2/26/2014 3:07:49 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 30
Maximum Visible Range [s] : 129
Start Analysis Time Range [s] : 30
End Analysis Time Range [s] : 128.95
Ladder Concentration [ng/µl] : 44
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [ng/µl] : 4.2
Upper Marker Concentration [ng/µl] : 2.1
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] : 30
Integration End Time [s] : 128.95
Slope Threshold : 0.5
Height Threshold [FU] : 20
Area Threshold : 0.1
Width Threshold [s] : 0.5
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

Ladder

Ladder Peak	Size	Area
1	15	25
2	25	26
3	50	34
4	100	41
5	150	45
6	200	52
7	300	63
8	400	76
9	500	83
10	700	88
11	850	86
12	1000	90
13	1500	52

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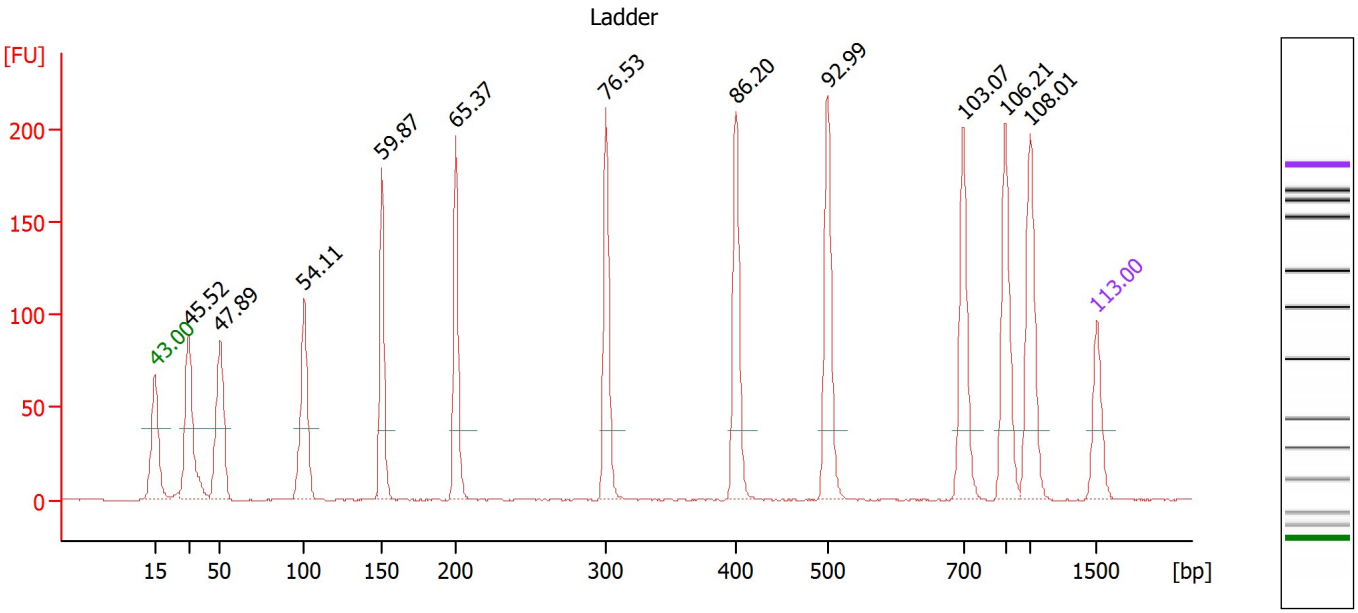
Created: 2/25/2014 3:30:28 PM
Modified: 2/26/2014 3:07:49 PM

Electropherogram Summary



Peak table for Ladder

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1		15	4.20	424.2	Lower Marker
2		25	4.00	242.4	Ladder Peak
3		50	4.00	121.2	Ladder Peak
4		100	4.00	60.6	Ladder Peak
5		150	4.00	40.4	Ladder Peak
6		200	4.00	30.3	Ladder Peak
7		300	4.00	20.2	Ladder Peak
8		400	4.00	15.2	Ladder Peak
9		500	4.00	12.1	Ladder Peak
10		700	4.00	8.7	Ladder Peak
11		850	4.00	7.1	Ladder Peak
12		1,000	4.00	6.1	Ladder Peak
13		1,500	2.10	2.1	Upper Marker

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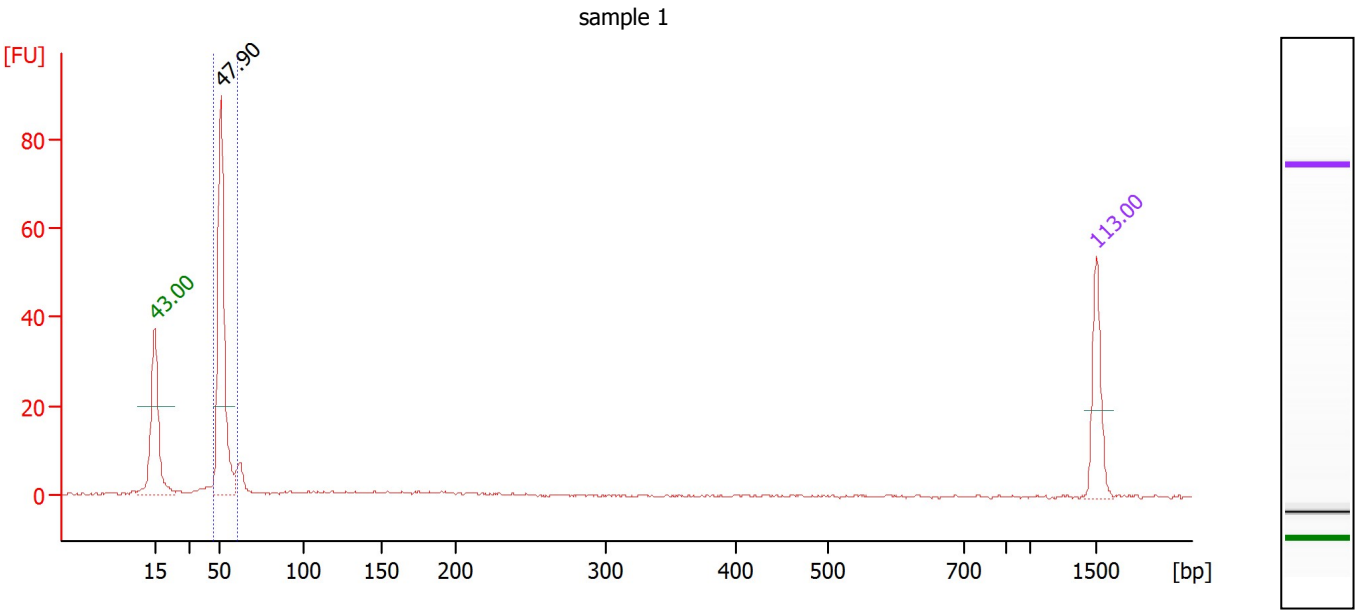
Assay Class: DNA 1000
Data Path: C:\...ads\2100 expert_DNA 1000_DE04103186_2014-02-25_15-30-28.xad

Created: 2/25/2014 3:30:28 PM
Modified: 2/26/2014 3:07:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : sample 1

Number of peaks found:	1	Area 1:	47.4

Peak table for sample 1 : sample 1

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	50	7.34	222.1	
3	1,500	2.10	2.1	Upper Marker

Region table for sample 1 : sample 1

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/µl]	Color
45	60	47.4	54	51	5.0	7.40	

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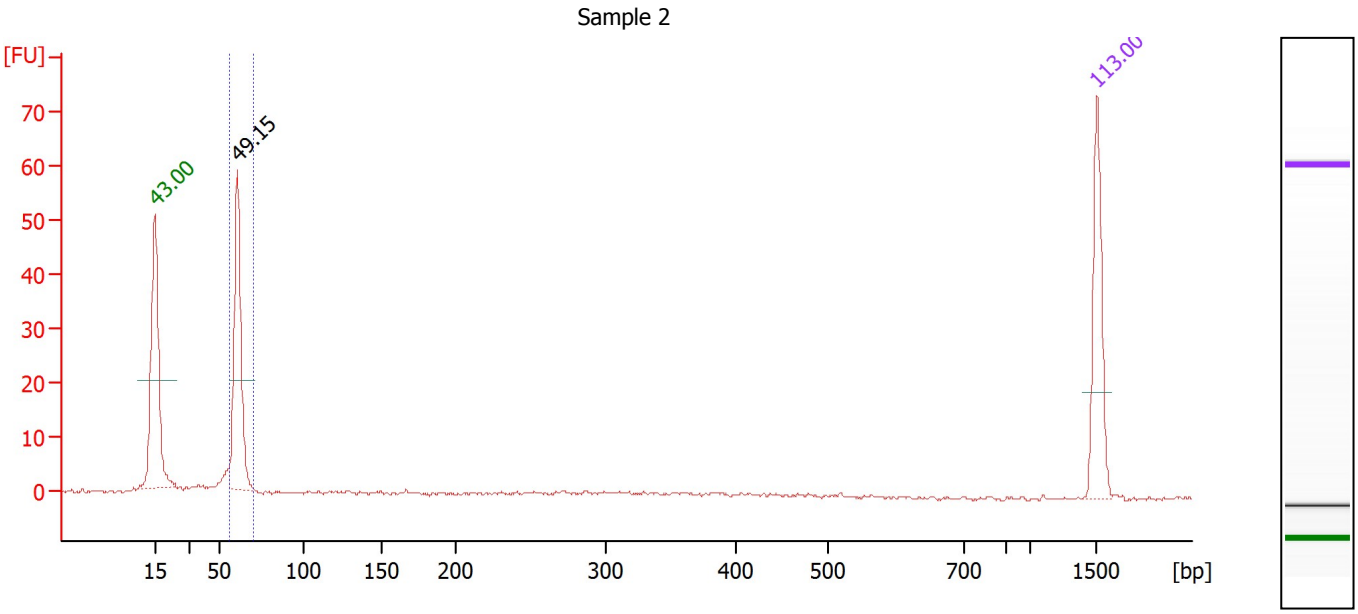
Assay Class: DNA 1000
Data Path: C:\...ads\2100 expert_DNA 1000_DE04103186_2014-02-25_15-30-28.xad

Created: 2/25/2014 3:30:28 PM
Modified: 2/26/2014 3:07:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

Number of peaks found:	1	Area 1:	35.1

Peak table for sample 2 : Sample 2

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	60	3.67	92.6	
3	1,500	2.10	2.1	Upper Marker

Region table for sample 2 : Sample 2

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/µl]	Color
55	70	35.1	58	60	3.9	3.86	

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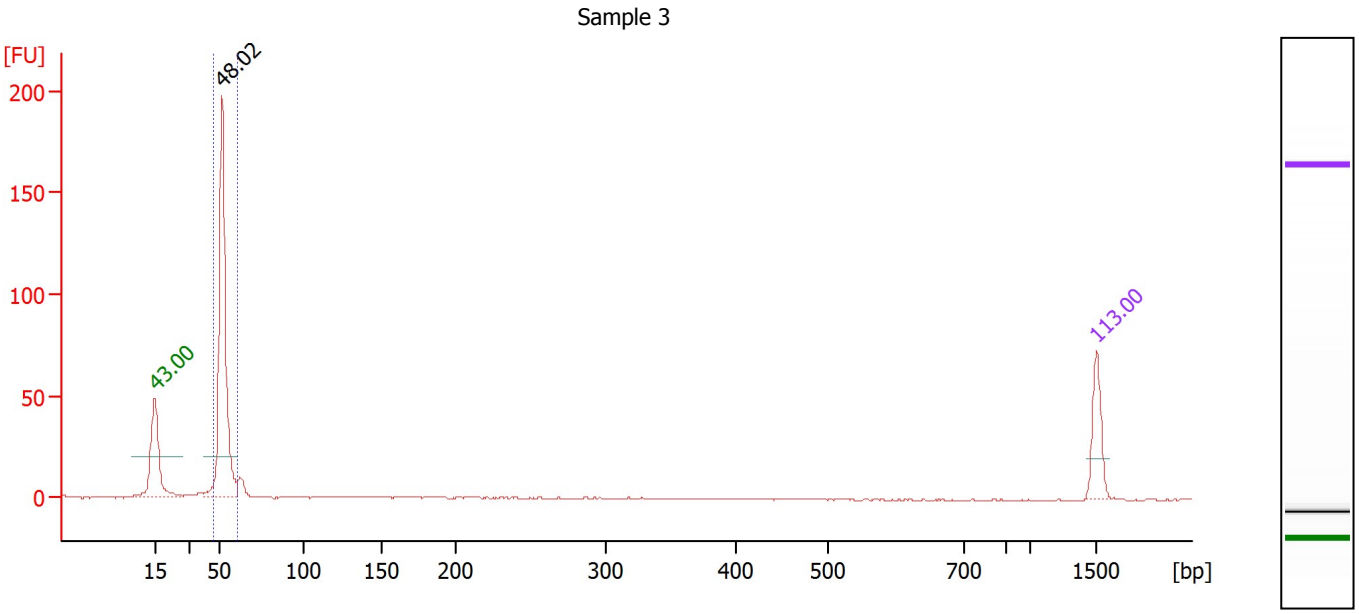
Assay Class: DNA 1000
Data Path: C:\...ads\2100 expert_DNA 1000_DE04103186_2014-02-25_15-30-28.xad

Created: 2/25/2014 3:30:28 PM
Modified: 2/26/2014 3:07:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

Number of peaks found:	1	Area 1:	106.1

Peak table for sample 3 : Sample 3

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	51	12.86	381.4	
3	1,500	2.10	2.1	Upper Marker

Region table for sample 3 : Sample 3

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/µl]	Color
45	60	106.1	81	51	4.6	12.53	

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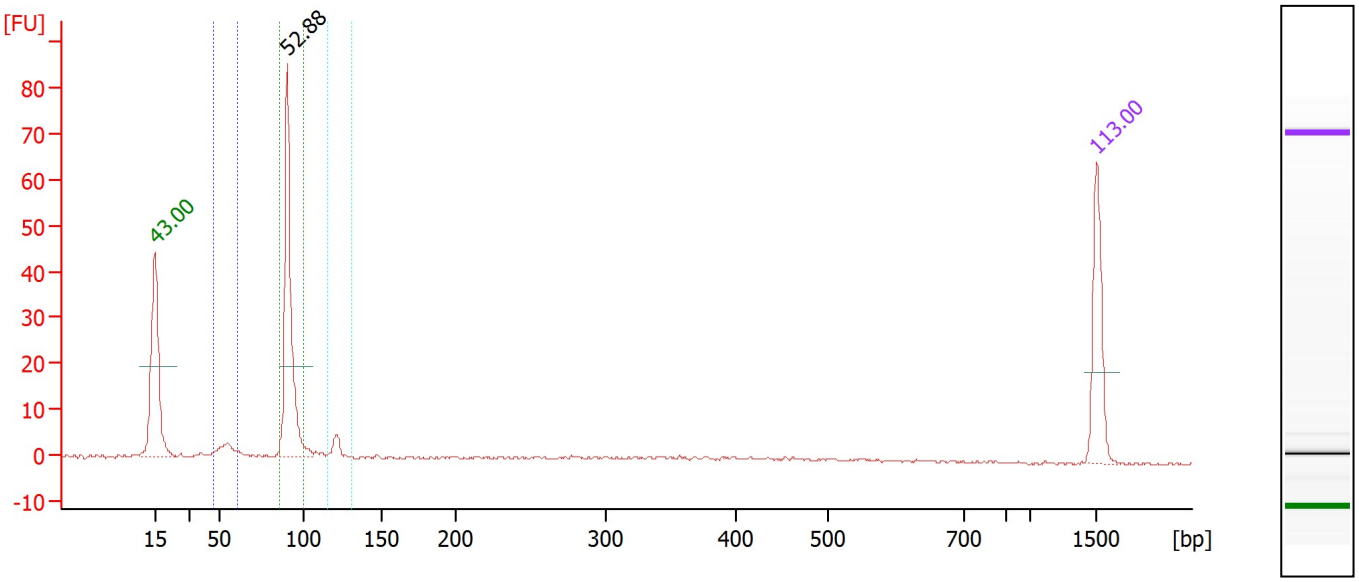
Assay Class: DNA 1000
Data Path: C:\...ads\2100 expert_DNA 1000_DE04103186_2014-02-25_15-30-28.xad

Created: 2/25/2014 3:30:28 PM
Modified: 2/26/2014 3:07:49 PM

Electropherogram Summary Continued ...

Sample 5



Overall Results for sample 4 : Sample 5

Number of peaks found:	1	Area 2:	44.4
Area 1:	3.8	Area 3:	3.5

Peak table for sample 4 : Sample 5

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	90	4.98	83.7	
3	1,500	2.10	2.1	Upper Marker

Region table for sample 4 : Sample 5

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/µl]	Color
45	60	3.8	4	53	7.2	0.48	
85	100	44.4	47	91	2.7	4.92	
115	130	3.5	4	121	2.5	0.37	

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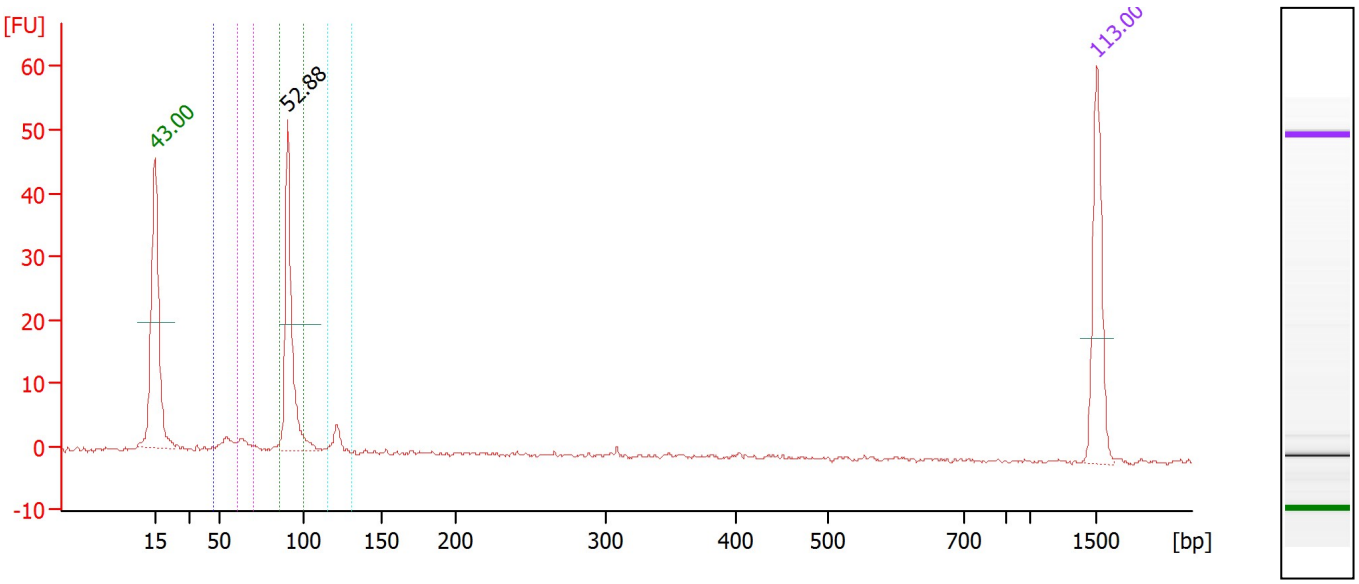
Assay Class: DNA 1000
Data Path: C:\...ads\2100 expert_DNA 1000_DE04103186_2014-02-25_15-30-28.xad

Created: 2/25/2014 3:30:28 PM
Modified: 2/26/2014 3:07:49 PM

Electropherogram Summary Continued ...

Sample 6



Overall Results for sample 5 : Sample 6

Number of peaks found:	1	Area 3:	2.1
Area 1:	1.4	Area 4:	1.2
Area 2:	26.6		

Peak table for sample 5 : Sample 6

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	90	3.18	53.4	
3	1,500	2.10	2.1	Upper Marker

Region table for sample 5 : Sample 6

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/µl]	Color
45	60	1.4	2	54	5.4	0.18	
60	70	1.2	2	64	4.1	0.14	
85	100	26.6	42	91	2.7	2.98	
115	130	2.1	3	121	1.8	0.22	

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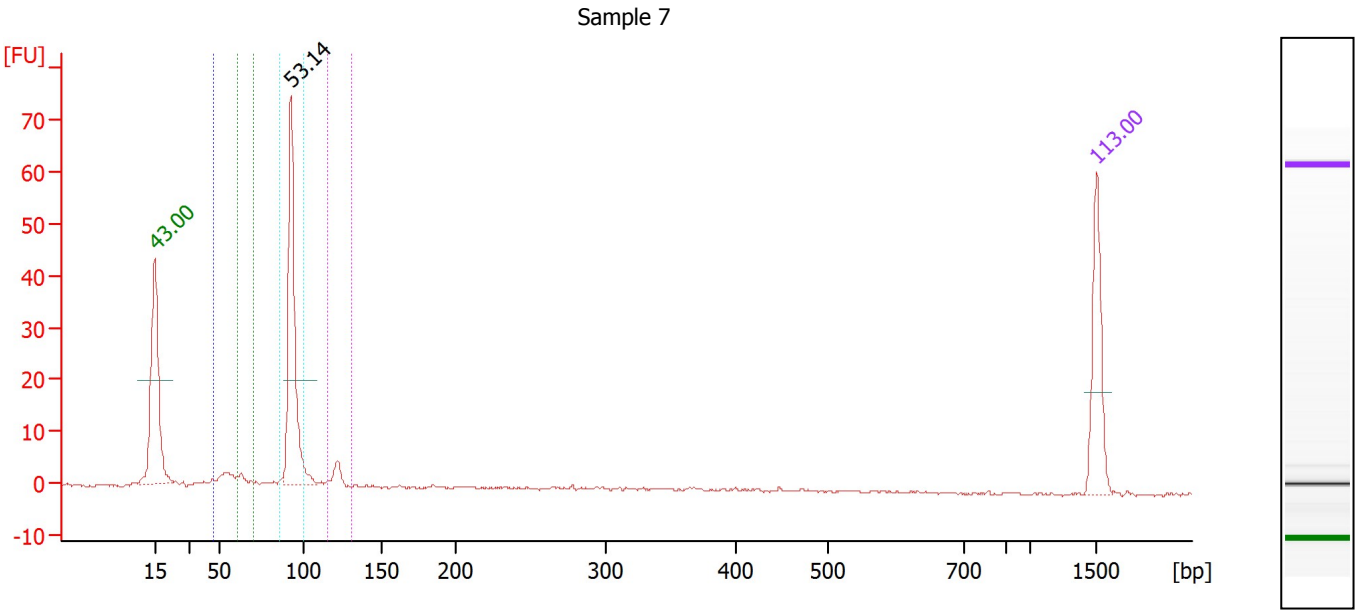
Assay Class: DNA 1000
Data Path: C:\...ads\2100 expert_DNA 1000_DE04103186_2014-02-25_15-30-28.xad

Created: 2/25/2014 3:30:28 PM
Modified: 2/26/2014 3:07:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 7

Number of peaks found:	1	Area 3:	38.6
Area 1:	3.7	Area 4:	3.8
Area 2:	2.1		

Peak table for sample 6 : Sample 7

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	92	4.58	75.1	
3	1,500	2.10	2.1	Upper Marker

Region table for sample 6 : Sample 7

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/µl]	Color
45	60	3.7	4	53	7.4	0.50	
60	70	2.1	2	64	4.4	0.27	
85	100	38.6	38	93	2.5	4.57	
115	130	3.8	4	121	2.6	0.42	

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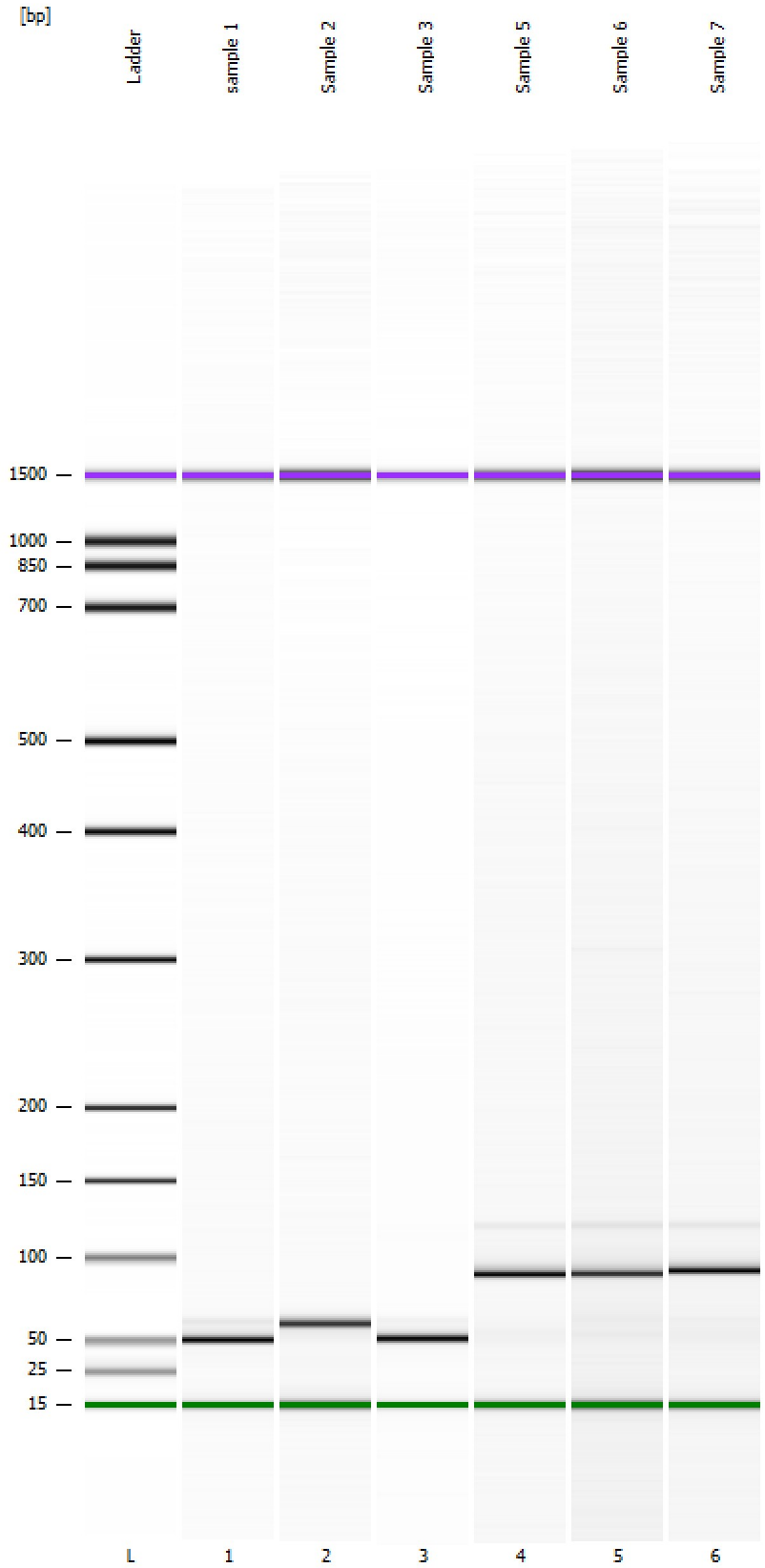
Assay Class: DNA 1000
Data Path: C:\...ads\2100 expert_DNA 1000_DE04103186_2014-02-25_15-30-28.xad

Created: 2/25/2014 3:30:28 PM
Modified: 2/26/2014 3:07:49 PM

Gel Image



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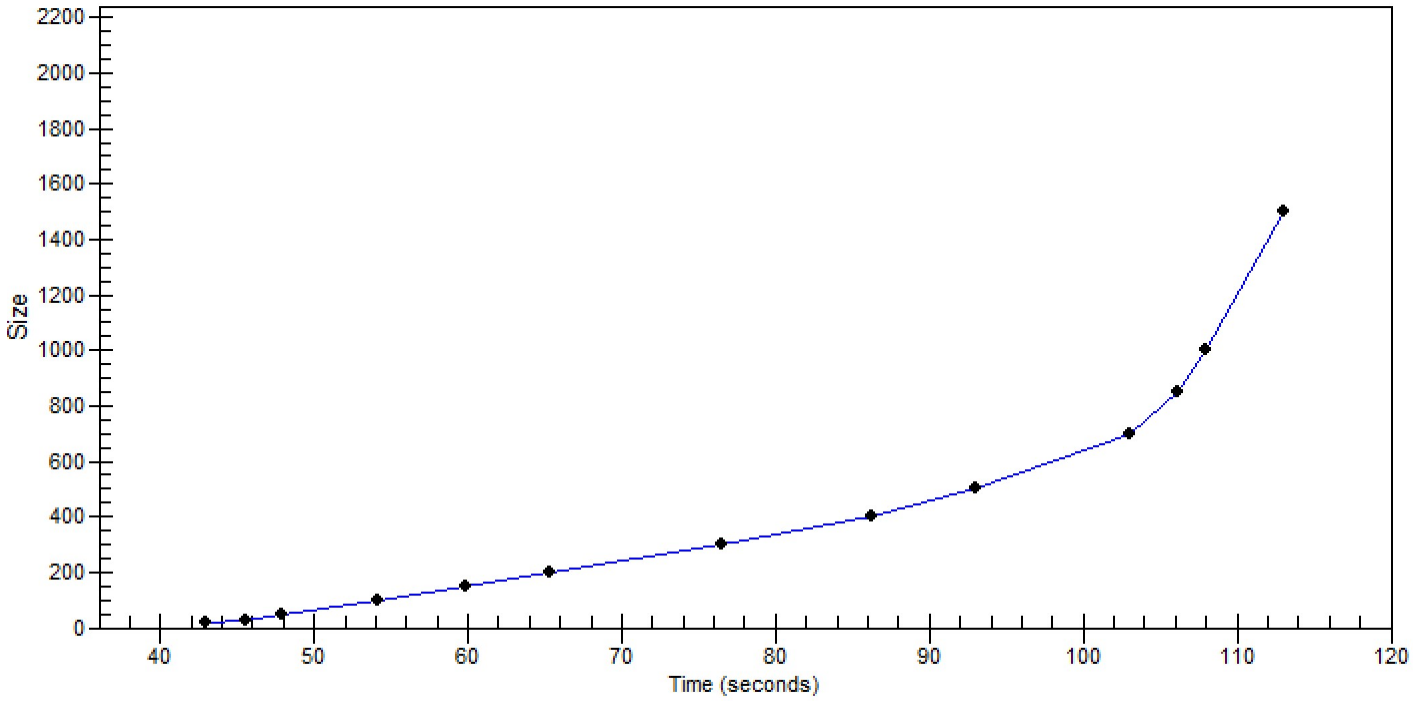
Assay Class: DNA 1000
Data Path: C:\...ads\2100 expert_DNA 1000_DE04103186_2014-02-25_15-30-28.xad

Created: 2/25/2014 3:30:28 PM
Modified: 2/26/2014 3:07:49 PM

Curves

Standard Curve



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Assay Class: DNA 1000 Created: 2/25/2014 3:30:28 PM
Data Path: C:\...ads\2100 expert_DNA 1000_DE04103186_2014-02-25_15-30-28.xad Modified: 2/26/2014 3:07:49 PM

Invalid Samples

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.

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Assay Class: DNA 1000 Created: 2/25/2014 3:30:28 PM
Data Path: C:\...ads\2100 expert_DNA 1000_DE04103186_2014-02-25_15-30-28.xad Modified: 2/26/2014 3:07:49 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 4 (Number of wells acquired: 7)		Instrument	Run		2/25/2014 3:56:14 PM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Run started on port 4 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\Data\2014-02-25\2100 expert_DNA 1000_DE04103186_2014-02-25_15-30-28.xad)		Instrument	Run		2/25/2014 3:30:33 PM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Product Number : G2939A		Instrument	Run		2/25/2014 3:30:33 PM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Name :		Instrument	Run		2/25/2014 3:30:33 PM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Vendor : Agilent Technologies		Instrument	Run		2/25/2014 3:30:33 PM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Serial# : DE04103186		Instrument	Run		2/25/2014 3:30:33 PM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Firmware : C.01.069		Instrument	Run		2/25/2014 3:30:33 PM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Cartridge : Electrode		Instrument	Run		2/25/2014 3:30:33 PM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP

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