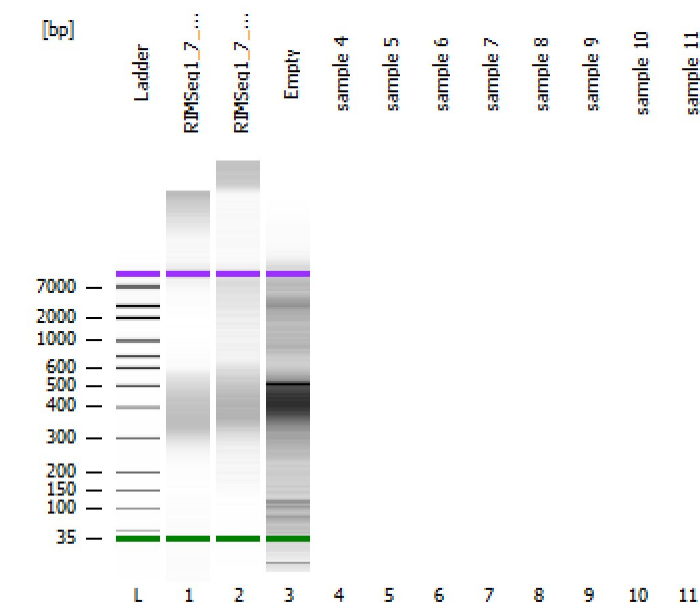


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107881_2021-07-26_14-01-26.xad

Created: 7/26/2021 2:01:26 PM
Modified: 7/26/2021 2:19:54 PM

Electrophoresis File Run Summary



Instrument Information:

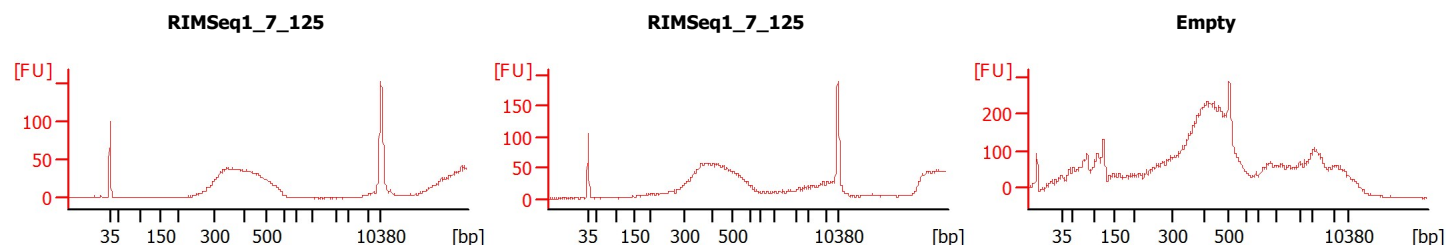
Instrument Name: DE54107881 Firmware: C.01.069
Serial#: DE54107881 Type: G2939A

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:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107881_2021-07-26_14-01-26.xad

Created: 7/26/2021 2:01:26 PM
Modified: 7/26/2021 2:19:54 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
RIMSeq1_7_125		<input type="checkbox"/>	✓			
RIMSeq1_7_125		<input type="checkbox"/>	✓			
Empty		<input type="checkbox"/>	✓			
sample 4		<input type="checkbox"/>				
sample 5		<input type="checkbox"/>				
sample 6		<input type="checkbox"/>				
sample 7		<input type="checkbox"/>				
sample 8		<input type="checkbox"/>				
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			
Chip Lot #			Reagent Kit Lot #			

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107881_2021-07-26_14-01-26.xad

Created: 7/26/2021 2:01:26 PM
Modified: 7/26/2021 2:19:54 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

Created: 7/26/2021 2:01:26 PM
Modified: 7/26/2021 2:19:54 PM



Noise: 0.4

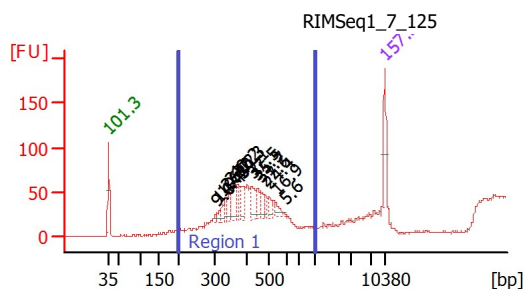
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	 35	125.00	5,411.3	Lower Marker
2	 50	150.00	4,545.5	Ladder Peak
3	 100	150.00	2,272.7	Ladder Peak
4	 150	150.00	1,515.2	Ladder Peak
5	 200	150.00	1,136.4	Ladder Peak
6	 300	150.00	757.6	Ladder Peak
7	 400	150.00	568.2	Ladder Peak
8	 500	150.00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

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE54107881_2021-07-26_14-01-26.xad

Created: 7/26/2021 2:01:26 PM
 Modified: 7/26/2021 2:19:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : RIMSeq1_7_125

Number of peaks found: 15
 Noise: 0.6
 Corr. Area 1: 588.1

Region table for sample 2 : RIMSeq1_7_125

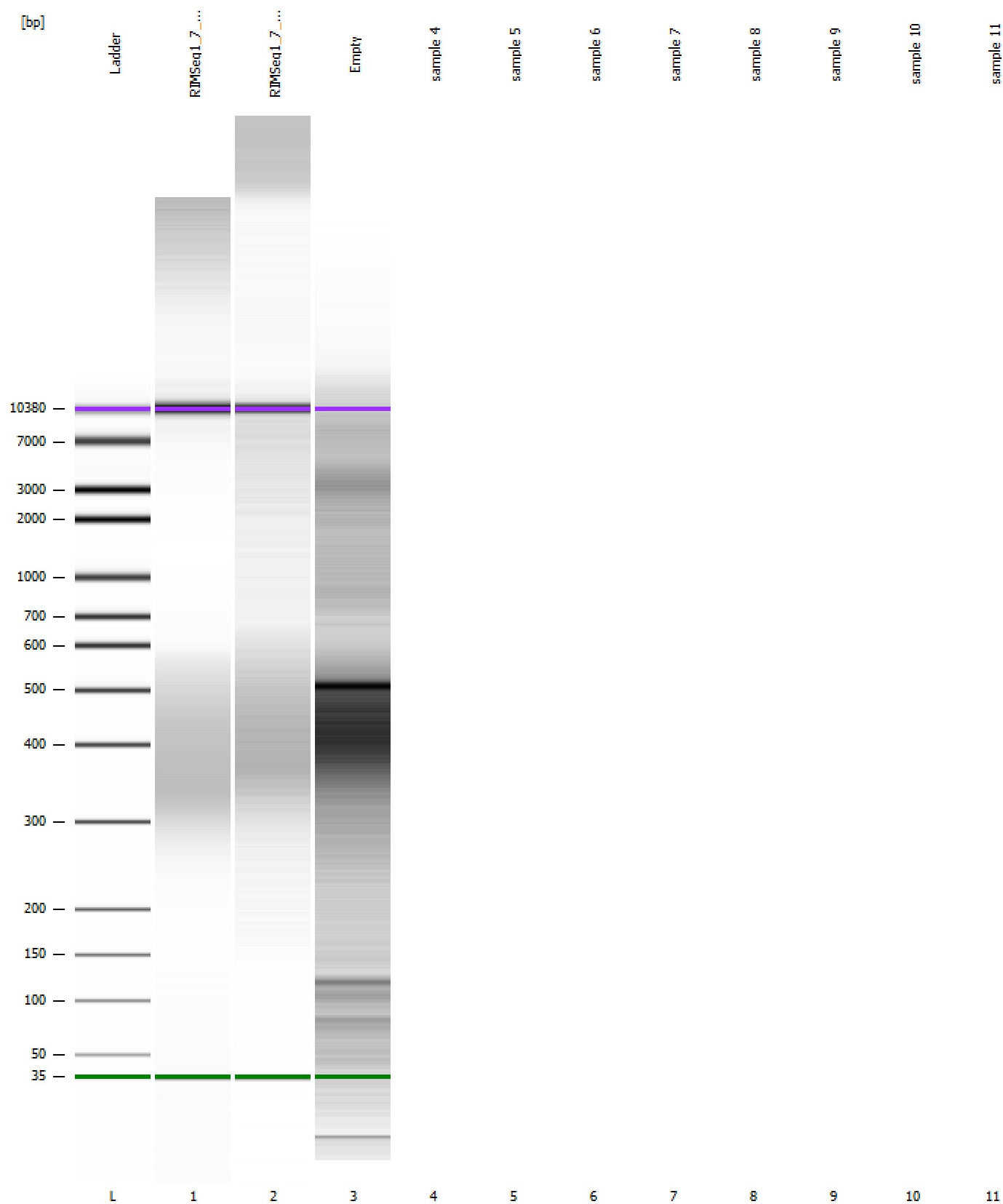
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	588.1	99	415	15.9	594.43	2,240.0	Blue

Peak table for sample 2 :

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	305	8.48	42.2	
3	316	17.19	82.4	
4	325	21.22	98.9	
5	337	28.16	126.6	
6	349	41.04	178.0	
7	362	59.81	250.1	
8	374	35.36	143.4	
9	387	37.80	147.9	
10	427	56.25	199.8	
11	449	38.87	131.2	
12	468	37.32	120.9	
13	485	22.96	71.7	
14	500	31.08	94.2	
15	539	22.05	61.9	
16	588	1.90	4.9	
17	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107881_2021-07-26_14-01-26.xad

Created: 7/26/2021 2:01:26 PM
Modified: 7/26/2021 2:19:54 PM

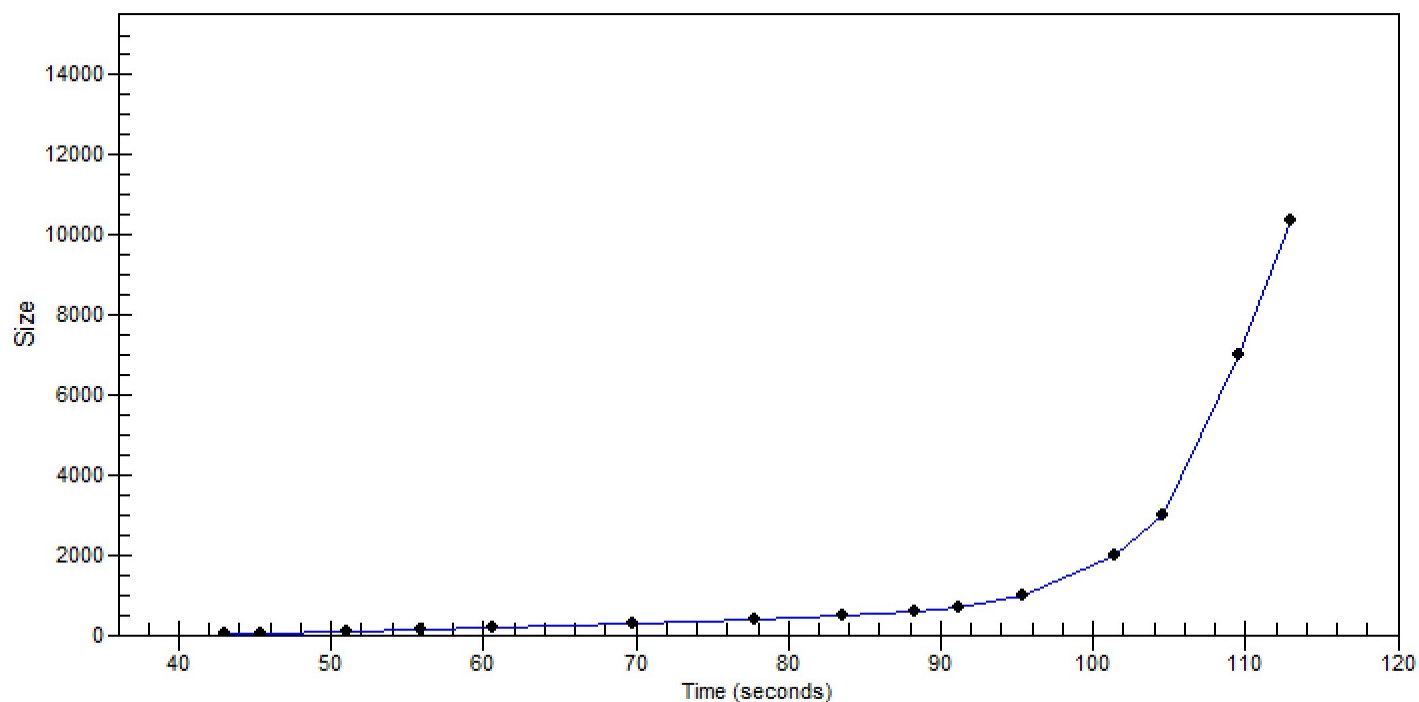
Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107881_2021-07-26_14-01-26.xad

Created: 7/26/2021 2:01:26 PM
Modified: 7/26/2021 2:19:54 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE54107881_2021-07-26_14-01-26.xad

Created: 7/26/2021 2:01:26 PM
 Modified: 7/26/2021 2:19:54 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 4)		Instrument	Run		7/26/2021 2:19:53 PM	(GMT --04:00) Eastern Standard Time	bioanalyzer3w0 24	NEB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2019-02-07\2021-07-26\Fomenkov_072621I_High Sensitivity DNA Assay_DE54107881_2021-07-26_14-01-26.xad)		Instrument	Run		7/26/2021 2:01:32 PM	(GMT --04:00) Eastern Standard Time	bioanalyzer3w0 24	NEB
Product Number : G2939A		Instrument	Run		7/26/2021 2:01:32 PM	(GMT --04:00) Eastern Standard Time	bioanalyzer3w0 24	NEB
Name :		Instrument	Run		7/26/2021 2:01:32 PM	(GMT --04:00) Eastern Standard Time	bioanalyzer3w0 24	NEB
Vendor : Agilent Technologies		Instrument	Run		7/26/2021 2:01:32 PM	(GMT --04:00) Eastern Standard Time	bioanalyzer3w0 24	NEB
Serial# : DE54107881		Instrument	Run		7/26/2021 2:01:32 PM	(GMT --04:00) Eastern Standard Time	bioanalyzer3w0 24	NEB
Firmware : C.01.069		Instrument	Run		7/26/2021 2:01:32 PM	(GMT --04:00) Eastern Standard Time	bioanalyzer3w0 24	NEB
Cartridge : Electrode		Instrument	Run		7/26/2021 2:01:32 PM	(GMT --04:00) Eastern Standard Time	bioanalyzer3w0 24	NEB