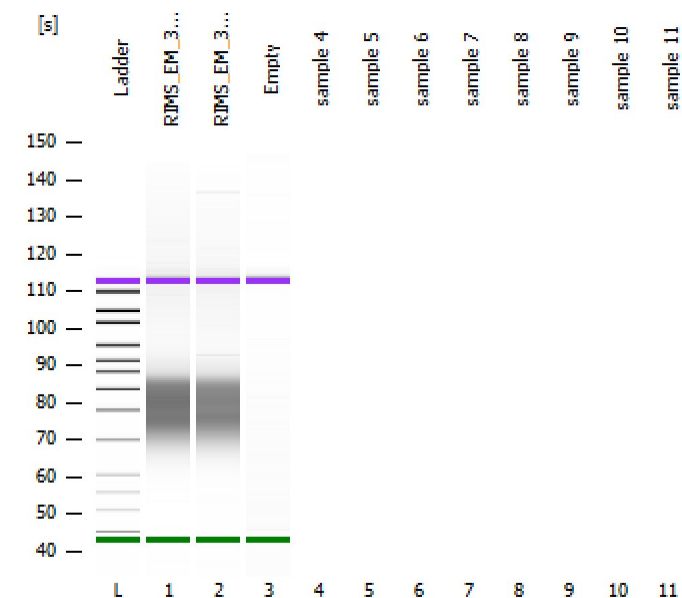


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107881_2021-09-10_13-30-21.xad

Created: 9/10/2021 1:30:21 PM
Modified: 9/10/2021 1:48:49 PM

Electrophoresis File Run Summary



Instrument Information:

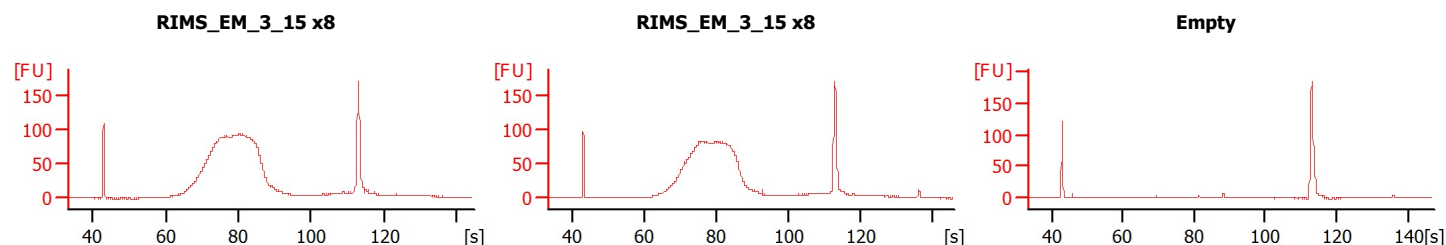
Instrument Name: DE54107881 Firmware: C.01.069
Serial#: DE54107881 Type: G2939A

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_2021-09-10_13-30-21.xad

Created: 9/10/2021 1:30:21 PM
Modified: 9/10/2021 1:48:49 PM

Electrophoresis File Run Summary (Chip Summary)

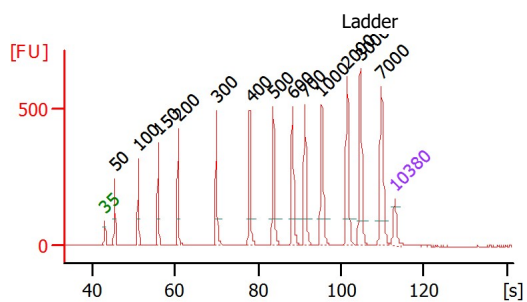
Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
RIMS_EM_3_15 x8		<input type="checkbox"/>	✓			
RIMS_EM_3_15 x8		<input type="checkbox"/>	✓			
Empty		<input type="checkbox"/>	✓			
sample 4		<input type="checkbox"/>				
sample 5		<input type="checkbox"/>				
sample 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_2021-09-10_13-30-21.xad

Created: 9/10/2021 1:30:21 PM
 Modified: 9/10/2021 1:48:49 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.5

Peak table for Ladder

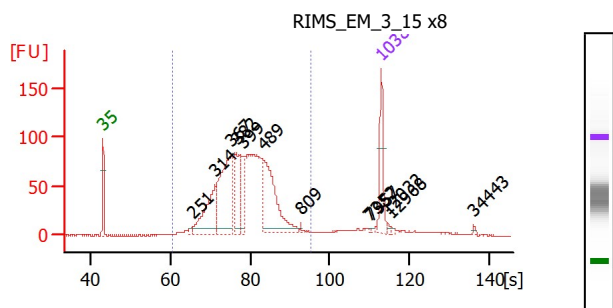
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	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_2021-09-10_13-30-21.xad

Created: 9/10/2021 1:30:21 PM
 Modified: 9/10/2021 1:48:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : RIMS EM 3 15 x8

Number of peaks found: 12
 Noise: 0.4
 Corr. Area 1: 1,778.5

Region table for sample 2 : RIMS EM 3 15 x8

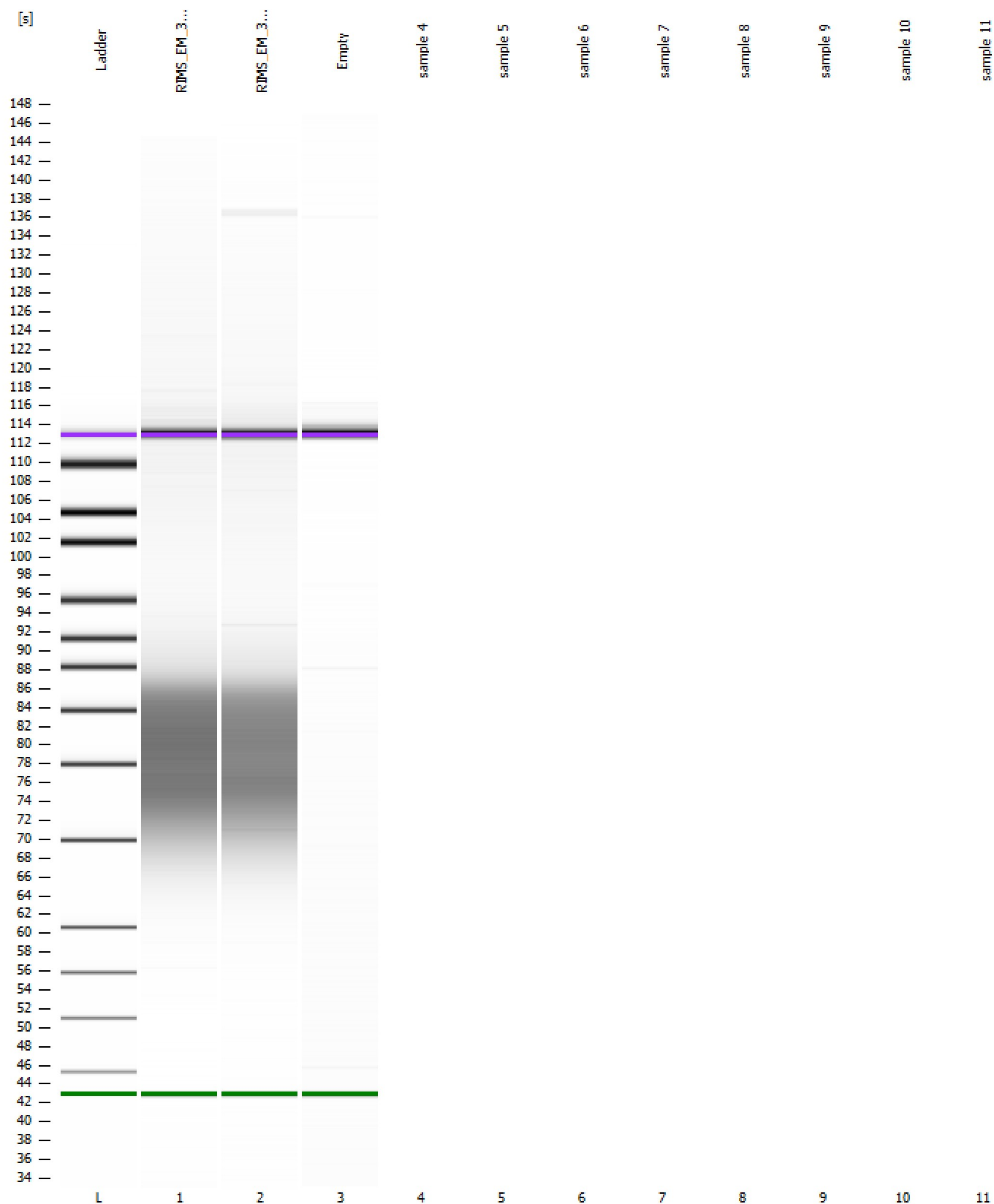
From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.68	95.32	1,778.5	91	425	24.7	1,331.42	5,132.8	Blue

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	251	9.64	58.2	
3	314	161.92	782.4	
4	367	279.28	1,153.0	
5	382	113.95	452.5	
6	399	49.83	189.4	
7	489	254.23	787.4	
8	809	2.82	5.3	
9	7,352	1.67	0.3	
10	7,957	2.34	0.4	
11	10,380	75.00	10.9	Upper Marker
12	12,032	0.00	0.0	
13	12,968	0.00	0.0	
14	34,443	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107881_2021-09-10_13-30-21.xad

Created: 9/10/2021 1:30:21 PM
Modified: 9/10/2021 1:48:49 PM

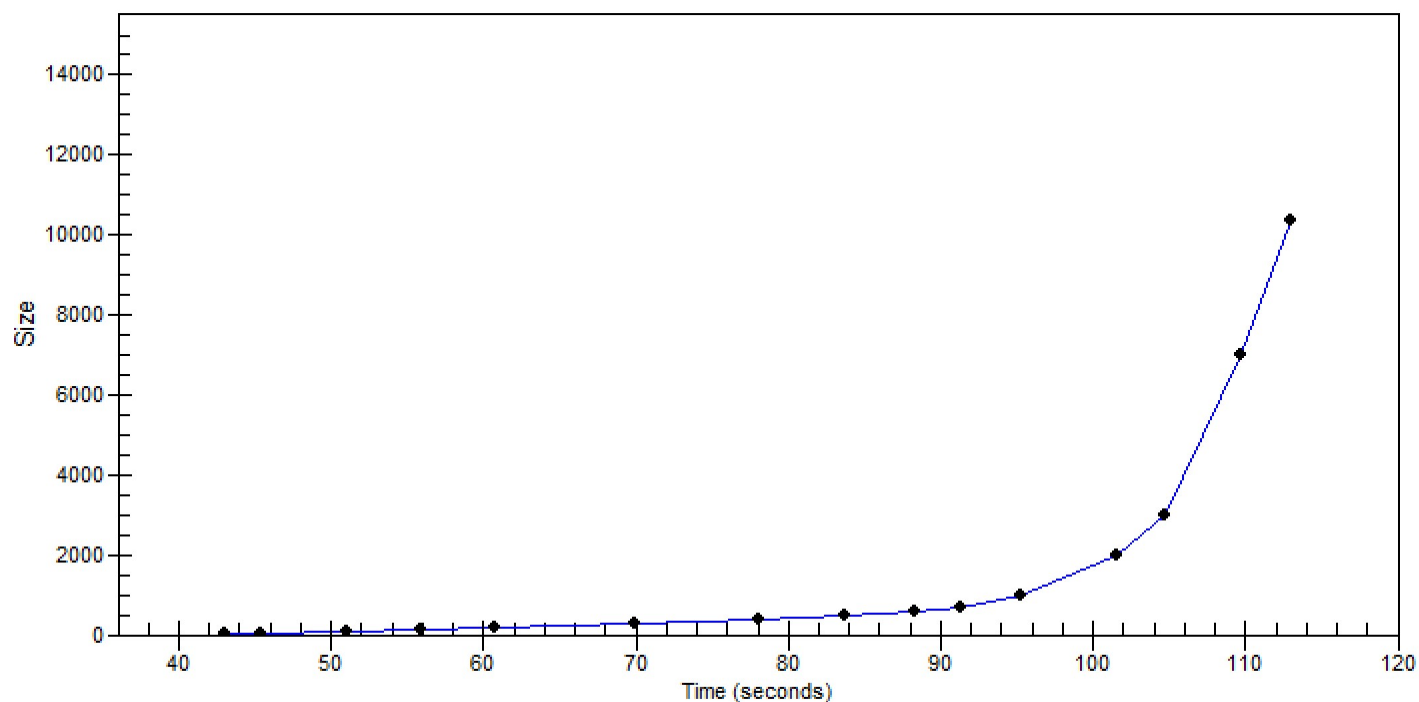
Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107881_2021-09-10_13-30-21.xad

Created: 9/10/2021 1:30:21 PM
Modified: 9/10/2021 1:48:49 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE54107881_2021-09-10_13-30-21.xad

Created: 9/10/2021 1:30:21 PM
 Modified: 9/10/2021 1:48:49 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		9/10/2021 1:48:48 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\2021-09-10\Fomenkov_091021I_High Sensitivity DNA Assay_DE54107881_2021-09-10_13-30-21.xad)		Instrument	Run		9/10/2021 1:30:27 PM	(GMT --04:00) Eastern Standard Time	bioanalyzer3w0 24	NEB
Product Number : G2939A		Instrument	Run		9/10/2021 1:30:27 PM	(GMT --04:00) Eastern Standard Time	bioanalyzer3w0 24	NEB
Name :		Instrument	Run		9/10/2021 1:30:27 PM	(GMT --04:00) Eastern Standard Time	bioanalyzer3w0 24	NEB
Vendor : Agilent Technologies		Instrument	Run		9/10/2021 1:30:27 PM	(GMT --04:00) Eastern Standard Time	bioanalyzer3w0 24	NEB
Serial# : DE54107881		Instrument	Run		9/10/2021 1:30:27 PM	(GMT --04:00) Eastern Standard Time	bioanalyzer3w0 24	NEB
Firmware : C.01.069		Instrument	Run		9/10/2021 1:30:27 PM	(GMT --04:00) Eastern Standard Time	bioanalyzer3w0 24	NEB
Cartridge : Electrode		Instrument	Run		9/10/2021 1:30:27 PM	(GMT --04:00) Eastern Standard Time	bioanalyzer3w0 24	NEB