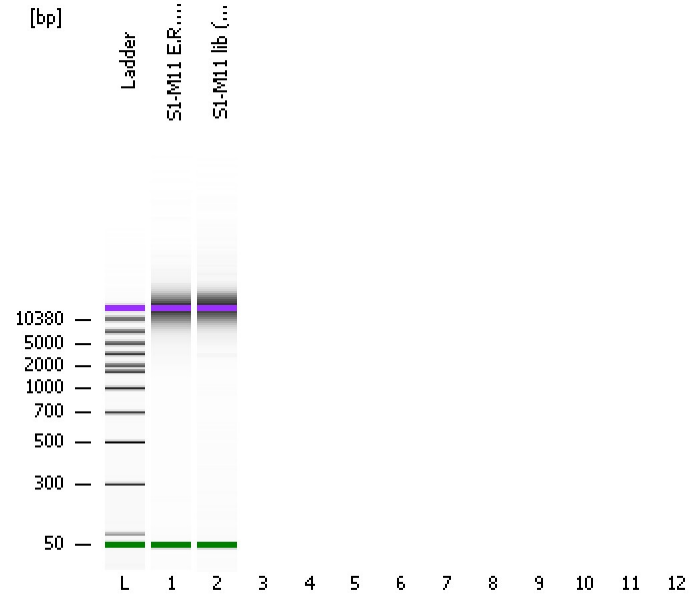
Assay Class: DNA 12000 Laddering
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11_004.xad

Created: 7/11/2014 1:25:32 PM
Modified: 7/11/2014 1:49:20 PM

Electrophoresis File Run Summary



Instrument Information:

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

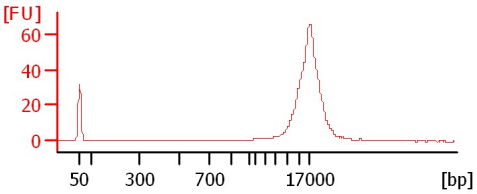
Assay Information:

Assay Origin Path:	C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 12000 Laddering Series II.xsy
Assay Class:	DNA 12000 Laddering
Version:	2.3
Assay Comments:	DNA 12000 Laddering DNA 12000 assay for nucleosomal fragmentation analysis in apoptotic cells.

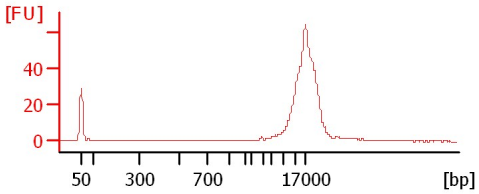
Chip Information:

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

S1-M11 E.R. (1:3)



S1-M11 lib (1:2)



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Modified: 7/11/2014 1:49:20 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
S1-M11 E.R. (1:3)		☐	✔			
S1-M11 lib (1:2)		☐	✔			
		☐				
		☐				
		☐				
		☐				
		☐				
		☐				
		☐				
		☐				
		☐				
		☐				
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

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Assay Class: DNA 12000 Laddering
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Modified: 7/11/2014 1:49:20 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 26
Maximum Visible Range [s] : 99
Start Analysis Time Range [s] : 26
End Analysis Time Range [s] : 99
Ladder Concentration [ng/µl] : 44
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [ng/µl] : 8.3
Upper Marker Concentration [ng/µl] : 4.2
Used Upper Marker for Quantitation
This is a Qualitative Assay Only
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 26
Integration End Time [s] : 99
Slope Threshold : 0.5
Height Threshold [FU] : 0.1
Area Threshold : 0
Width Threshold [s] : 0.5
Baseline Plateau [s] : 1

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 1

Ladder

Ladder Peak	Size	Area
1	50	120
2	100	48
3	300	61
4	500	77
5	700	81
6	1000	86
7	1500	92
8	2000	92
9	3000	96
10	5000	100
11	7000	98
12	10380	102
13	17000	100

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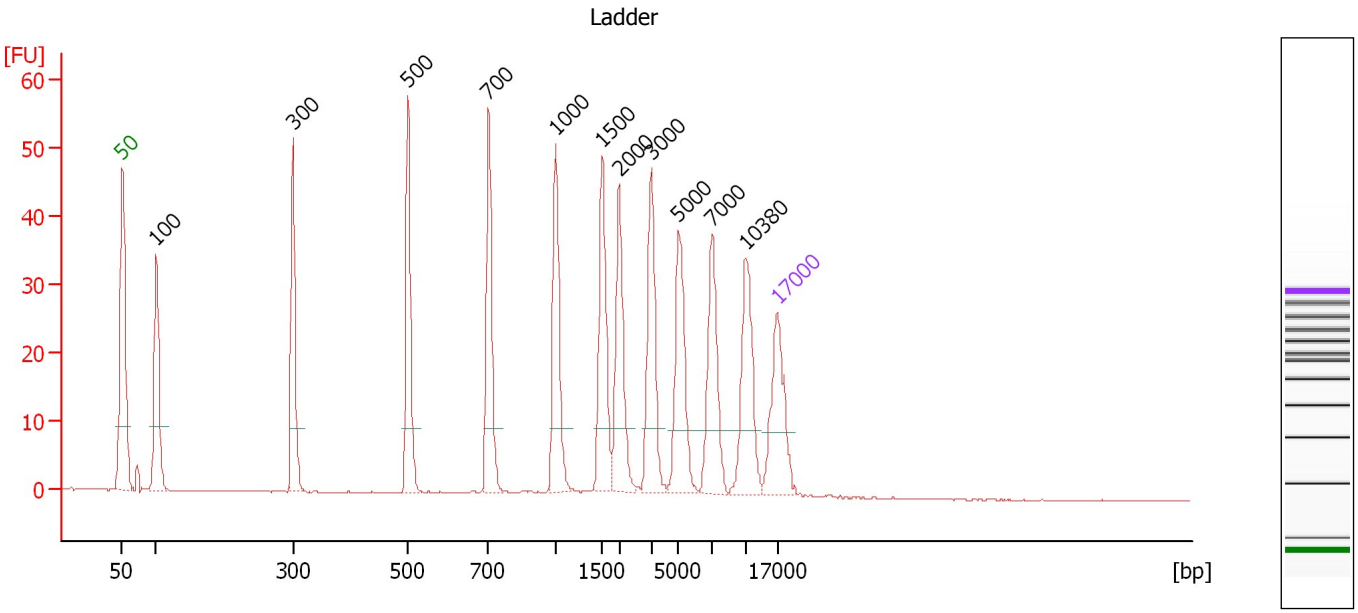
Modified: 7/11/2014 1:49:20 PM

Electropherogram Summary



Peak table for Ladder

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	100	4.00	60.6	Ladder Peak
3	300	4.00	20.2	Ladder Peak
4	500	4.00	12.1	Ladder Peak
5	700	4.00	8.7	Ladder Peak
6	1,000	4.00	6.1	Ladder Peak
7	1,500	4.00	4.0	Ladder Peak
8	2,000	4.00	3.0	Ladder Peak
9	3,000	4.00	2.0	Ladder Peak
10	5,000	4.00	1.2	Ladder Peak
11	7,000	4.00	0.9	Ladder Peak
12	10,380	4.00	0.6	Ladder Peak
13	17,000	4.20	0.4	Upper Marker

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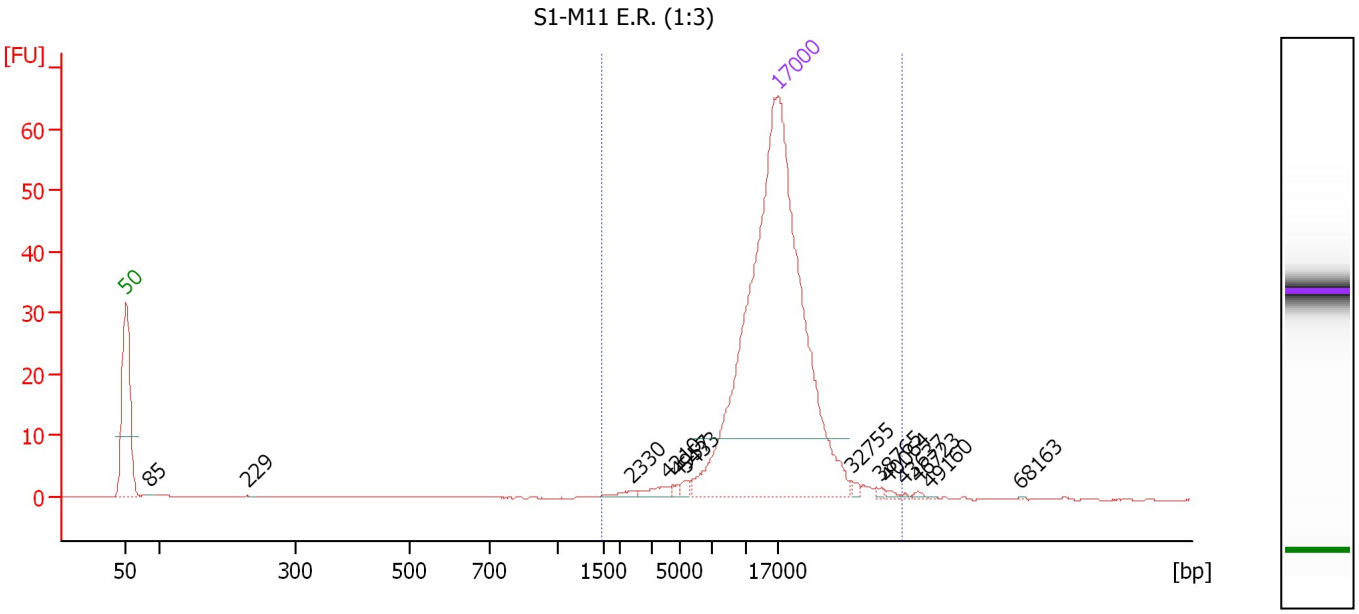
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11_004.xad

Created: 7/11/2014 1:25:32 PM
Modified: 7/11/2014 1:49:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : S1-M11 E.R. (1:3)

Number of peaks found:	6	Area 1:	13.3

Peak table for sample 1 : S1-M11 E.R. (1:3)

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	85	0.00	0.1	
3	229	0.00	0.0	
4	2,330	0.02	0.0	
5	4,210	0.04	0.0	
6	4,957	0.01	0.0	
7	5,433	0.03	0.0	
8	17,000	4.20	0.4	Upper Marker
9	32,755	0.00	0.0	
10	38,765	0.00	0.0	
11	40,064	0.00	0.0	
12	43,637	0.00	0.0	
13	46,723	0.00	0.0	
14	49,160	0.00	0.0	
15	68,163	0.00	0.0	

Region table for sample 1 : S1-M11 E.R. (1:3)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/µl]	Col Area or	% of Total	Size distribution in CV [%]
1,475	43,050	16,678	0.22	13.3	84	38.7

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Assay Class: DNA 12000 Laddering
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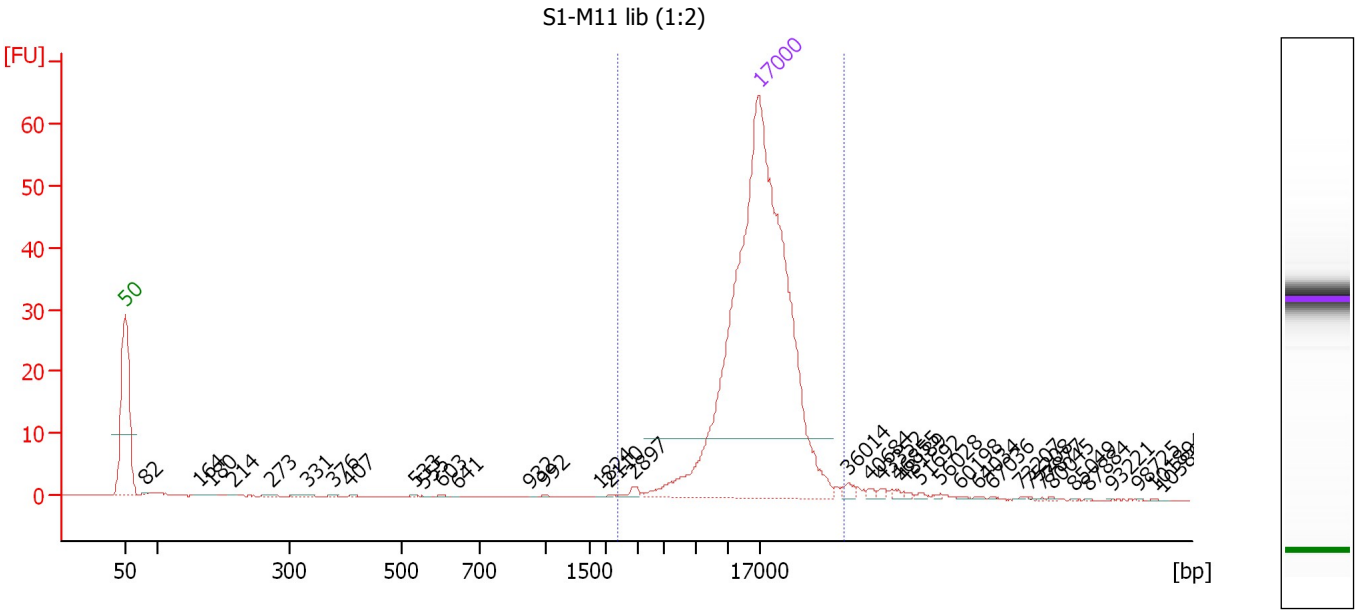
Created: 7/11/2014 1:25:32 PM
Modified: 7/11/2014 1:49:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : S1-M11 lib (1:2)

Number of peaks found:	17	Area 1:	2.6

Peak table for sample 2 : S1-M11 lib (1:2)

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	82	0.00	0.0	
3	164	0.00	0.0	
4	180	0.00	0.0	
5	214	0.00	0.0	
6	273	0.00	0.0	
7	331	0.01	0.0	
8	376	0.00	0.0	
9	407	0.00	0.0	
10	533	0.00	0.0	
11	555	0.00	0.0	
12	603	0.00	0.0	
13	641	0.00	0.0	
14	932	0.00	0.0	
15	992	0.00	0.0	
16	1,824	0.00	0.0	
17	2,110	0.00	0.0	
18	2,897	0.02	0.0	
19	17,000	4.20	0.4	Upper Marker
20	36,014	0.00	0.0	
21	40,684	0.00	0.0	
22	43,352	0.00	0.0	
23	46,855	0.00	0.0	
24	48,189	0.00	0.0	
25	51,692	0.00	0.0	
26	56,028	0.00	0.0	
27	60,198	0.00	0.0	

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Created: 7/11/2014 1:25:32 PM
Modified: 7/11/2014 1:49:20 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : S1-M11 lib (1:2)

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
28	64,034	0.00	0.0	
29	67,036	0.00	0.0	
30	73,207	0.00	0.0	
31	75,208	0.00	0.0	
32	77,877	0.00	0.0	
33	80,045	0.00	0.0	
34	85,049	0.00	0.0	
35	87,884	0.00	0.0	
36	93,221	0.00	0.0	
37	98,725	0.00	0.0	
38	101,894	0.00	0.0	
39	103,896	0.00	0.0	

Region table for sample 2 : S1-M11 lib (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/µl]	Col Area or	% of Total	Size distribution in CV [%]
2,351	35,090	17,000	0.04	2.6	16	34.2

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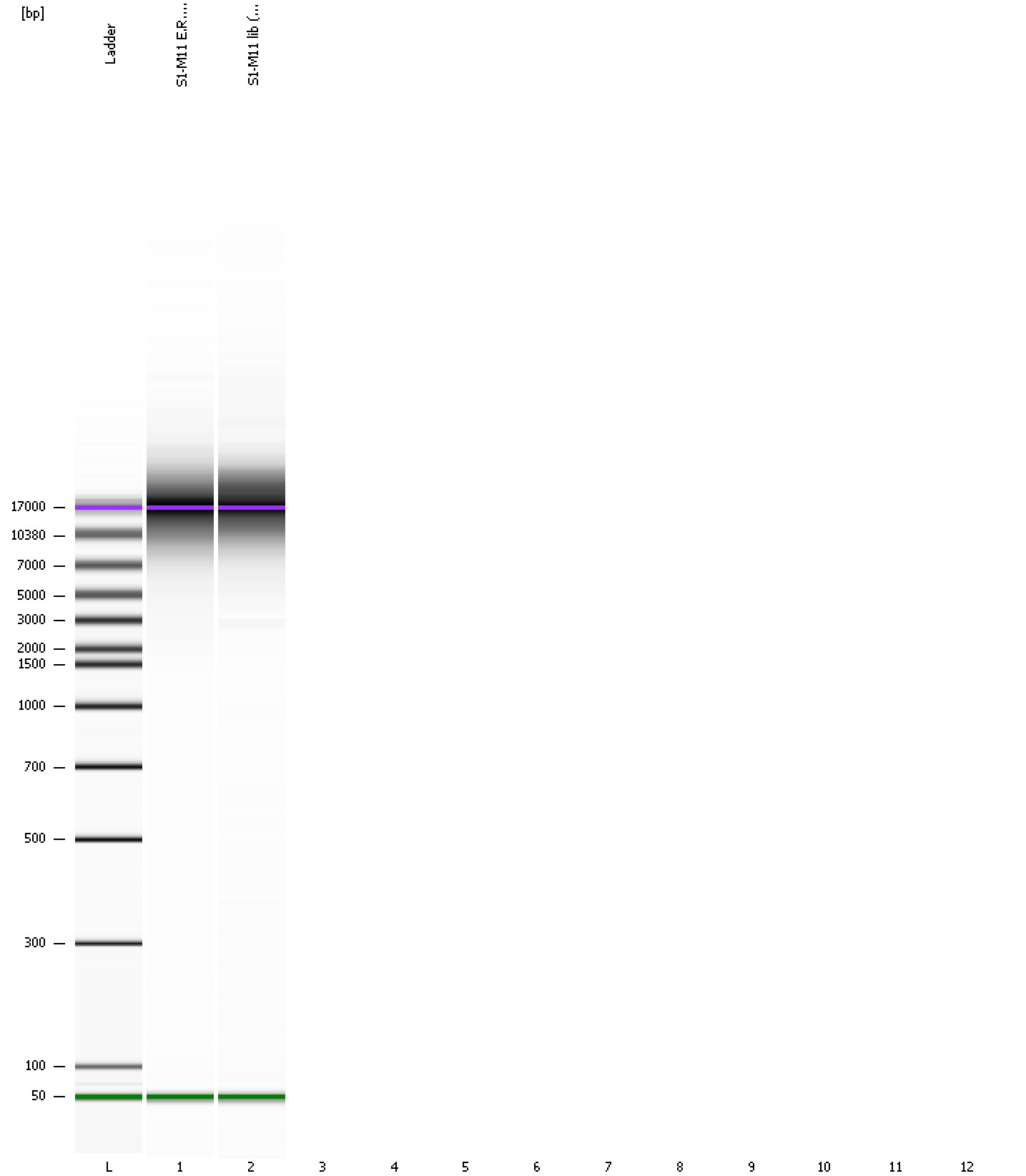
Gel Image



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Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11_004.xad Modified: 7/11/2014 1:49:20 PM

Invalid Samples

Sample 3 has not been run, no results available.

Sample 4 has not been run, no results available.

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

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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Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 3)		Instrument	Run		7/11/2014 1:39:16 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2014-07-11\2014-07-11_004.xad)		Instrument	Run		7/11/2014 1:25:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		7/11/2014 1:25:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/11/2014 1:25:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/11/2014 1:25:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		7/11/2014 1:25:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/11/2014 1:25:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/11/2014 1:25:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1

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