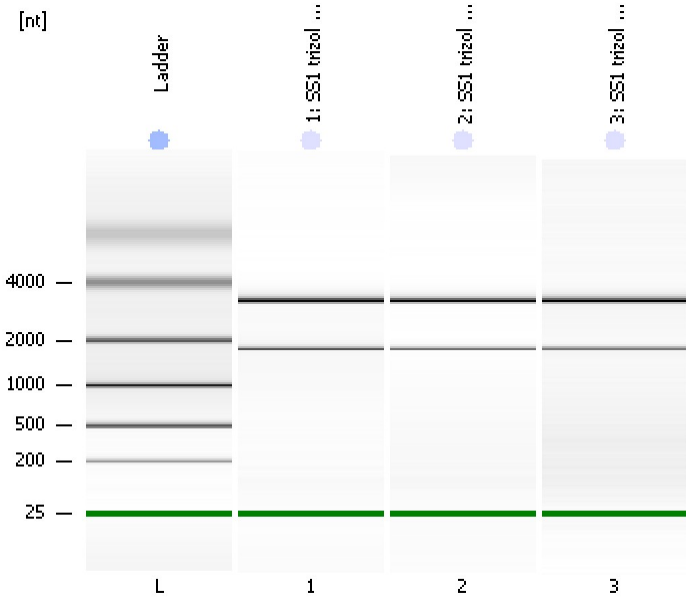


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2016-11-03\2016-11-03_004_QC133.xad

Created: 11/3/2016 3:10:49 PM
Modified: 11/3/2016 4:01:34 PM

Electrophoresis File Run Summary



Instrument Information:

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

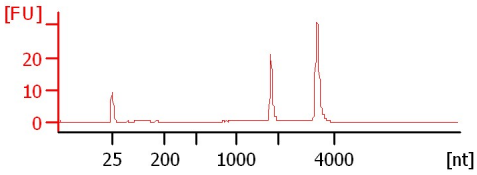
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
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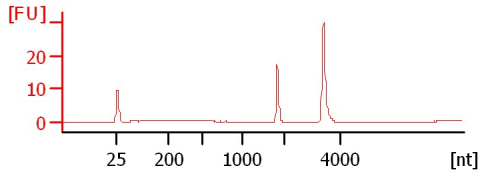
Chip Information:

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

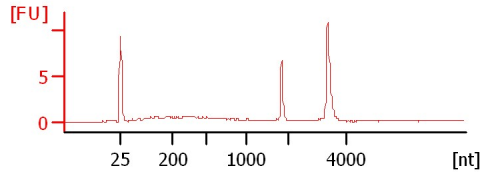
1: SS1 trizol extract 1
RIN: 9.30



2: SS1 trizol extract 2
RIN: 9.50



3: SS1 trizol extract 3
RIN: 8.30



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...alyzer\2100 expert\data\2016-11-03\2016-11-03_004_QC133.xad

Created: 11/3/2016 3:10:49 PM
 Modified: 11/3/2016 4:01:34 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1: SS1 trizol extract 1		✓	RIN: 9.30	
2: SS1 trizol extract 2		✓	RIN: 9.50	
3: SS1 trizol extract 3		✓	RIN: 8.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2016-11-03\2016-11-03_004_QC133.xad

Created: 11/3/2016 3:10:49 PM
Modified: 11/3/2016 4:01:34 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

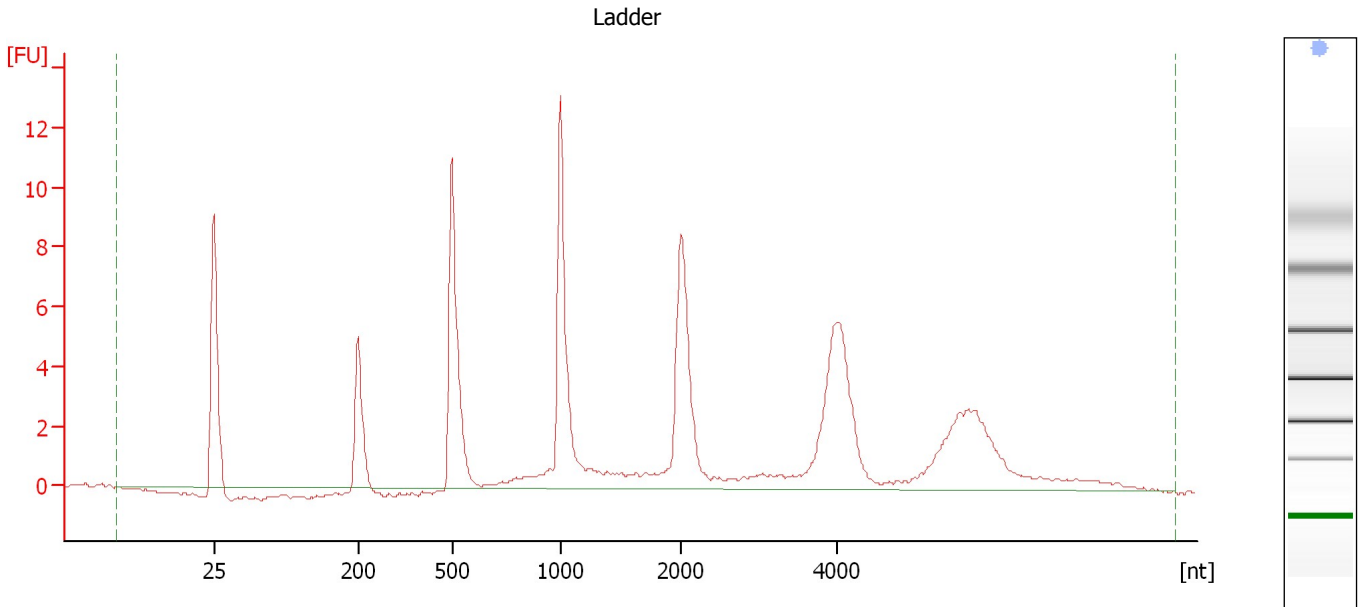
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2016-11-03\2016-11-03_004_QC133.xad

Created: 11/3/2016 3:10:49 PM
Modified: 11/3/2016 4:01:34 PM

Electropherogram Summary



Overall Results for Ladder

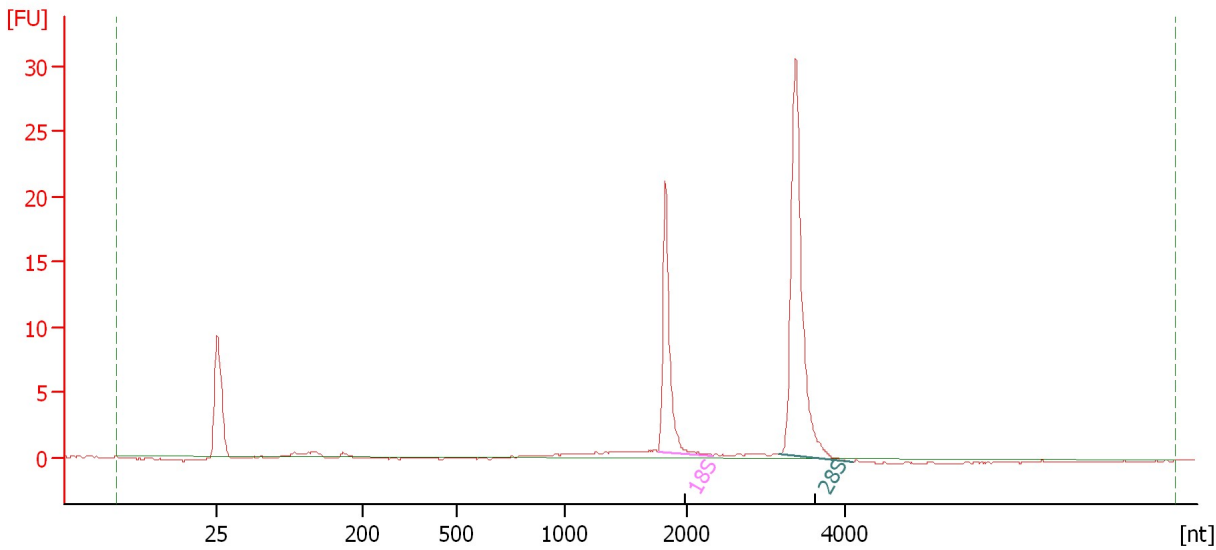
RNA Area:	92.3	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2016-11-03\2016-11-03_004_QC133.xad

Created: 11/3/2016 3:10:49 PM
Modified: 11/3/2016 4:01:34 PM

Electropherogram Summary Continued ...

1: SS1 trizol extract 1



Overall Results for sample 1 : 1: SS1 trizol extract 1

RNA Area: 65.7 RNA Integrity Number (RIN): 9.3 (B.02.08)
RNA Concentration: 107 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN: 9.30

Fragment table for sample 1 : 1: SS1 trizol extract 1

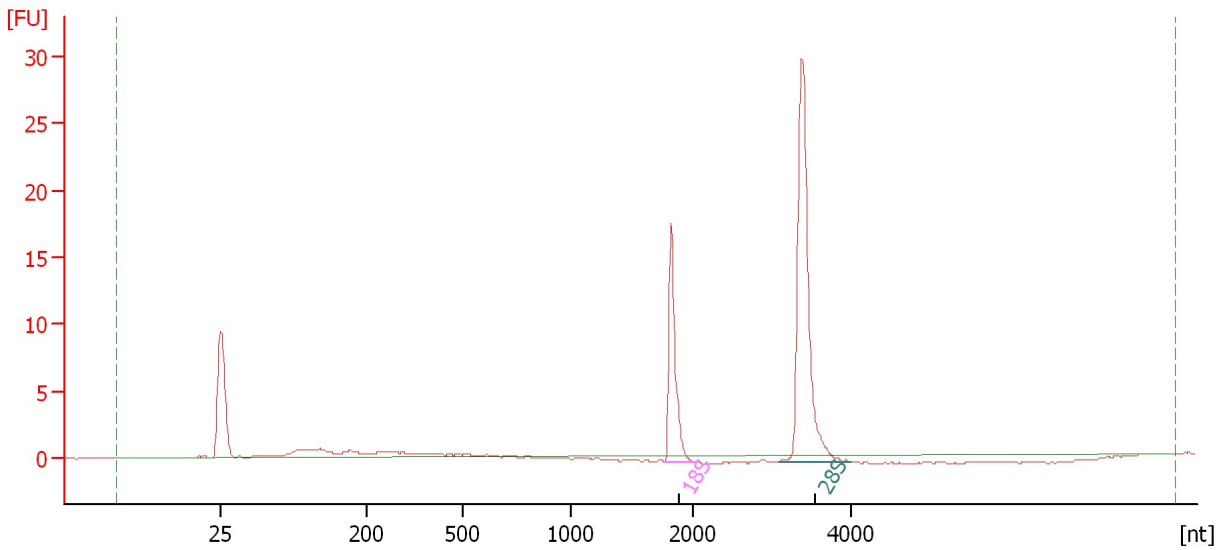
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,764	2,330	16.8	25.6
28S	3,174	4,113	35.8	54.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2016-11-03\2016-11-03_004_QC133.xad

Created: 11/3/2016 3:10:49 PM
Modified: 11/3/2016 4:01:34 PM

Electropherogram Summary Continued ...

2: SS1 trizol extract 2



Overall Results for sample 2 : 2: SS1 trizol extract 2

RNA Area: 51.7 RNA Integrity Number (RIN): 9.5 (B.02.08)
RNA Concentration: 84 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.4 Result Flagging Label: RIN: 9.50

Fragment table for sample 2 : 2: SS1 trizol extract 2

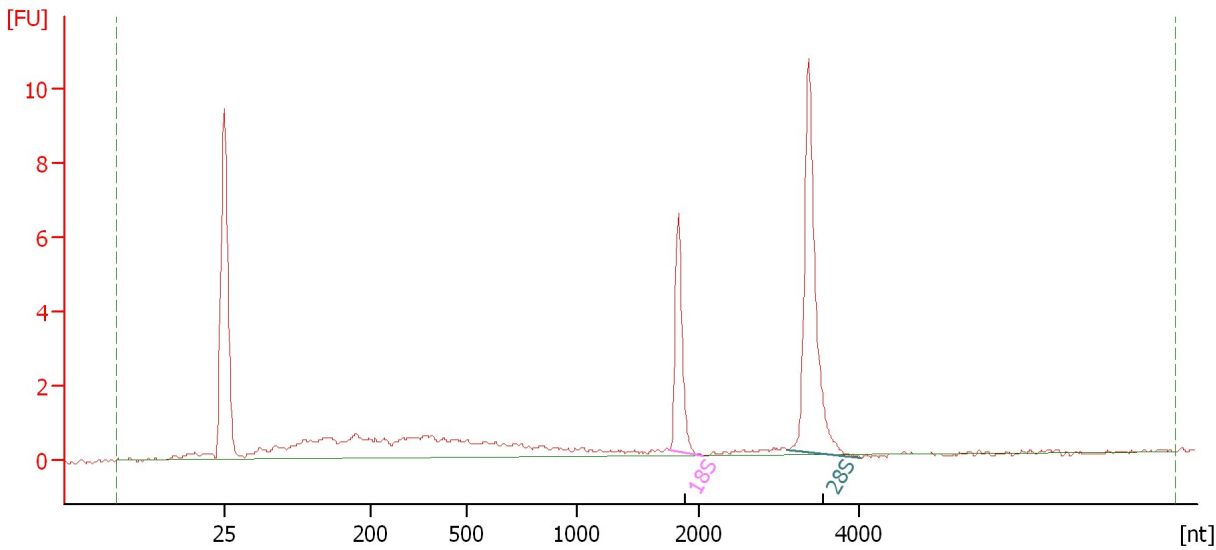
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,768	2,020	13.8	26.8
28S	3,089	3,996	32.8	63.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2016-11-03\2016-11-03_004_QC133.xad

Created: 11/3/2016 3:10:49 PM
Modified: 11/3/2016 4:01:34 PM

Electropherogram Summary Continued ...

3: SS1 trizol extract 3



Overall Results for sample 3 : 3: SS1 trizol extract 3

RNA Area: 41.3 RNA Integrity Number (RIN): 8.3 (B.02.08)
RNA Concentration: 67 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.4 Result Flagging Label: RIN: 8.30

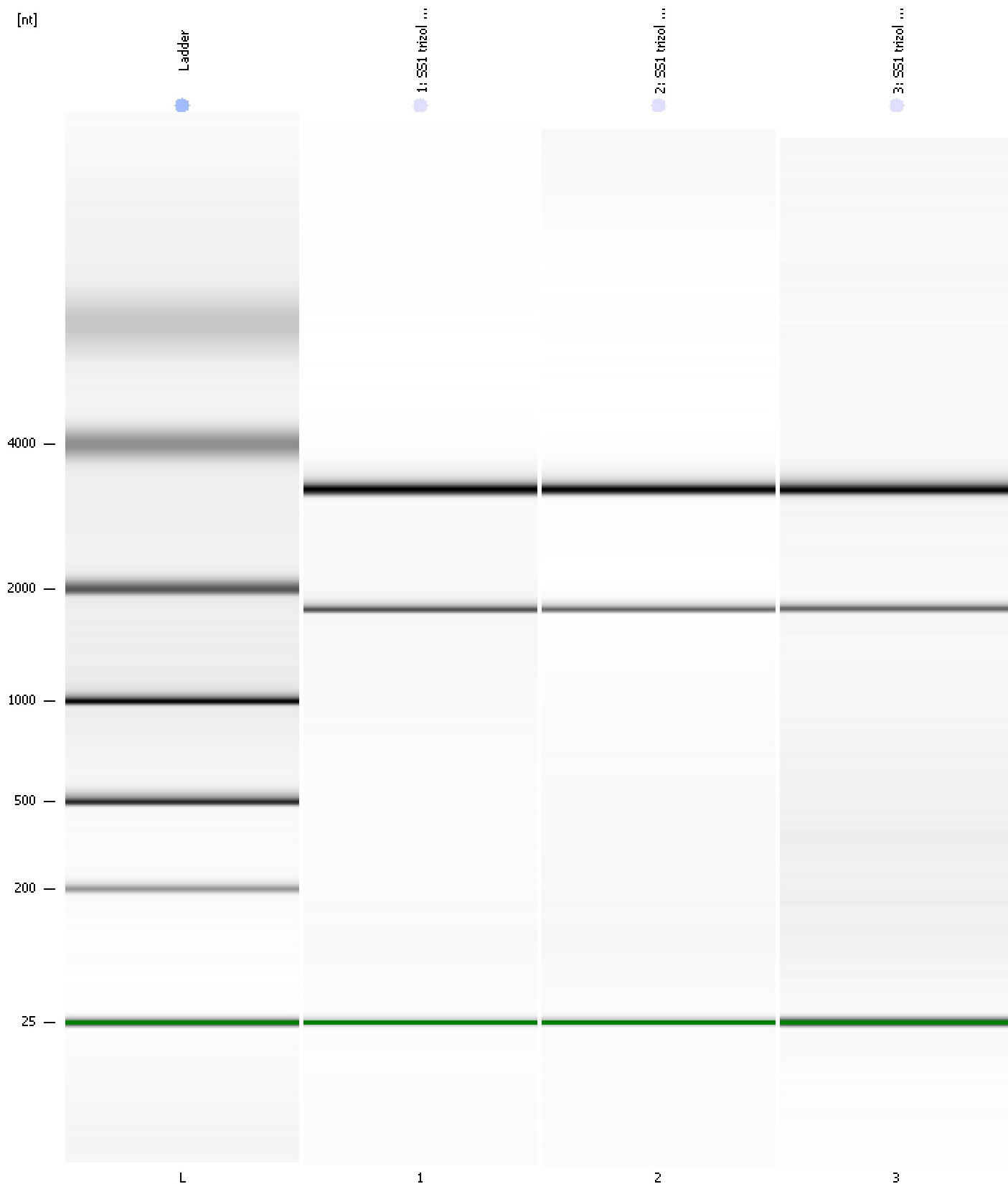
Fragment table for sample 3 : 3: SS1 trizol extract 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,755	2,037	5.1	12.3
28S	3,100	4,041	12.2	29.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2016-11-03\2016-11-03_004_QC133.xad

Created: 11/3/2016 3:10:49 PM
Modified: 11/3/2016 4:01:34 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...alyzer\2100 expert\data\2016-11-03\2016-11-03_004_QC133.xad

Created: 11/3/2016 3:10:49 PM
 Modified: 11/3/2016 4:01:34 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		11/3/2016 3:34:37 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\2016-11-03\2016-11-03_004.xad)		Instrument	Run		11/3/2016 3:10:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/3/2016 3:10:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/3/2016 3:10:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/3/2016 3:10:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/3/2016 3:10:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/3/2016 3:10:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/3/2016 3:10:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1