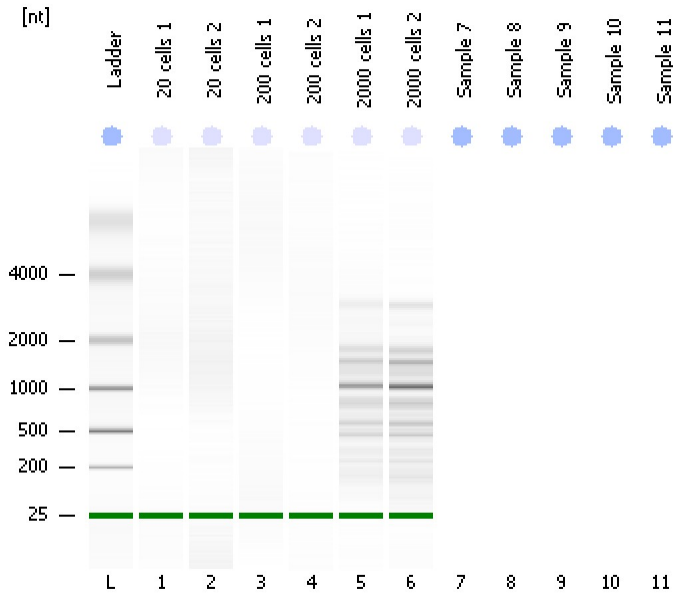


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-15\2016-11-15_001.xad

Created: 11/15/2016 2:30:26 PM
Modified: 11/15/2016 2:46:21 PM

Electrophoresis File Run Summary



Instrument Information:

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

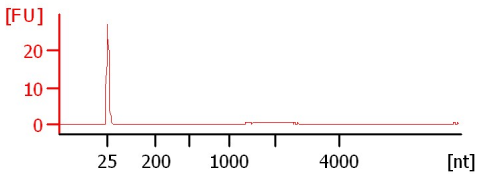
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

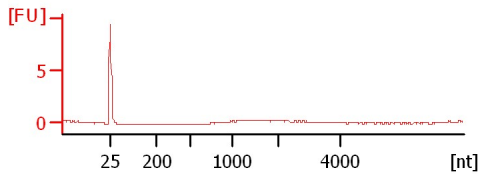
Chip Information:

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

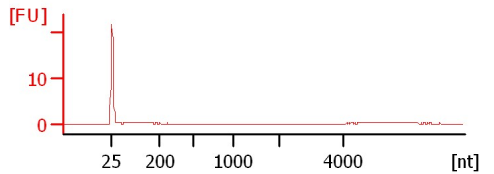
20 cells 1
RIN:1



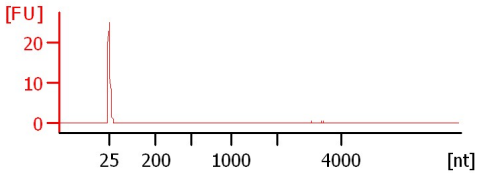
20 cells 2
RIN:1



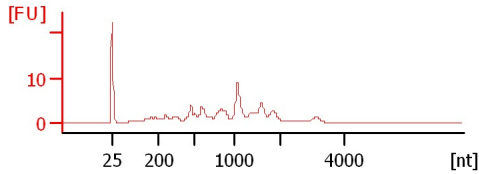
200 cells 1
RIN:1



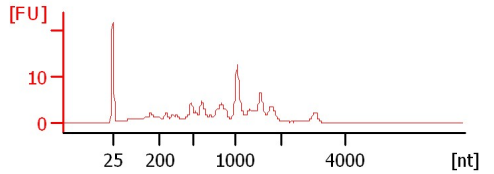
200 cells 2
RIN: 1.10



2000 cells 1
RIN: 6.80



2000 cells 2
RIN: 6.80



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-15\2016-11-15_001.xad

Created: 11/15/2016 2:30:26 PM
Modified: 11/15/2016 2:46:21 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
20 cells 1		✓	RIN:1	
20 cells 2		✓	RIN:1	
200 cells 1		✓	RIN:1	
200 cells 2		✓	RIN: 1.10	
2000 cells 1		✓	RIN: 6.80	
2000 cells 2		✓	RIN: 6.80	
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-15\2016-11-15_001.xad

Created: 11/15/2016 2:30:26 PM
Modified: 11/15/2016 2:46:21 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 18

End Analysis Time Range [s] : 69

Ladder Concentration [pg/ μ l] : 1000

Lower Marker Concentration [pg/ μ l] : 0

Upper Marker Concentration [pg/ μ l] : 0

Used Lower Marker for Quantitation

Standard Curve Fit is Logarithmic

Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.3

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

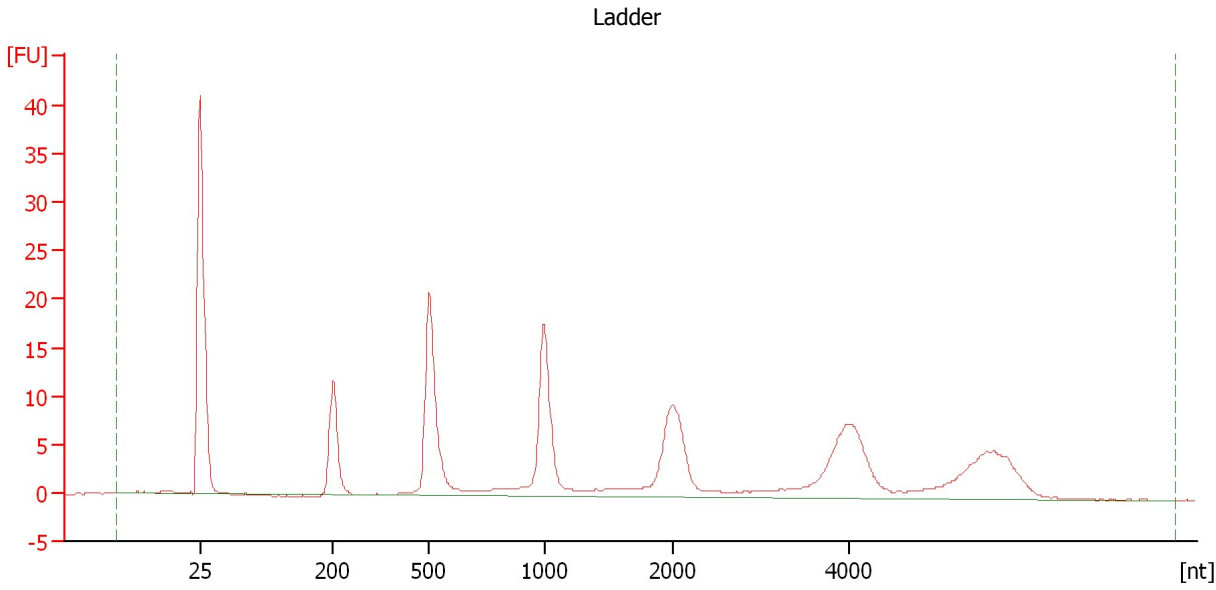
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-15\2016-11-15_001.xad

Created: 11/15/2016 2:30:26 PM
Modified: 11/15/2016 2:46:21 PM

Electropherogram Summary



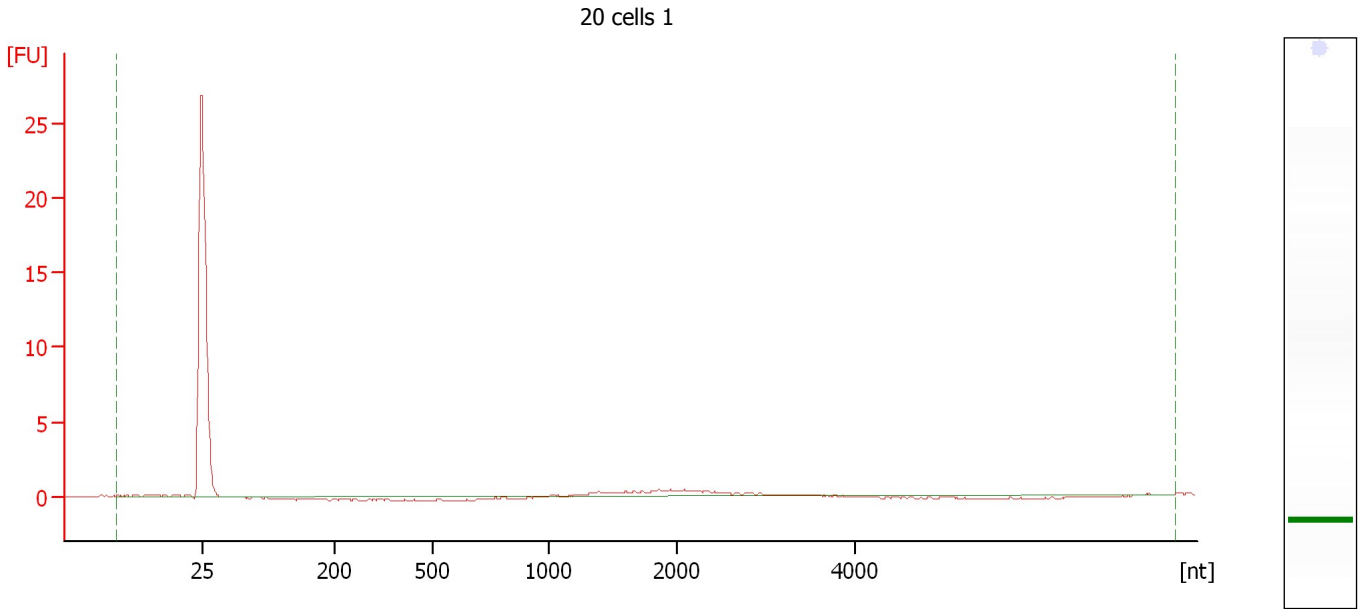
Overall Results for Ladder

RNA Area:	180.7	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-15\2016-11-15_001.xad

Created: 11/15/2016 2:30:26 PM
Modified: 11/15/2016 2:46:21 PM

Electropherogram Summary Continued ...



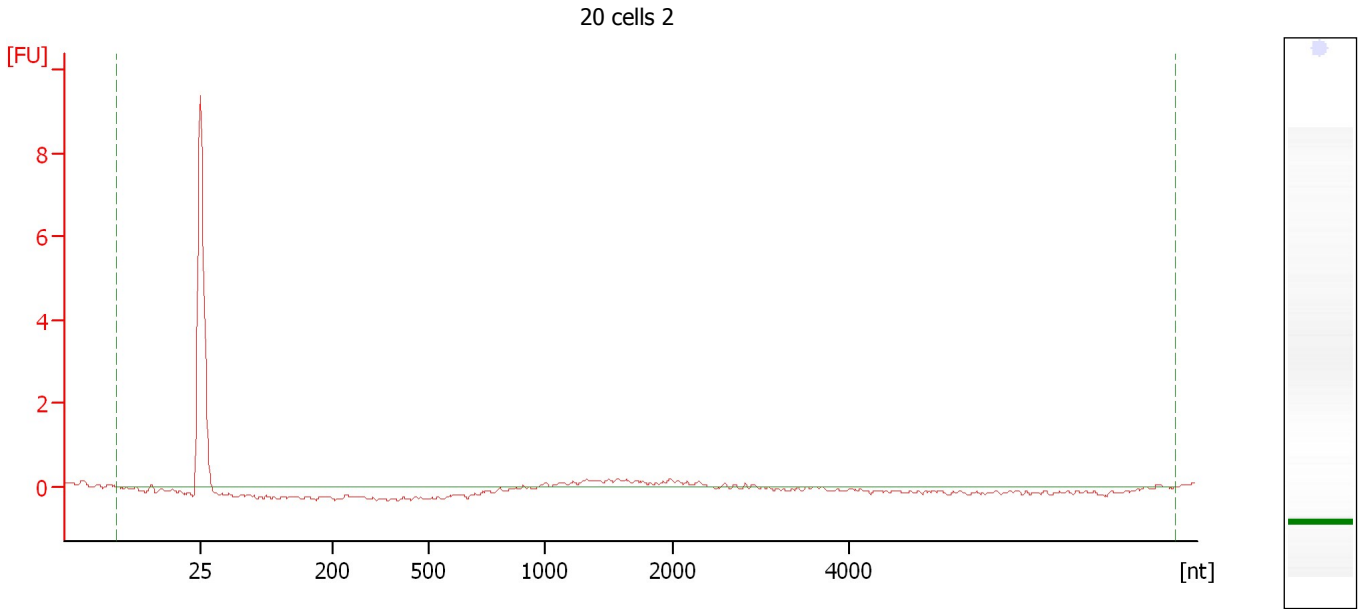
Overall Results for sample 1 : 20 cells 1

RNA Area:	4.3	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	24 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-15\2016-11-15_001.xad

Created: 11/15/2016 2:30:26 PM
Modified: 11/15/2016 2:46:21 PM

Electropherogram Summary Continued ...



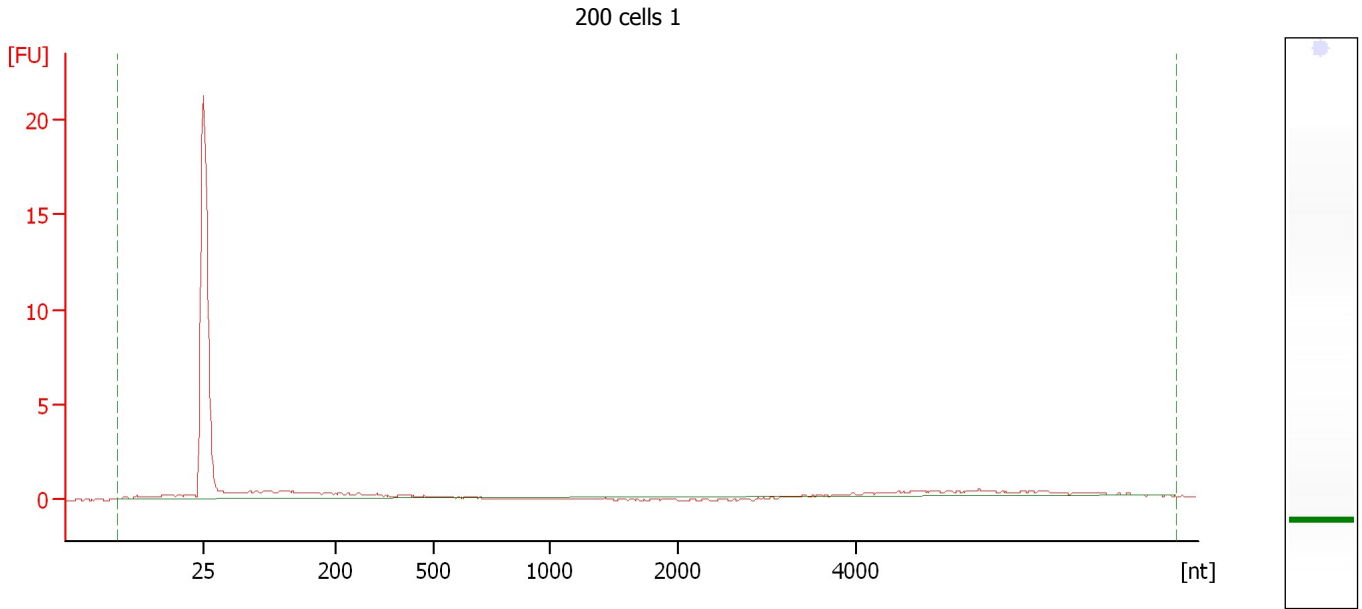
Overall Results for sample 2 : 20 cells 2

RNA Area:	1.8	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	10 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-15\2016-11-15_001.xad

Created: 11/15/2016 2:30:26 PM
Modified: 11/15/2016 2:46:21 PM

Electropherogram Summary Continued ...



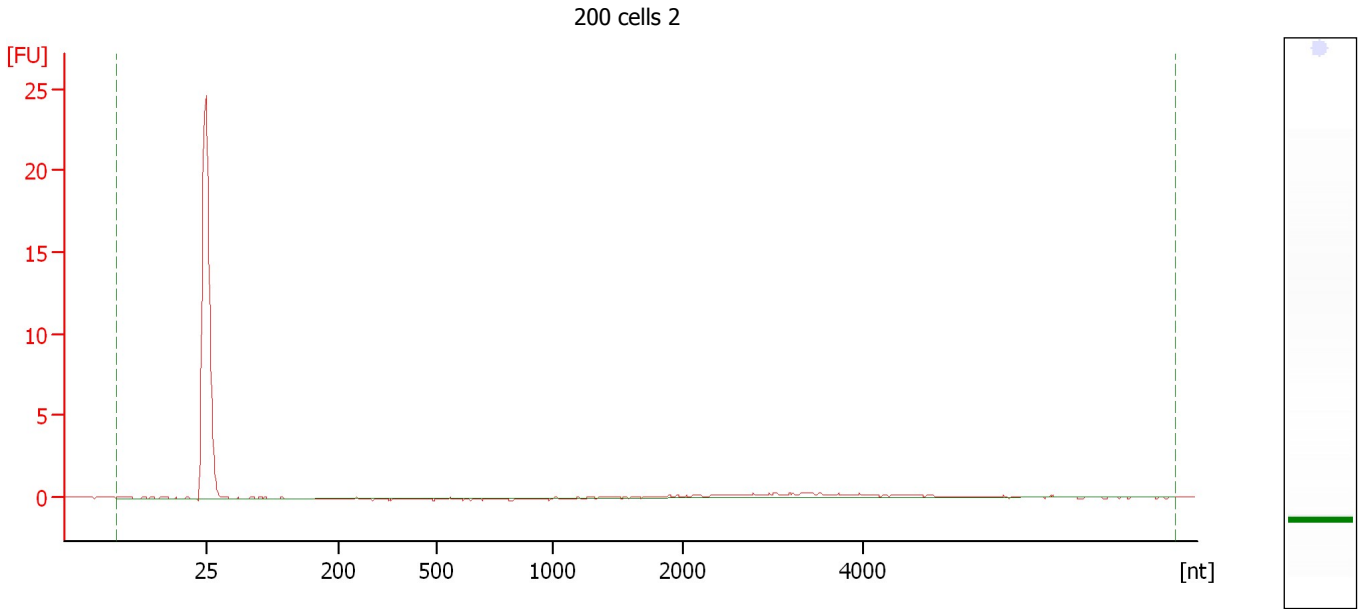
Overall Results for sample 3 : 200 cells 1

RNA Area:	16.0	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	88 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-15\2016-11-15_001.xad

Created: 11/15/2016 2:30:26 PM
Modified: 11/15/2016 2:46:21 PM

Electropherogram Summary Continued ...



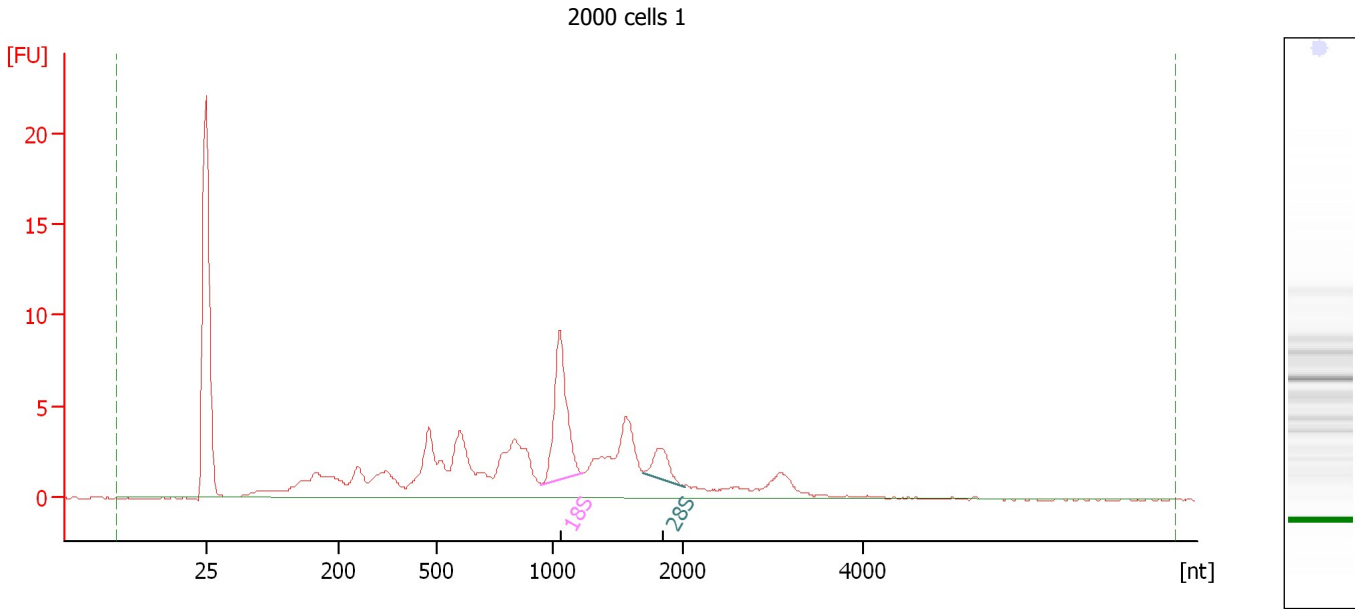
Overall Results for sample 4 : 200 cells 2

RNA Area:	5.8	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	32 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-15\2016-11-15_001.xad

Created: 11/15/2016 2:30:26 PM
Modified: 11/15/2016 2:46:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 2000 cells 1

RNA Area: 108.9 RNA Integrity Number (RIN): 6.8 (B.02.08)
RNA Concentration: 603 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.2 Result Flagging Label: RIN: 6.80

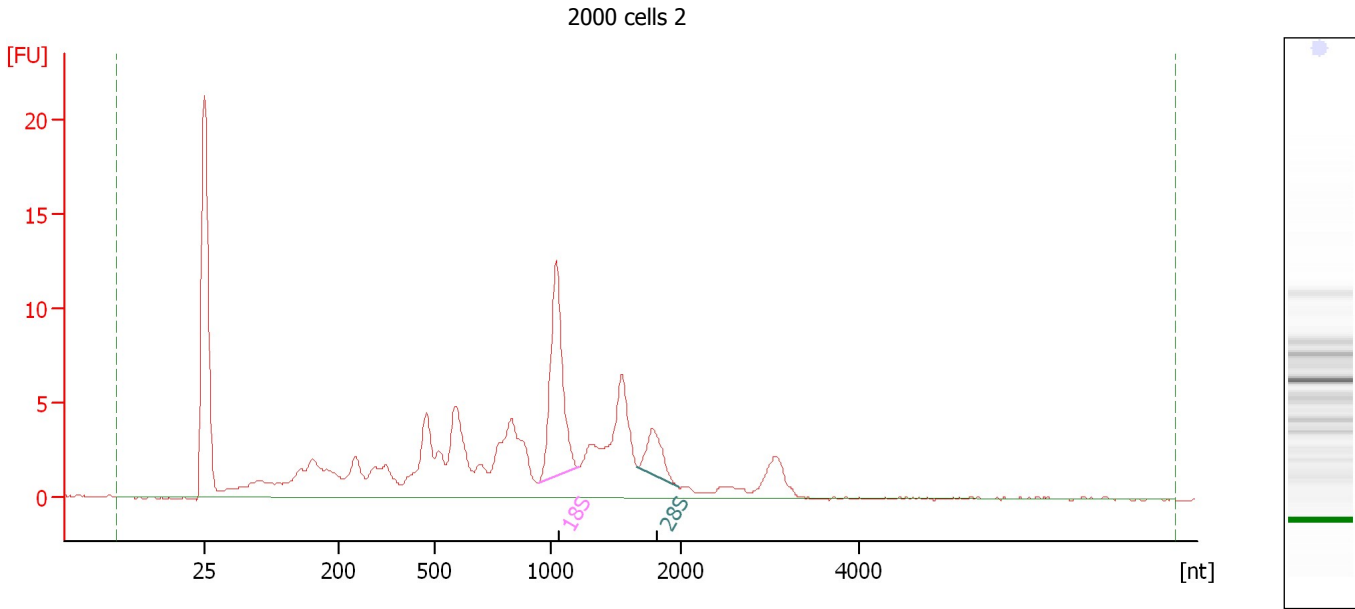
Fragment table for sample 5 : 2000 cells 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	947	1,227	13.5	12.4
28S	1,697	2,015	3.0	2.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-15\2016-11-15_001.xad

Created: 11/15/2016 2:30:26 PM
Modified: 11/15/2016 2:46:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 2000 cells 2

RNA Area: 139.3 RNA Integrity Number (RIN): 6.8 (B.02.08)
RNA Concentration: 771 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.3 Result Flagging Label: RIN: 6.80

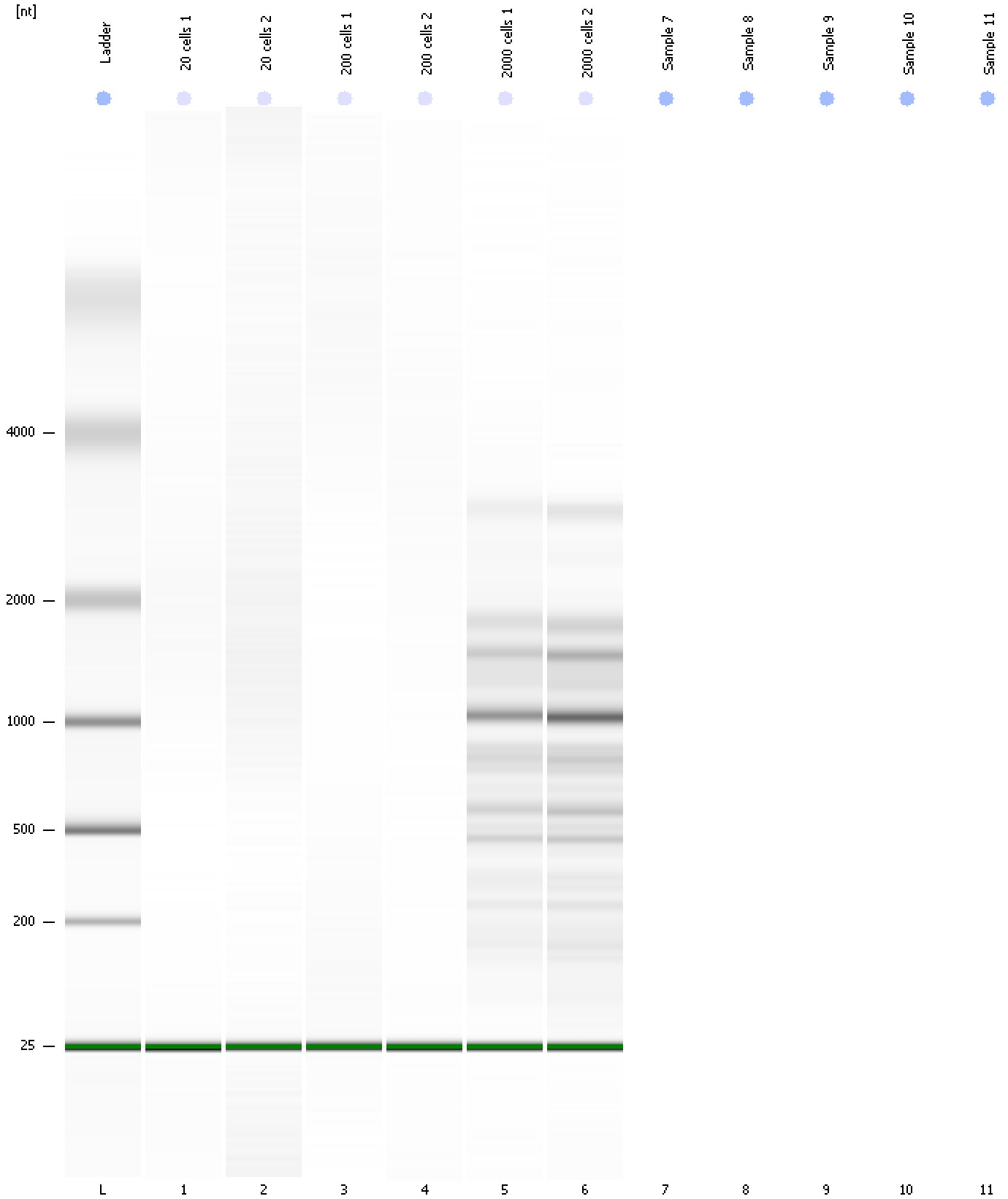
Fragment table for sample 6 : 2000 cells 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	941	1,216	18.5	13.3
28S	1,663	1,977	4.8	3.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-15\2016-11-15_001.xad

Created: 11/15/2016 2:30:26 PM
Modified: 11/15/2016 2:46:21 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-15\2016-11-15_001.xad

Created: 11/15/2016 2:30:26 PM
Modified: 11/15/2016 2:46:21 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.

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-15\2016-11-15_001.xad

Created: 11/15/2016 2:30:26 PM
 Modified: 11/15/2016 2:46:21 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 7)		Instrument	Run		11/15/2016 2:46:11 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-11-15\2016-11-15_001.xad)		Instrument	Run		11/15/2016 2:30:31 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/15/2016 2:30:31 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/15/2016 2:30:31 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/15/2016 2:30:31 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/15/2016 2:30:31 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/15/2016 2:30:31 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/15/2016 2:30:31 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1