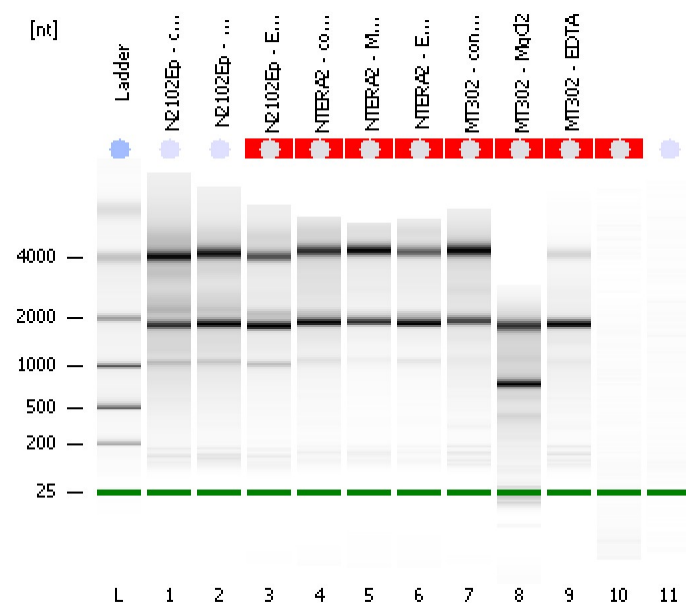


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-03-17_00-27-29.xad

Created: 3/17/2020 12:27:28 AM
Modified: 3/17/2020 1:15:26 AM

Electrophoresis File Run SummaryInstrument Information:

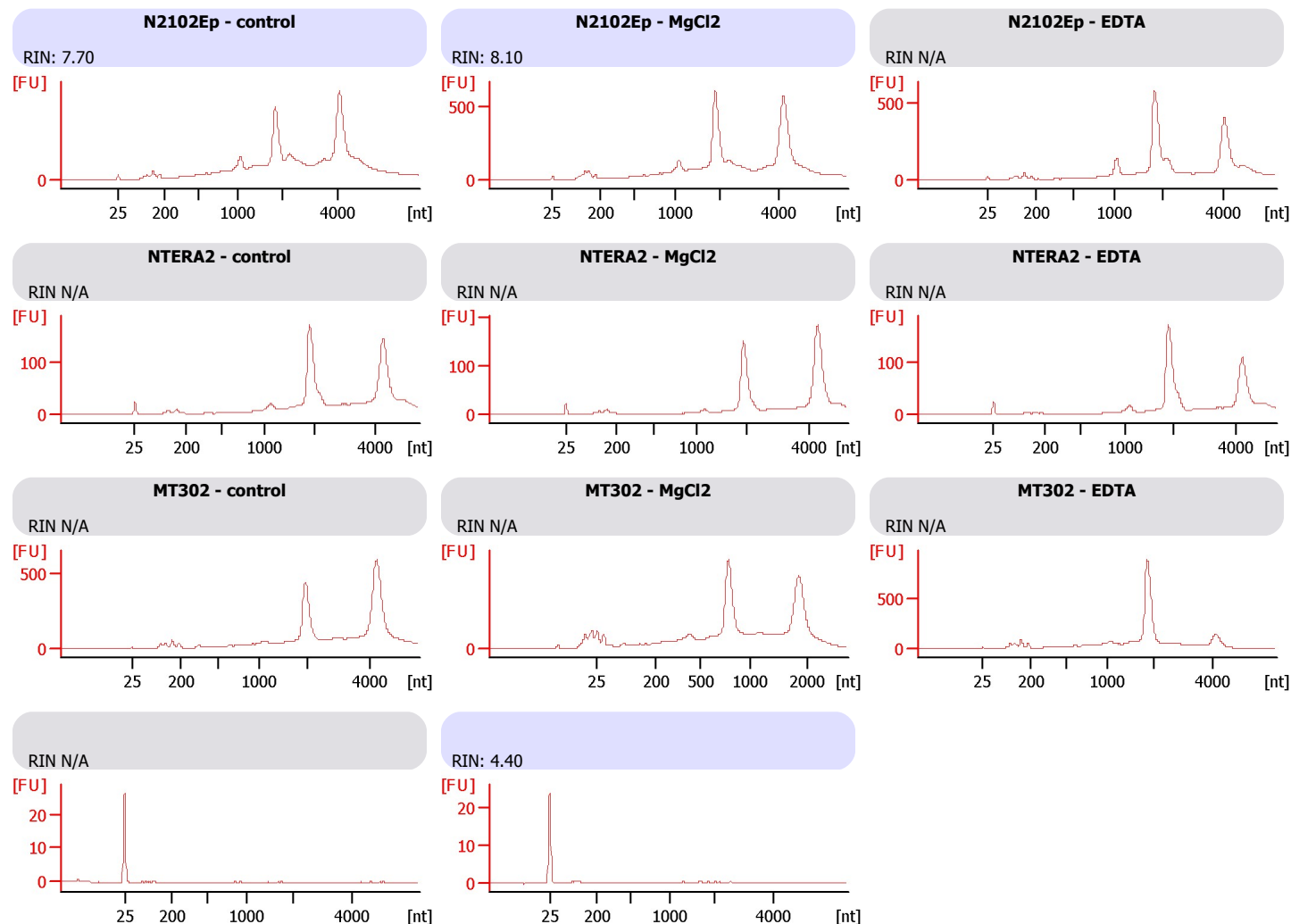
Instrument Name: Jarvis lab Firmware: C.01.069
Serial#: DE72902042 Type: G2939A

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)
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Chip Information:

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



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-03-17_00-27-29.xad

Created: 3/17/2020 12:27:28 AM
Modified: 3/17/2020 1:15:26 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
N2102Ep - control		✓	RIN: 7.70	
N2102Ep - MgCl2		✓	RIN: 8.10	
N2102Ep - EDTA		✓	RIN N/A	
NTERA2 - control		✓	RIN N/A	
NTERA2 - MgCl2		✓	RIN N/A	
NTERA2 - EDTA		✓	RIN N/A	
MT302 - control		✓	RIN N/A	
MT302 - MgCl2		✓	RIN N/A	
MT302 - EDTA		✓	RIN N/A	
		✓	RIN N/A	
		✓	RIN: 4.40	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-03-17_00-27-29.xad

Created: 3/17/2020 12:27:28 AM
Modified: 3/17/2020 1:15:26 AM

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/μl] : 1000

Lower Marker Concentration [pg/μl] : 0

Upper Marker Concentration [pg/μl] : 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

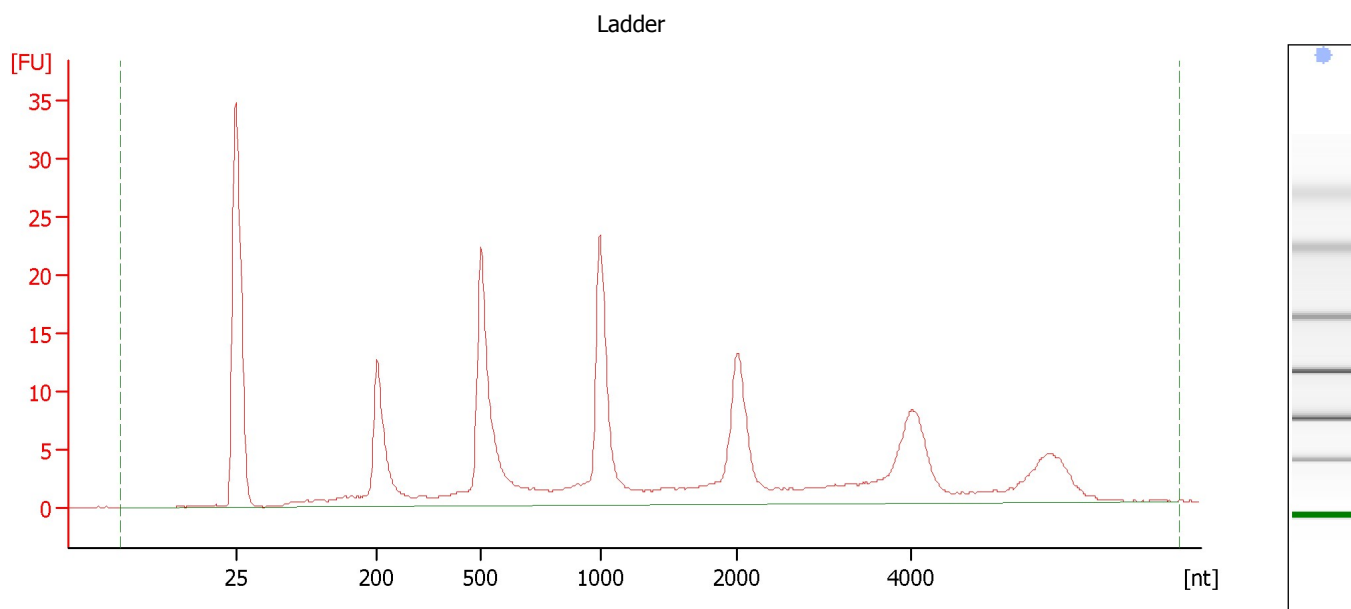
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-03-17_00-27-29.xad

Created: 3/17/2020 12:27:28 AM
Modified: 3/17/2020 1:15:26 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 228.0

Result Flagging Color:



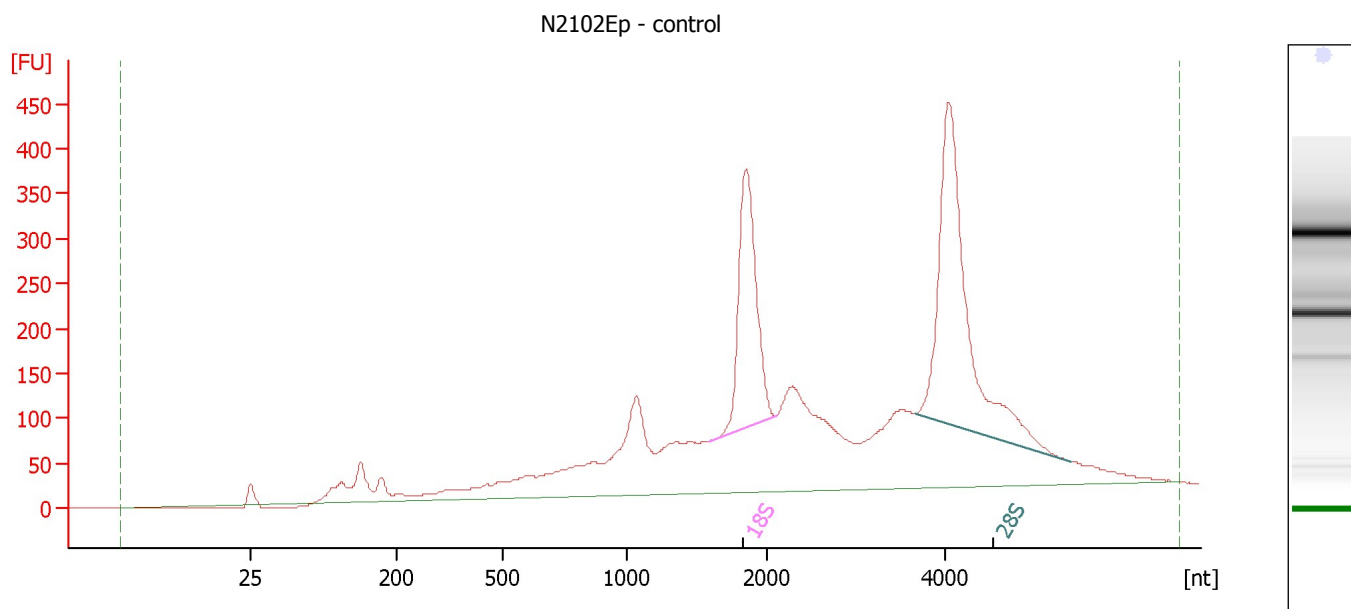
RNA Concentration: 1,000 pg/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-03-17_00-27-29.xad

Created: 3/17/2020 12:27:28 AM
Modified: 3/17/2020 1:15:26 AM

Electropherogram Summary Continued ...**Overall Results for sample 1 : N2102Ep - control**

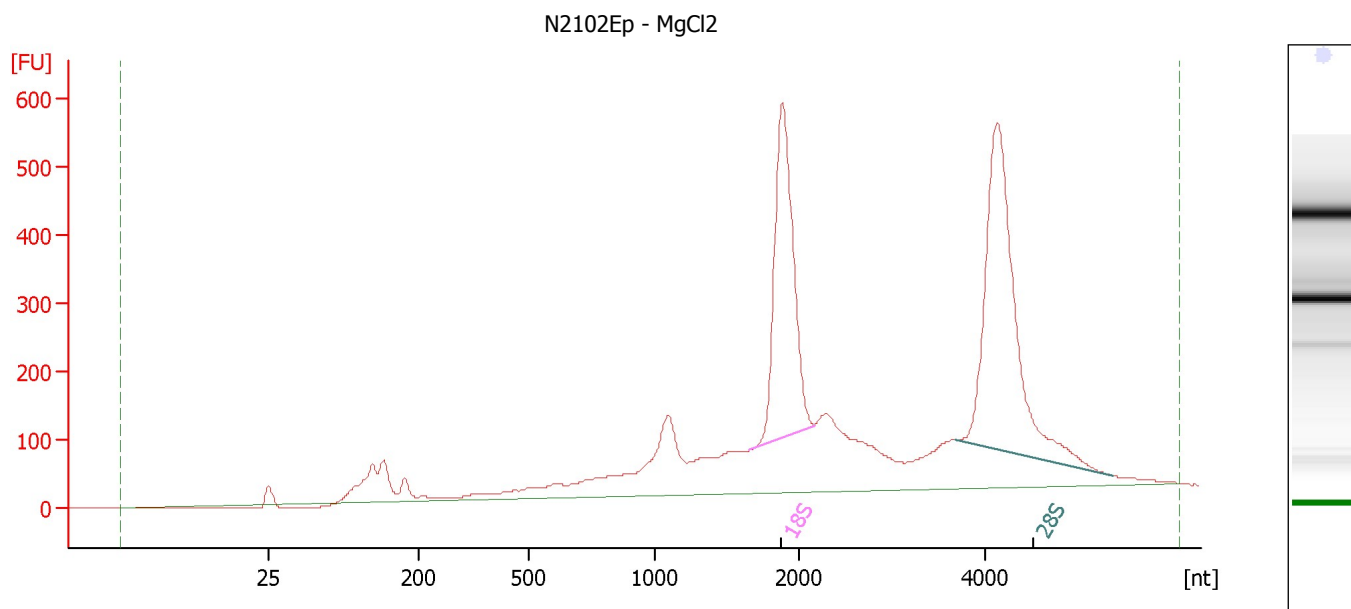
RNA Area:	5,008.4	RNA Integrity Number (RIN):	7.7 (B.02.08)
RNA Concentration:	21,966 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 7.70

Fragment table for sample 1 : N2102Ep - control

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,588	2,105	552.9	11.0
28S	3,656	5,399	919.7	18.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-03-17_00-27-29.xad

Created: 3/17/2020 12:27:28 AM
Modified: 3/17/2020 1:15:26 AM

Electropherogram Summary Continued ...**Overall Results for sample 2 : N2102Ep - MgCl2**

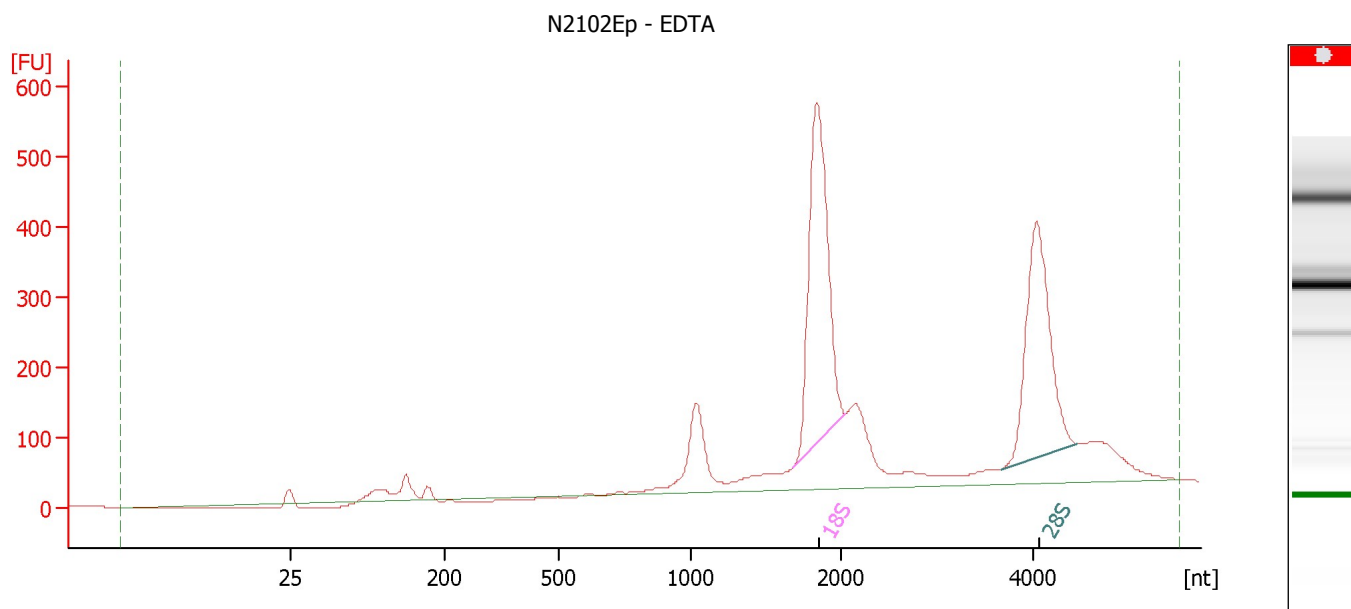
RNA Area:	5,466.8	RNA Integrity Number (RIN):	8.1 (B.02.08)
RNA Concentration:	23,976 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.10

Fragment table for sample 2 : N2102Ep - MgCl2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,651	2,159	974.4	17.8
28S	3,686	5,387	1,266.7	23.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-03-17_00-27-29.xad

Created: 3/17/2020 12:27:28 AM
Modified: 3/17/2020 1:15:26 AM

Electropherogram Summary Continued ...**Overall Results for sample 3 : N2102Ep - EDTA**

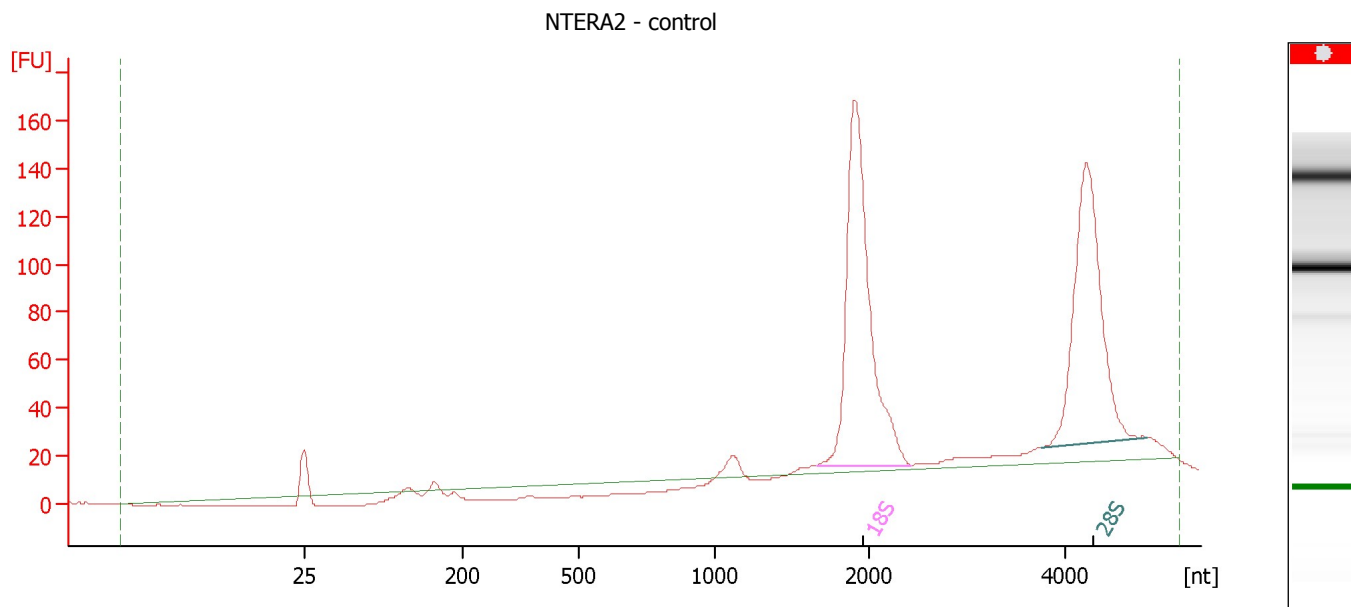
RNA Area:	3,302.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	14,482 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN N/A

Fragment table for sample 3 : N2102Ep - EDTA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,679	2,043	939.0	28.4
28S	3,671	4,463	688.6	20.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-03-17_00-27-29.xad

Created: 3/17/2020 12:27:28 AM
Modified: 3/17/2020 1:15:26 AM

Electropherogram Summary Continued ...**Overall Results for sample 4 : NTERA2 - control**

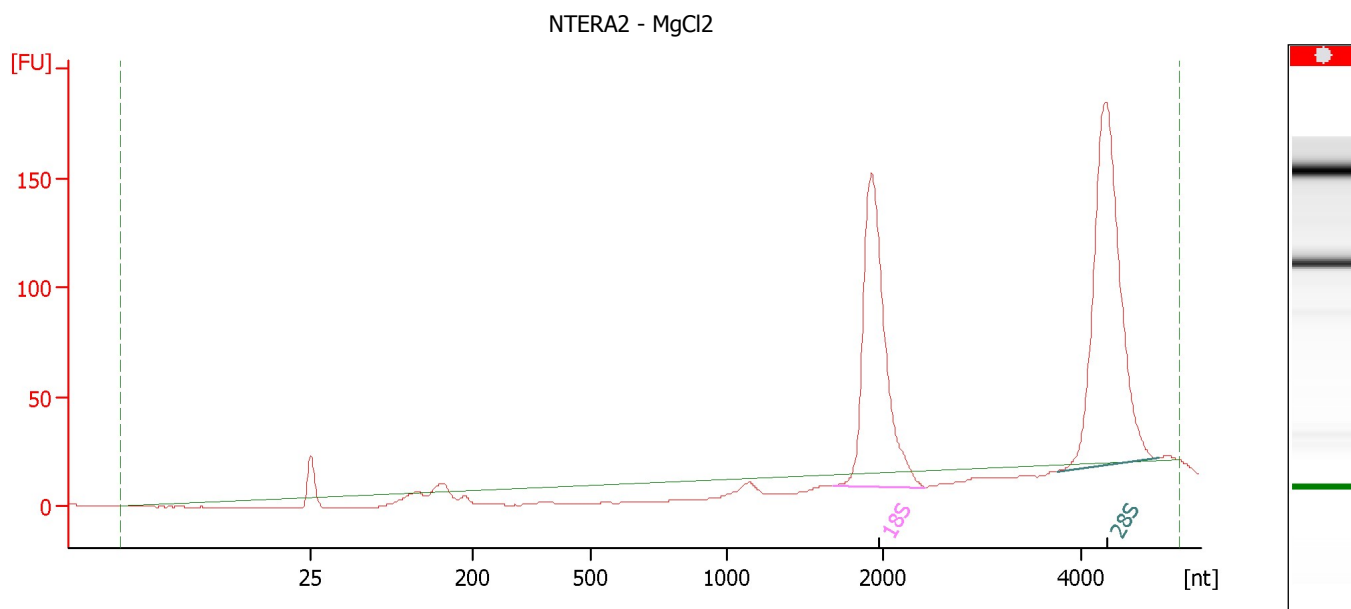
RNA Area:	763.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	3,348 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN N/A

Fragment table for sample 4 : NTERA2 - control

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,664	2,442	345.1	45.2
28S	3,771	4,839	259.3	34.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-03-17_00-27-29.xad

Created: 3/17/2020 12:27:28 AM
Modified: 3/17/2020 1:15:26 AM

Electropherogram Summary Continued ...**Overall Results for sample 5 : NTERA2 - MgCl2**

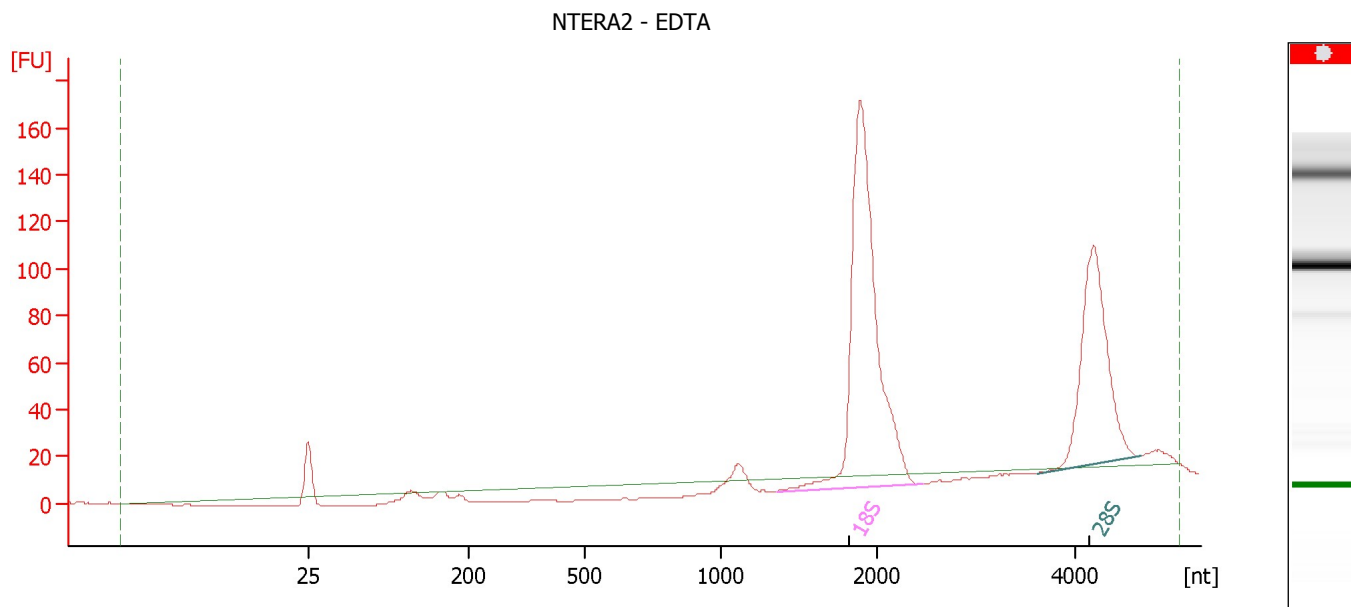
RNA Area:	628.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2,758 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN N/A

Fragment table for sample 5 : NTERA2 - MgCl2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,685	2,431	307.5	48.9
28S	3,765	4,787	360.5	57.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-03-17_00-27-29.xad

Created: 3/17/2020 12:27:28 AM
Modified: 3/17/2020 1:15:26 AM

Electropherogram Summary Continued ...**Overall Results for sample 6 : NTERA2 - EDTA**

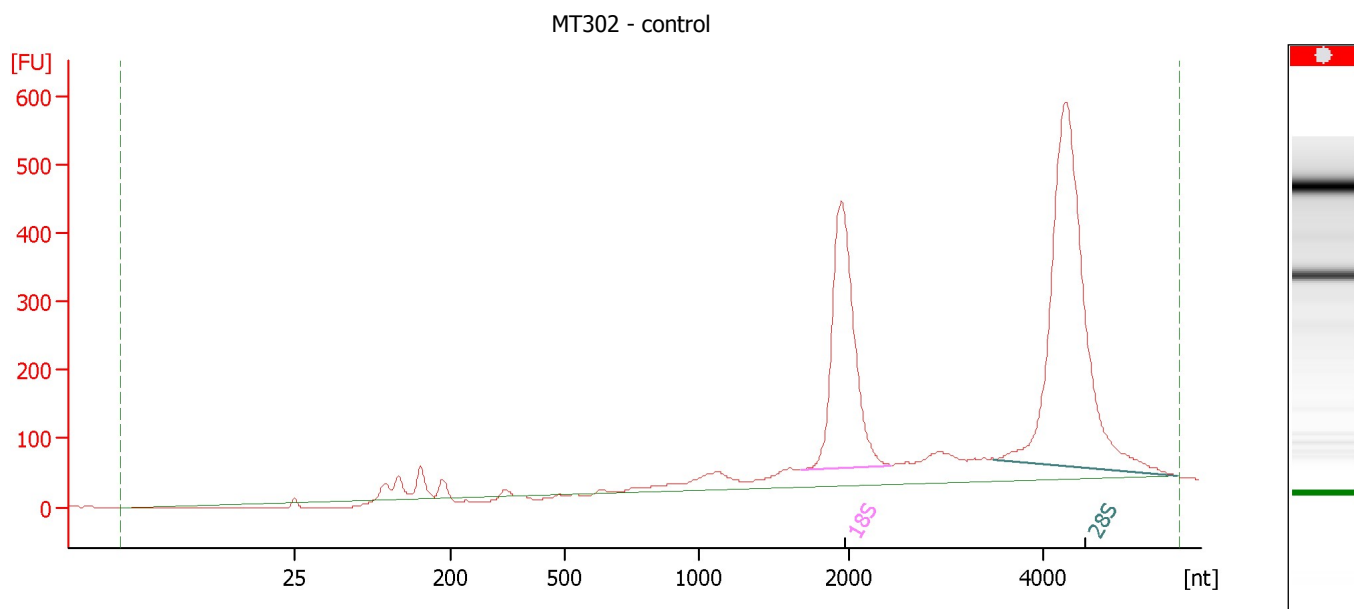
RNA Area:	577.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2,532 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN N/A

Fragment table for sample 6 : NTERA2 - EDTA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,352	2,474	395.6	68.5
28S	3,621	4,681	196.8	34.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-03-17_00-27-29.xad

Created: 3/17/2020 12:27:28 AM
Modified: 3/17/2020 1:15:26 AM

Electropherogram Summary Continued ...**Overall Results for sample 7 : MT302 - control**

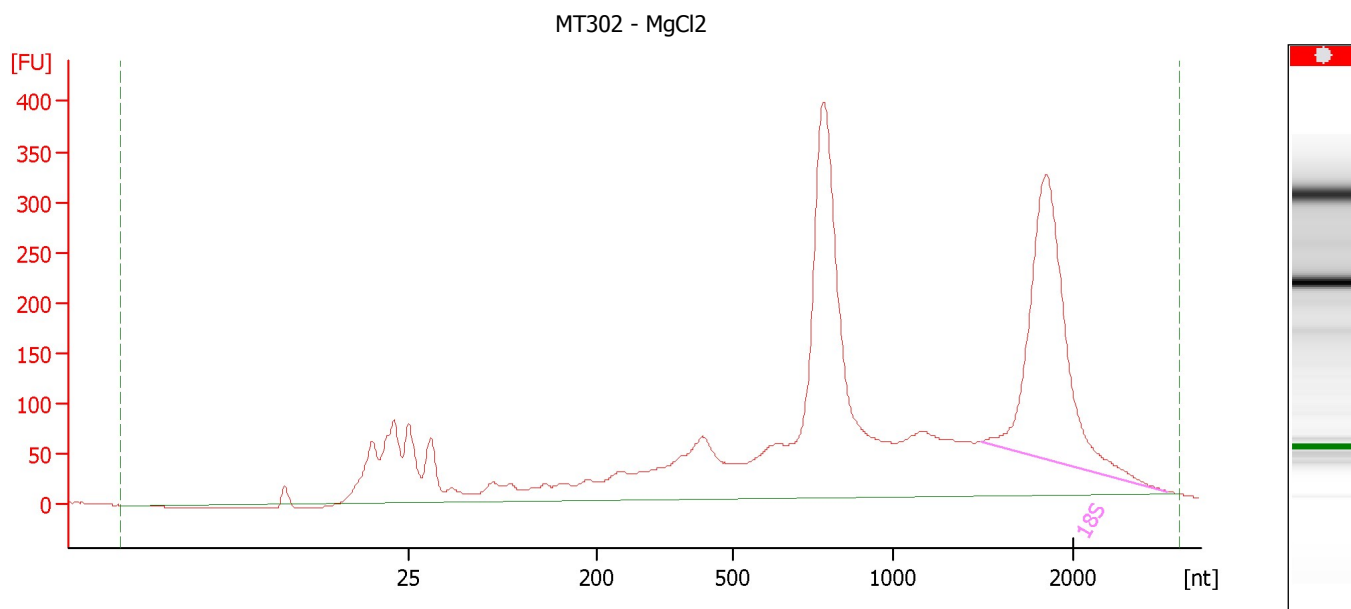
RNA Area:	3,521.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	15,443 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN N/A

Fragment table for sample 7 : MT302 - control

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,676	2,422	859.8	24.4
28S	3,495	5,388	1,474.2	41.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-03-17_00-27-29.xad

Created: 3/17/2020 12:27:28 AM
Modified: 3/17/2020 1:15:26 AM

Electropherogram Summary Continued ...**Overall Results for sample 8 : MT302 - MgCl2**

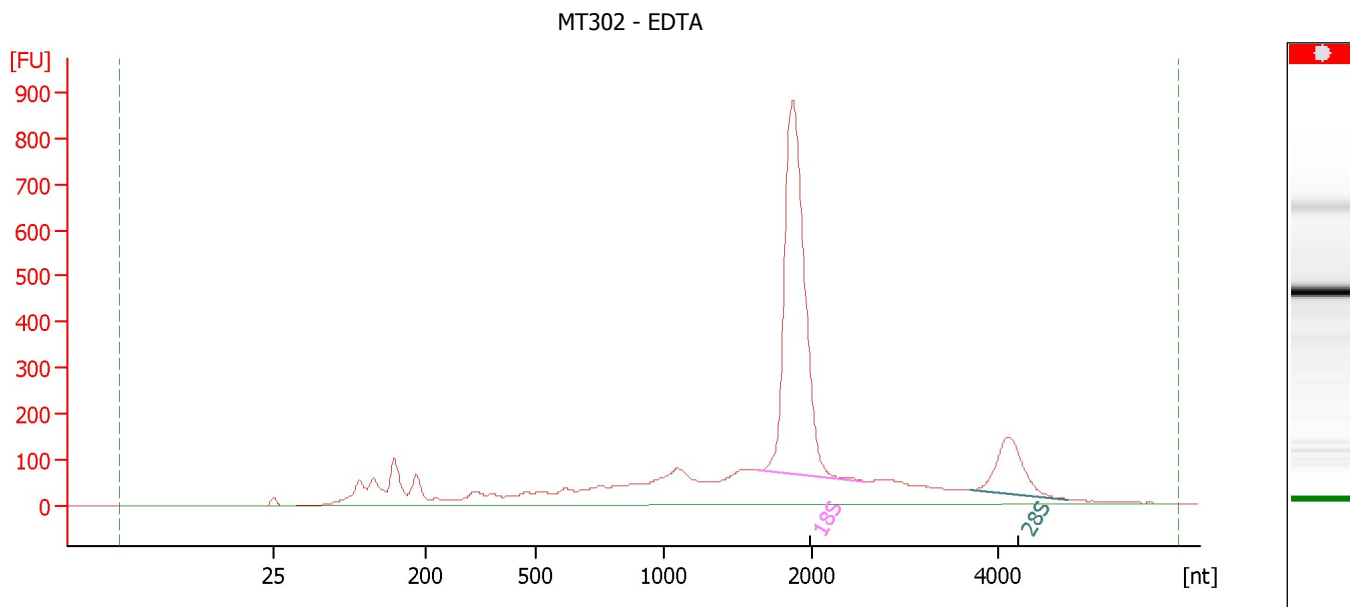
RNA Area:	4,430.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	19,429 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 8 : MT302 - MgCl2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,483	2,818	873.0	19.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-03-17_00-27-29.xad

Created: 3/17/2020 12:27:28 AM
Modified: 3/17/2020 1:15:26 AM

Electropherogram Summary Continued ...**Overall Results for sample 9 : MT302 - EDTA**

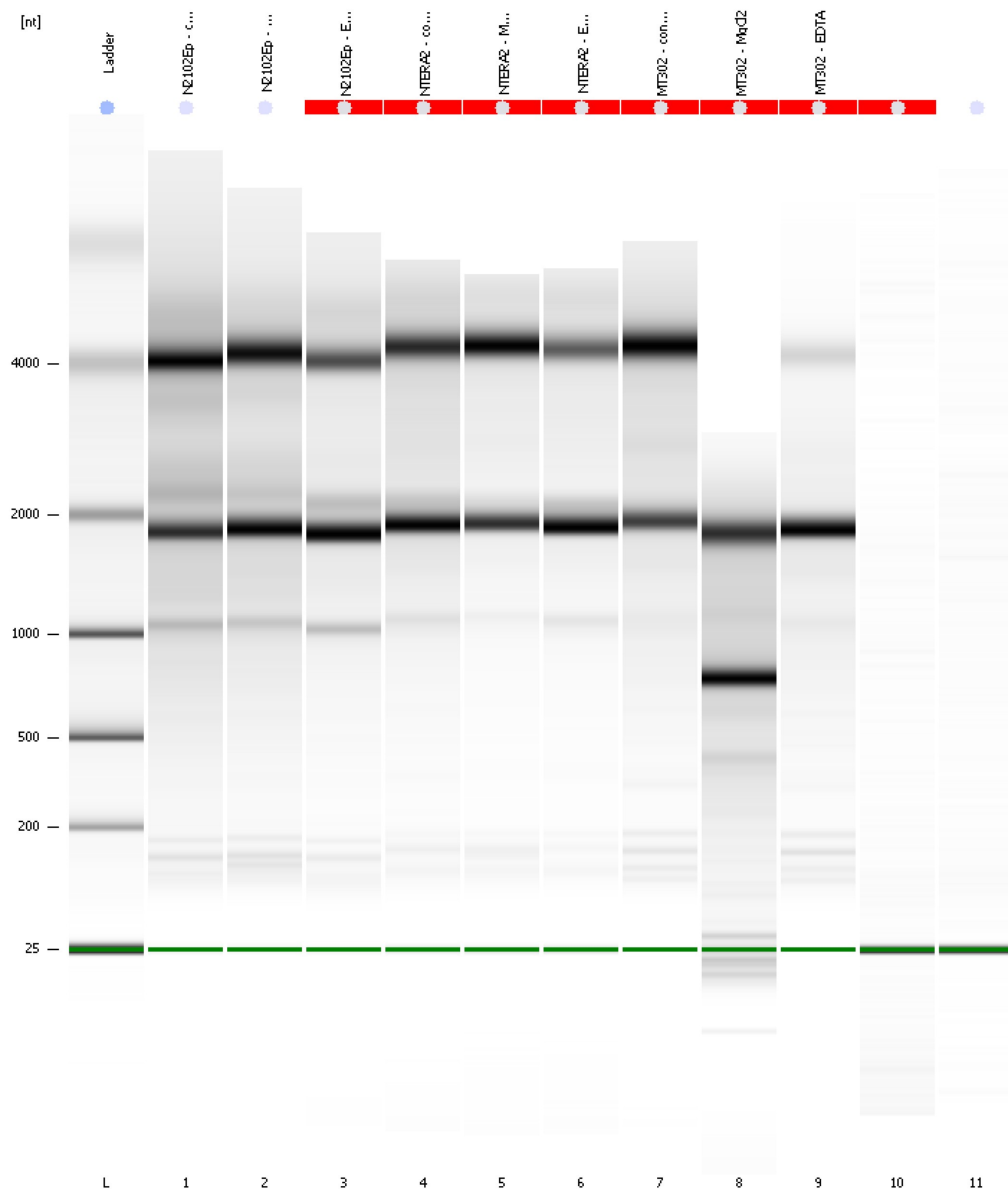
RNA Area:	5,093.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	22,337 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN N/A

Fragment table for sample 9 : MT302 - EDTA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,621	2,584	1,726.4	33.9
28S	3,706	4,758	289.8	5.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-03-17_00-27-29.xad

Created: 3/17/2020 12:27:28 AM
Modified: 3/17/2020 1:15:26 AM

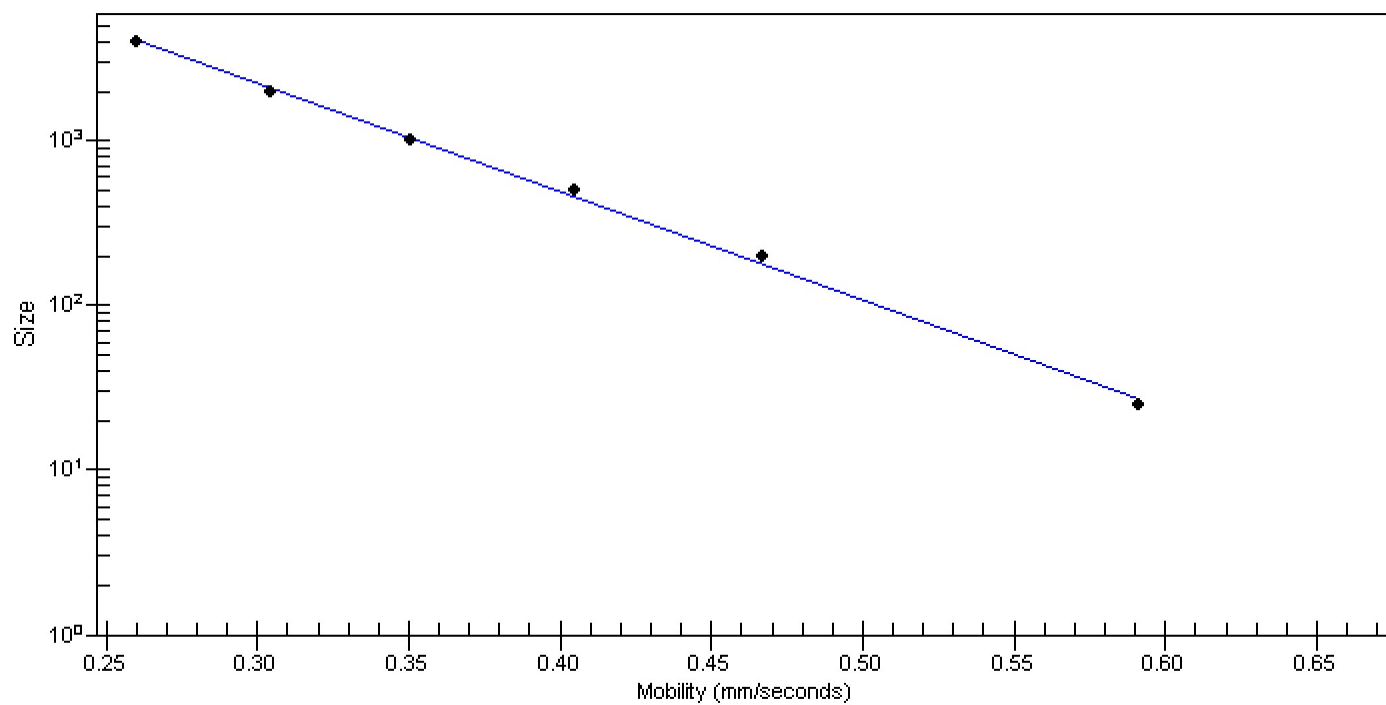
Gel Image

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-03-17_00-27-29.xad

Created: 3/17/2020 12:27:28 AM
Modified: 3/17/2020 1:15:26 AM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-03-17_00-27-29.xad

Created: 3/17/2020 12:27:28 AM
 Modified: 3/17/2020 1:15:26 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		3/17/2020 12:50:23 AM	(GMT --04:00) Eastern Standard Time	jarvis_lab	DHE
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2020-03-17\2100 expert_Eukaryote Total RNA Pico_DE72902042_2020-03-17_00-27-29.xad)		Instrument	Run		3/17/2020 12:27:34 AM	(GMT --04:00) Eastern Standard Time	jarvis_lab	DHE
Product Number : G2939A		Instrument	Run		3/17/2020 12:27:34 AM	(GMT --04:00) Eastern Standard Time	jarvis_lab	DHE
Name : Jarvis lab		Instrument	Run		3/17/2020 12:27:34 AM	(GMT --04:00) Eastern Standard Time	jarvis_lab	DHE
Vendor : Agilent Technologies		Instrument	Run		3/17/2020 12:27:34 AM	(GMT --04:00) Eastern Standard Time	jarvis_lab	DHE
Serial# : DE72902042		Instrument	Run		3/17/2020 12:27:34 AM	(GMT --04:00) Eastern Standard Time	jarvis_lab	DHE
Firmware : C.01.069		Instrument	Run		3/17/2020 12:27:34 AM	(GMT --04:00) Eastern Standard Time	jarvis_lab	DHE
Cartridge : Electrode		Instrument	Run		3/17/2020 12:27:34 AM	(GMT --04:00) Eastern Standard Time	jarvis_lab	DHE