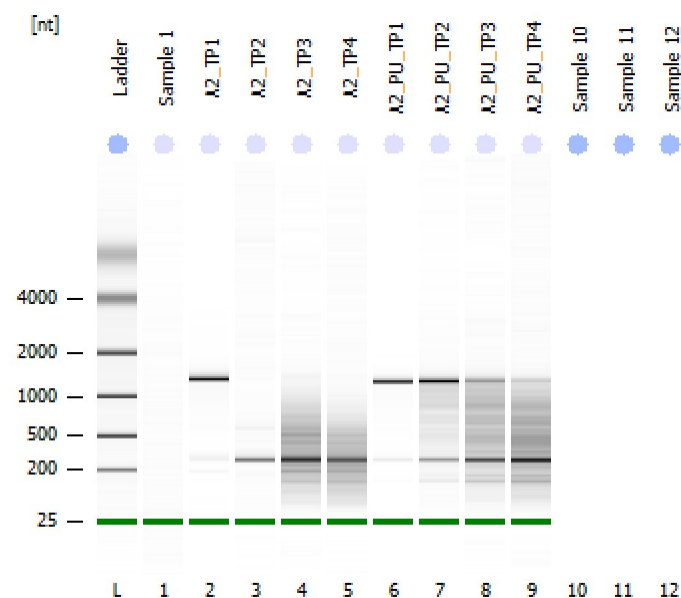


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-02-25.xad

Created: 11/24/2020 12:02:24 PM
Modified: 11/24/2020 1:15:16 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE72901302
Serial#: DE72901302

Firmware: C.01.069
Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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)

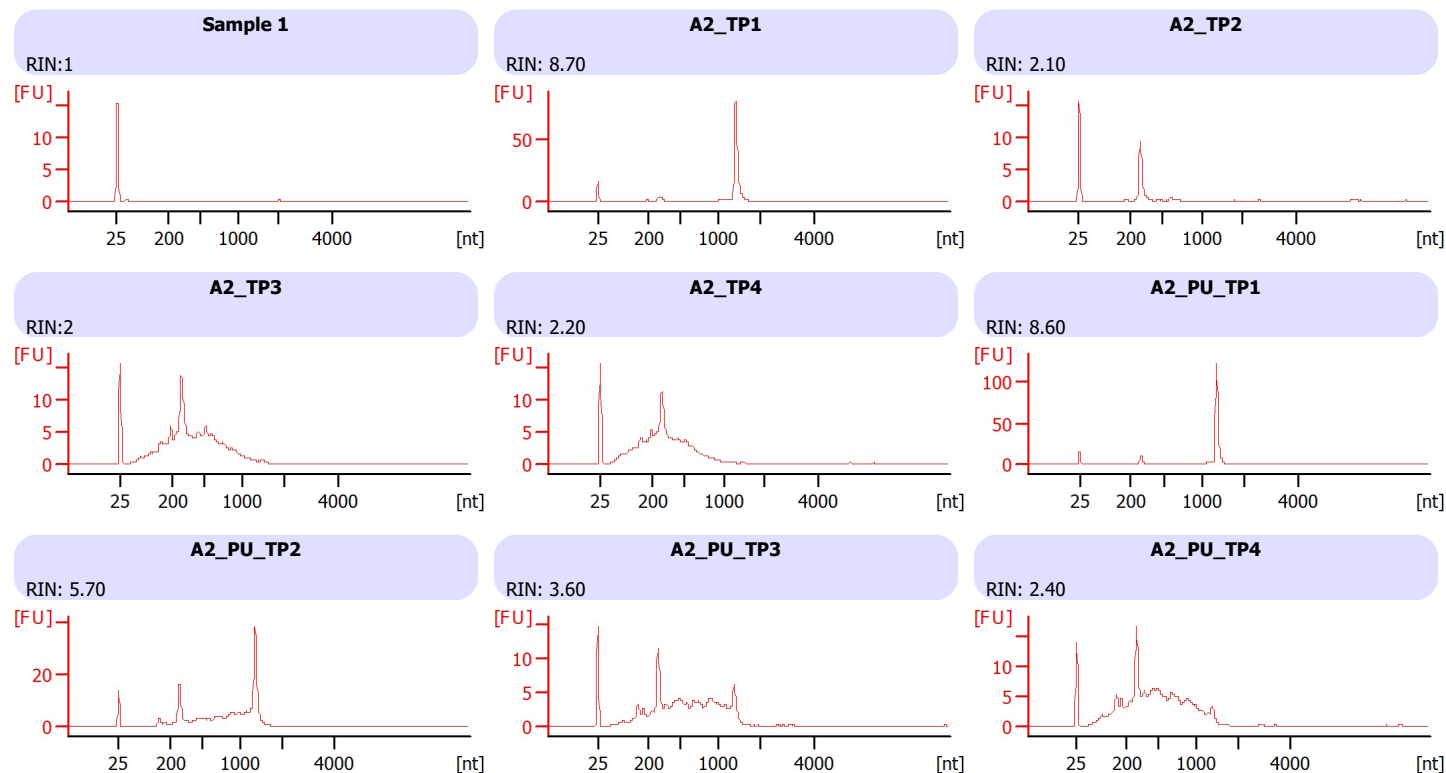
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-02-25.xad

Created: 11/24/2020 12:02:24 PM
Modified: 11/24/2020 1:15:16 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Sample 1		✓ RIN:1	
A2_TP1		✓ RIN: 8.70	
A2_TP2		✓ RIN: 2.10	
A2_TP3		✓ RIN:2	
A2_TP4		✓ RIN: 2.20	
A2_PU_TP1		✓ RIN: 8.60	
A2_PU_TP2		✓ RIN: 5.70	
A2_PU_TP3		✓ RIN: 3.60	
A2_PU_TP4		✓ RIN: 2.40	
Sample 10			
Sample 11			
Sample 12			
Ladder		✓ All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-02-25.xad

Created: 11/24/2020 12:02:24 PM
Modified: 11/24/2020 1:15:16 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

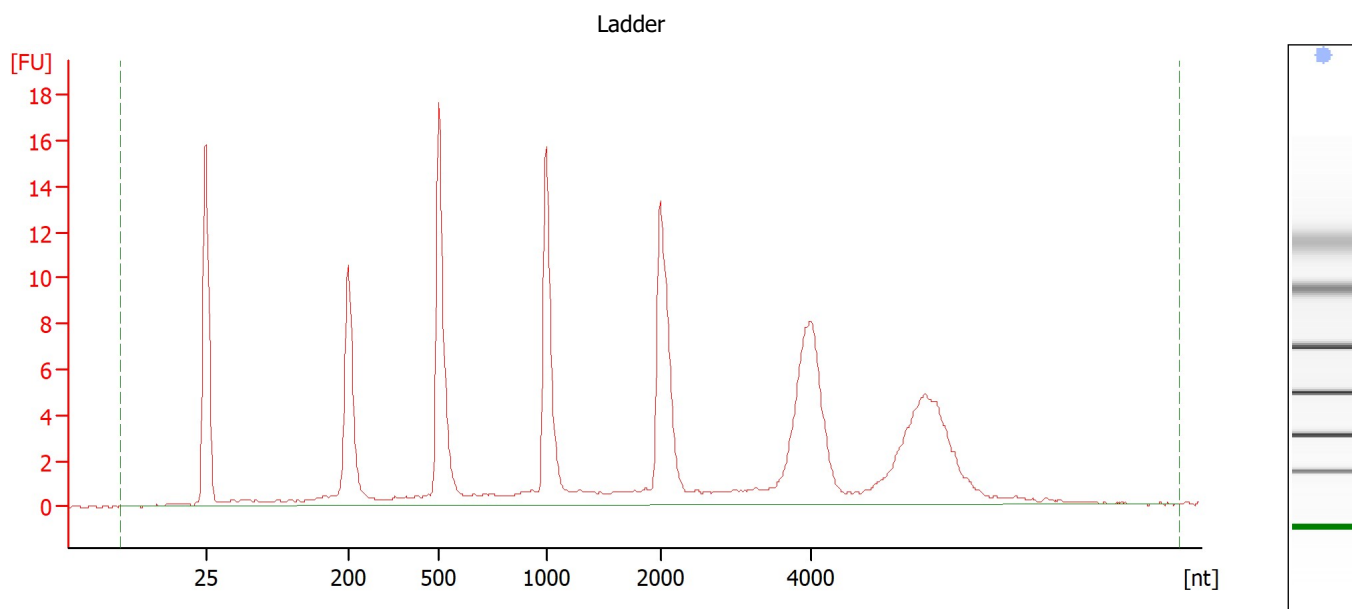
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-02-25.xad

Created: 11/24/2020 12:02:24 PM
Modified: 11/24/2020 1:15:16 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 148.0

Result Flagging Color:



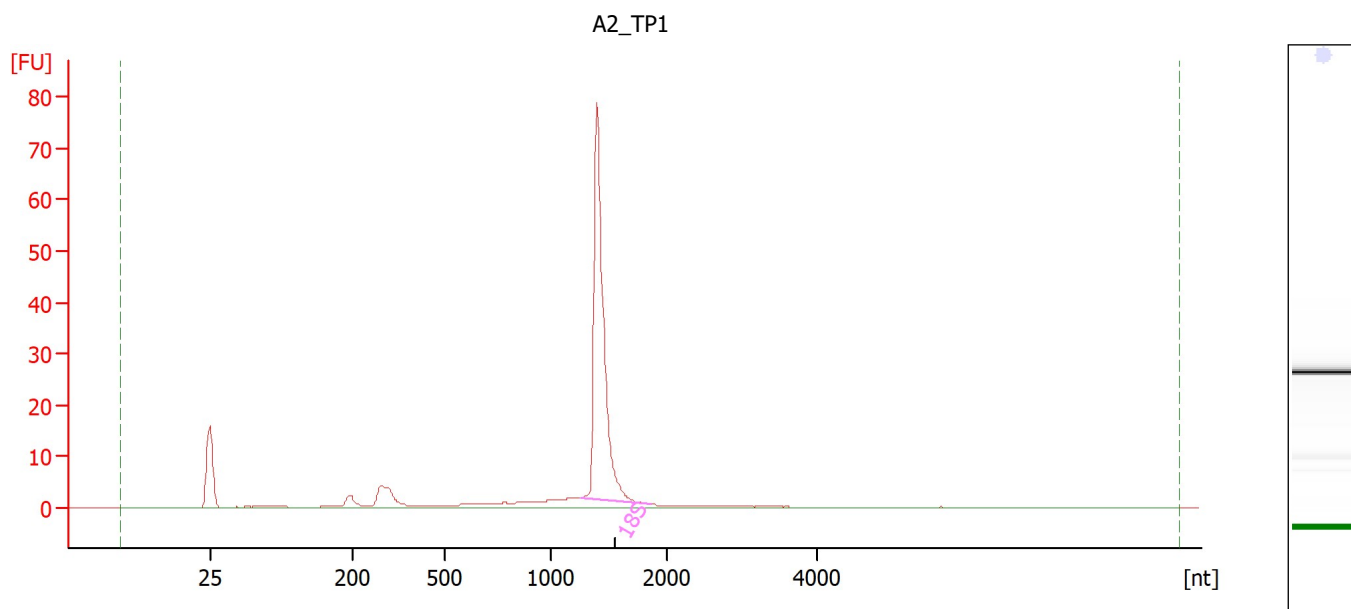
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-02-25.xad

Created: 11/24/2020 12:02:24 PM
Modified: 11/24/2020 1:15:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : A2_TP1**

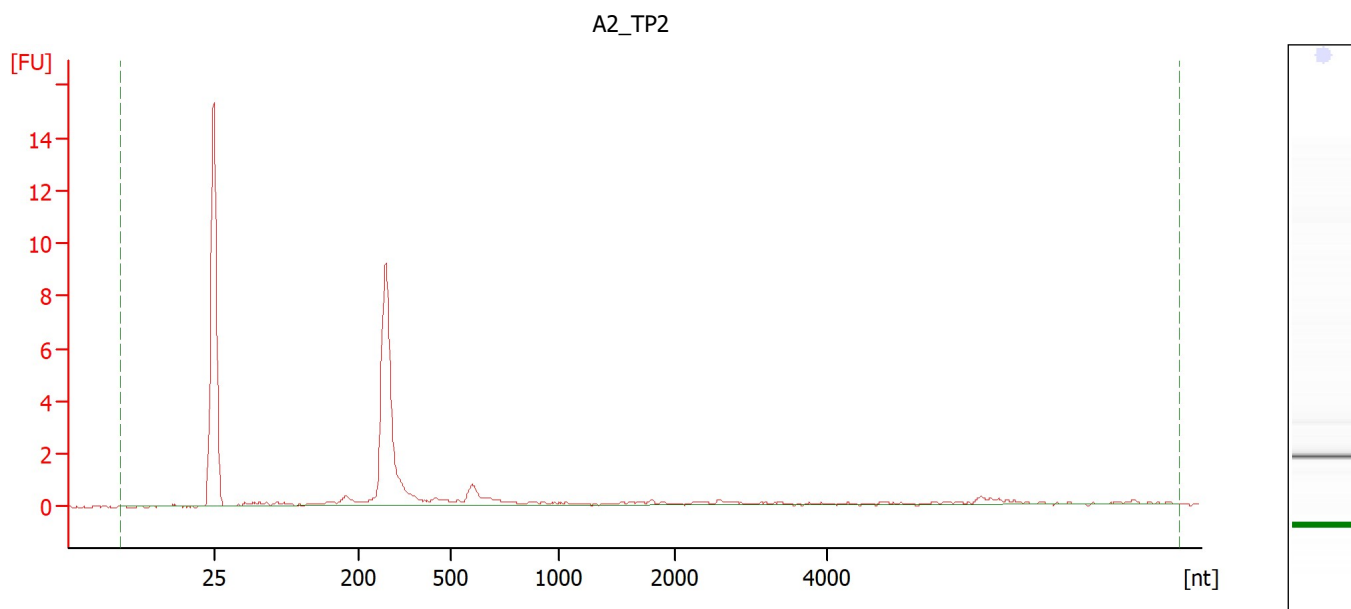
RNA Area:	149.3	RNA Integrity Number (RIN):	8.7 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	151 ng/μl		
rRNA Ratio [28s / 18s]:	0.0		
		Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 8.70

Fragment table for sample 2 : A2_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,259	1,863	95.1	63.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-02-25.xad

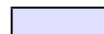
Created: 11/24/2020 12:02:24 PM
Modified: 11/24/2020 1:15:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : A2_TP2**

RNA Area: 23.4
RNA Concentration: 24 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2.1 (B.02.11,
Anomaly Threshold(s)
manually adapted)

Result Flagging Color:

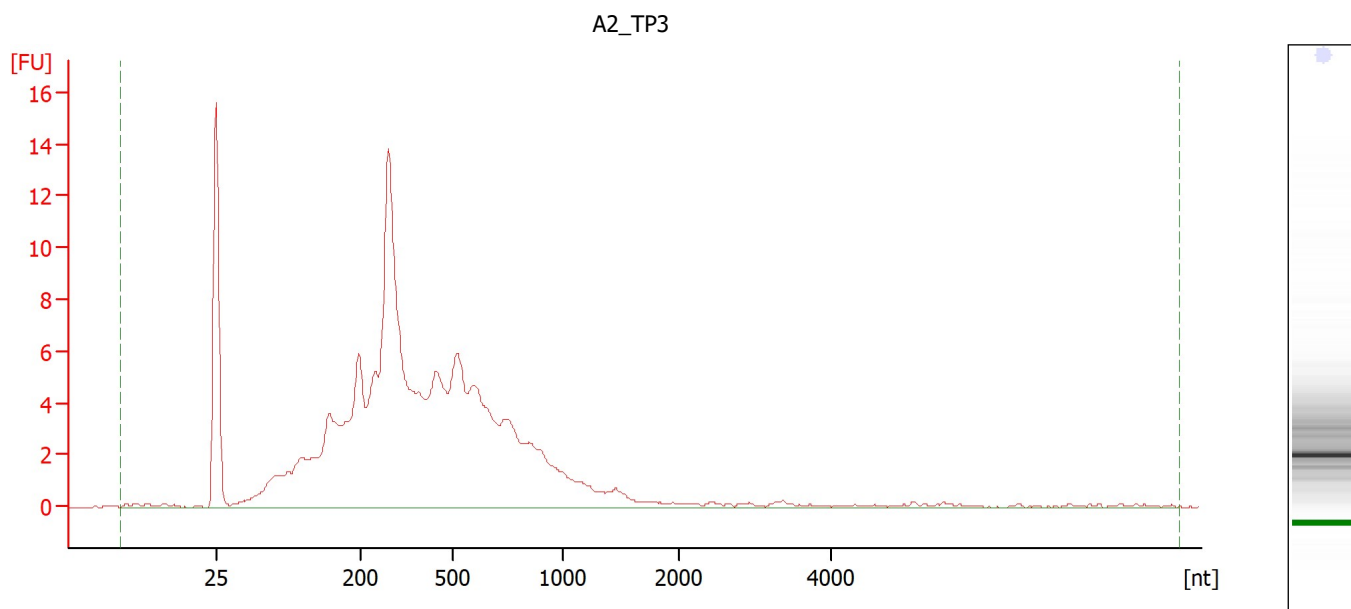


Result Flagging Label:

RIN: 2.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-02-25.xad

Created: 11/24/2020 12:02:24 PM
Modified: 11/24/2020 1:15:16 PM

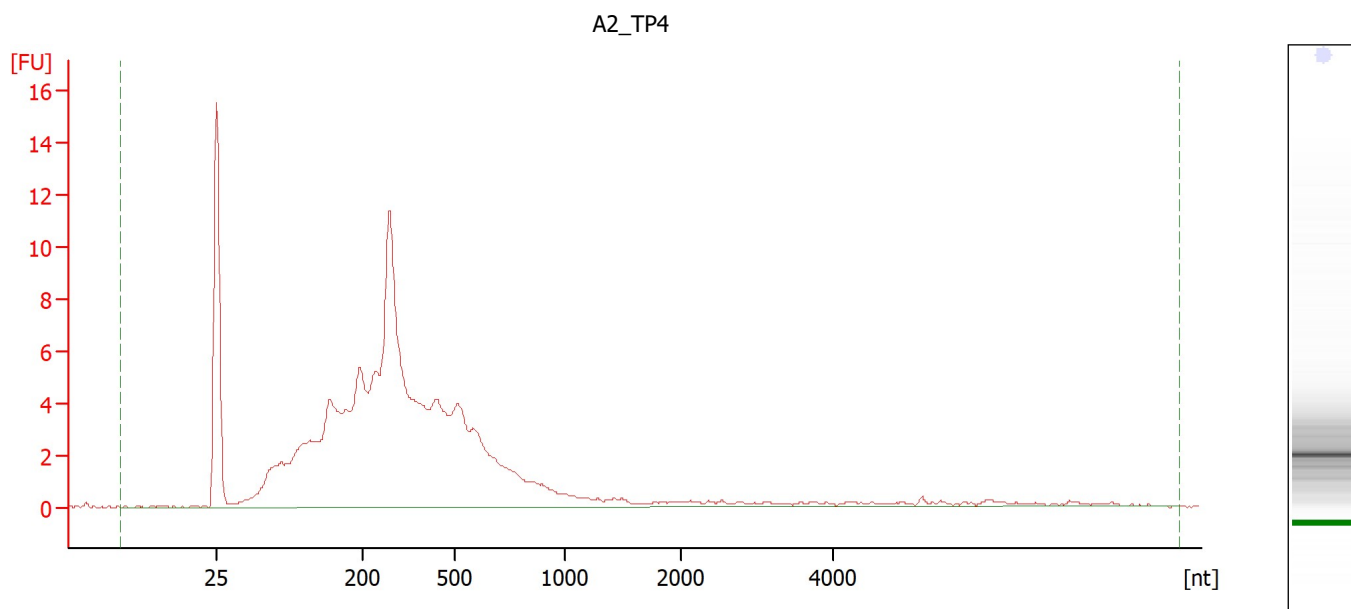
Electropherogram Summary Continued ...**Overall Results for sample 4 : A2_TP3**

RNA Area: 171.7
RNA Concentration: 174 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2 (B.02.11, Anomaly
Threshold(s) manually
adapted)
Result Flagging Color:
Result Flagging Label: RIN:2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-02-25.xad

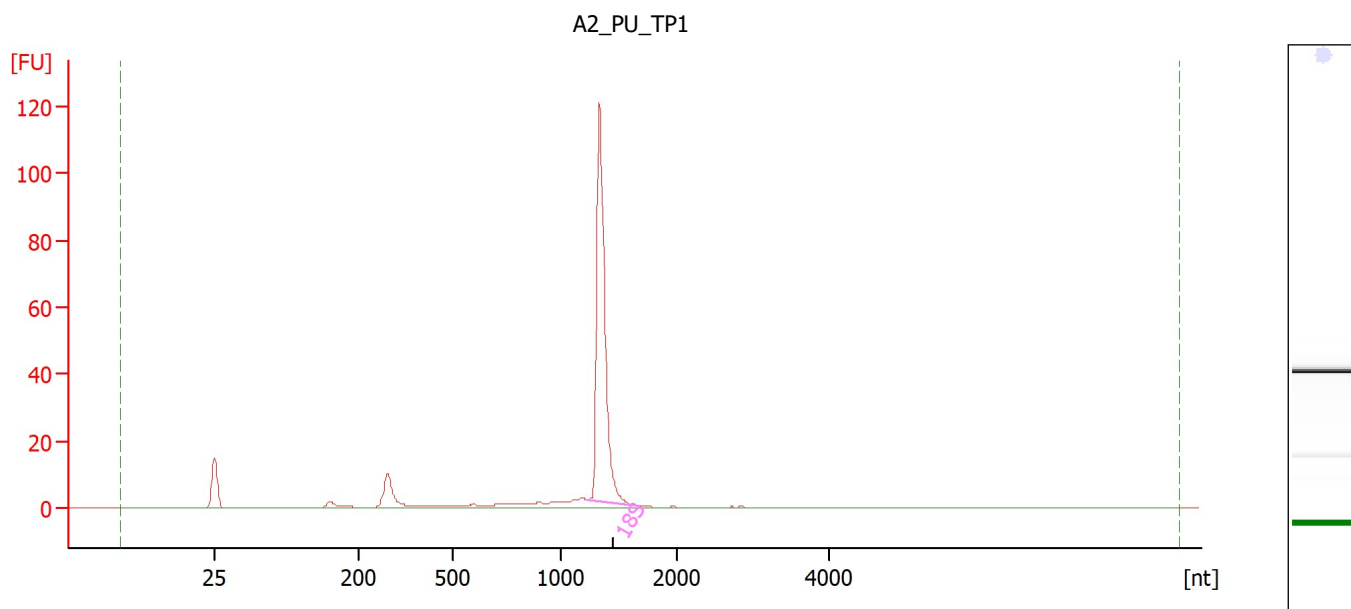
Created: 11/24/2020 12:02:24 PM
Modified: 11/24/2020 1:15:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : A2_TP4**

RNA Area:	144.6	RNA Integrity Number (RIN):	2.2 (B.02.11)
RNA Concentration:	147 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-02-25.xad

Created: 11/24/2020 12:02:24 PM
Modified: 11/24/2020 1:15:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : A2_PU_TP1**

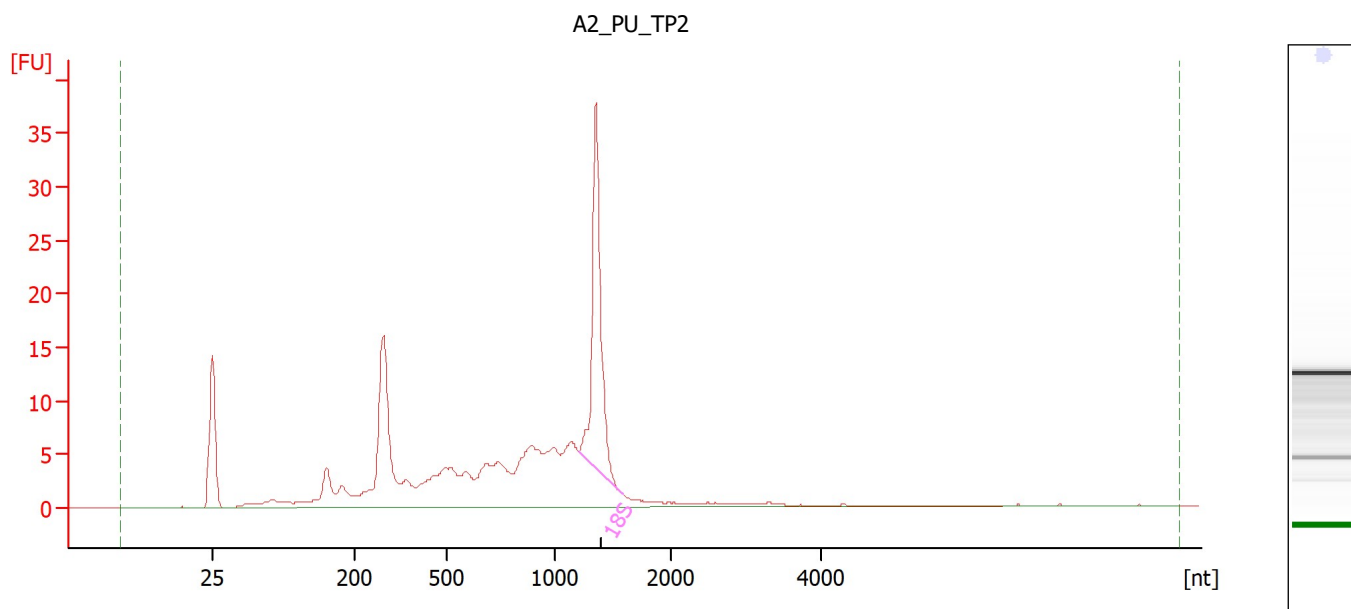
RNA Area:	181.5	RNA Integrity Number (RIN):	8.6 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	184 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.60

Fragment table for sample 6 : A2_PU_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,225	1,676	121.2	66.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-02-25.xad

Created: 11/24/2020 12:02:24 PM
Modified: 11/24/2020 1:15:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : A2_PU_TP2**

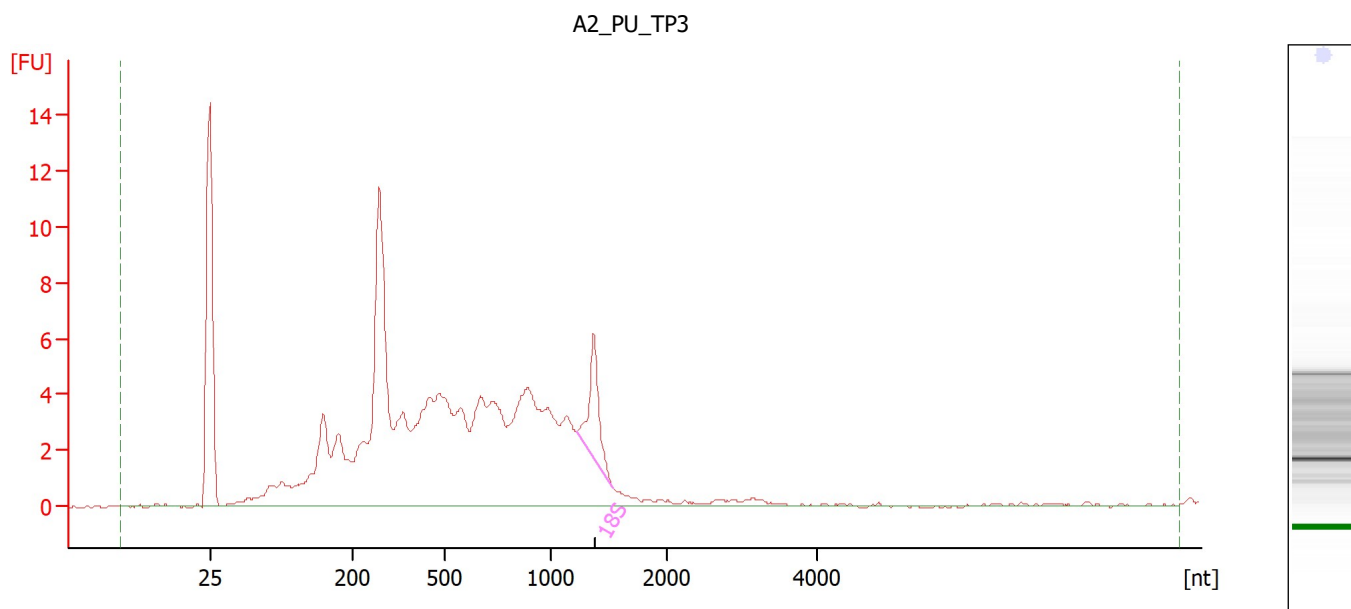
RNA Area:	190.0	RNA Integrity Number (RIN):	5.7 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	193 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 5.70

Fragment table for sample 7 : A2_PU_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,199	1,579	38.1	20.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-02-25.xad

Created: 11/24/2020 12:02:24 PM
Modified: 11/24/2020 1:15:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : A2_PU_TP3**

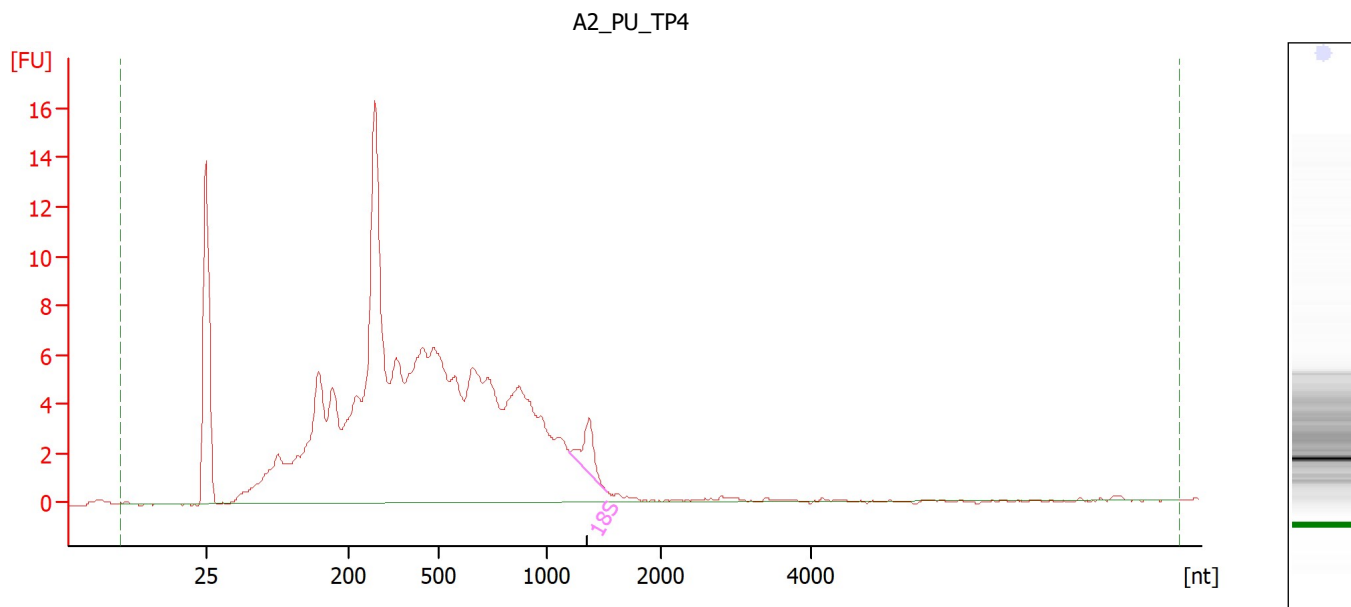
RNA Area:	143.9	RNA Integrity Number (RIN):	3.6 (B.02.11)
RNA Concentration:	146 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.60

Fragment table for sample 8 : A2_PU_TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,213	1,529	5.7	4.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-02-25.xad

Created: 11/24/2020 12:02:24 PM
Modified: 11/24/2020 1:15:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : A2_PU_TP4**

RNA Area:	202.6	RNA Integrity Number (RIN):	2.4 (B.02.11)
RNA Concentration:	205 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Fragment table for sample 9 : A2_PU_TP4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,205	1,523	2.9	1.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-02-25.xad

Created: 11/24/2020 12:02:24 PM
Modified: 11/24/2020 1:15:16 PM

Gel Image