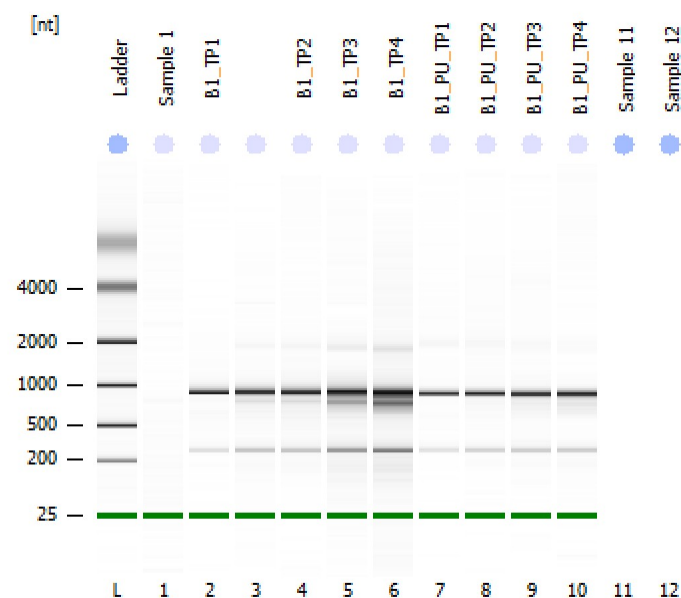


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-30-28.xad

Created: 11/24/2020 11:30:27 AM  
Modified: 11/24/2020 12:04:03 PM

### Electrophoresis File Run Summary



#### Instrument Information:

Instrument Name: DE72901420  
Serial#: DE72901420

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)

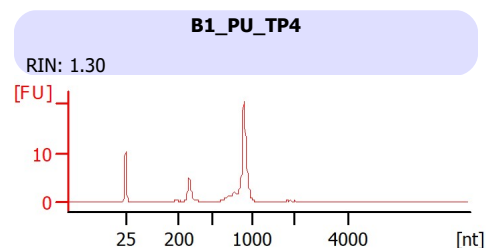
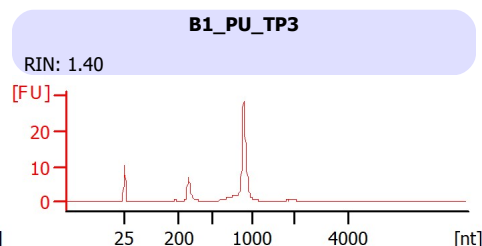
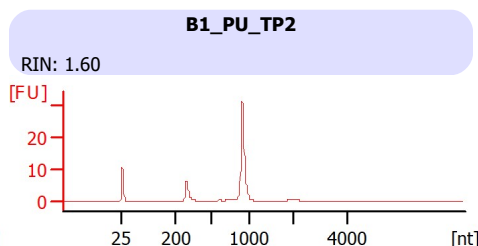
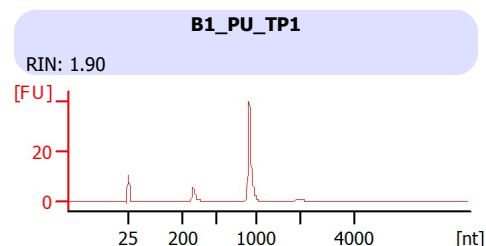
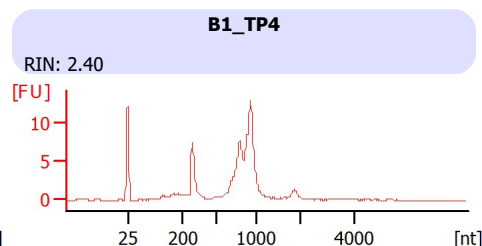
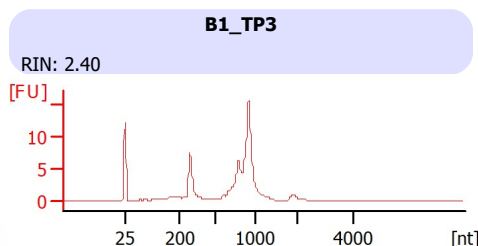
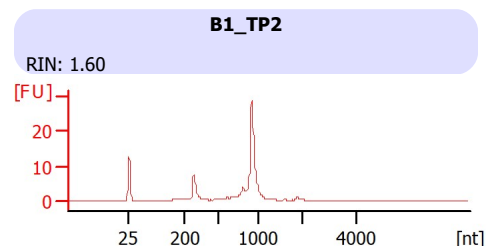
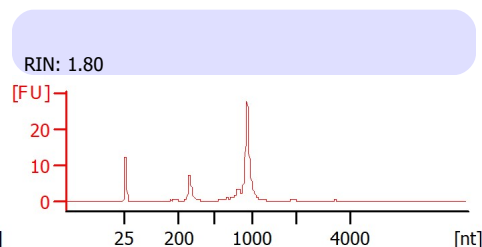
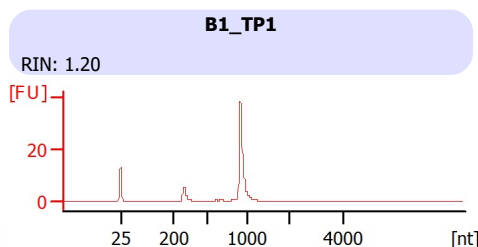
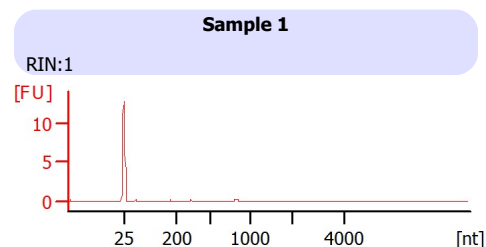
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#### Chip Information:

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\_11-30-28.xad

Created: 11/24/2020 11:30:27 AM  
Modified: 11/24/2020 12:04:03 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Stat Result Label	Result Color
Sample 1		✓ RIN:1	
B1_TP1		✓ RIN: 1.20	
		✓ RIN: 1.80	
B1_TP2		✓ RIN: 1.60	
B1_TP3		✓ RIN: 2.40	
B1_TP4		✓ RIN: 2.40	
B1_PU_TP1		✓ RIN: 1.90	
B1_PU_TP2		✓ RIN: 1.60	
B1_PU_TP3		✓ RIN: 1.40	
B1_PU_TP4		✓ RIN: 1.30	
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\_11-30-28.xad

Created: 11/24/2020 11:30:27 AM  
Modified: 11/24/2020 12:04:03 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

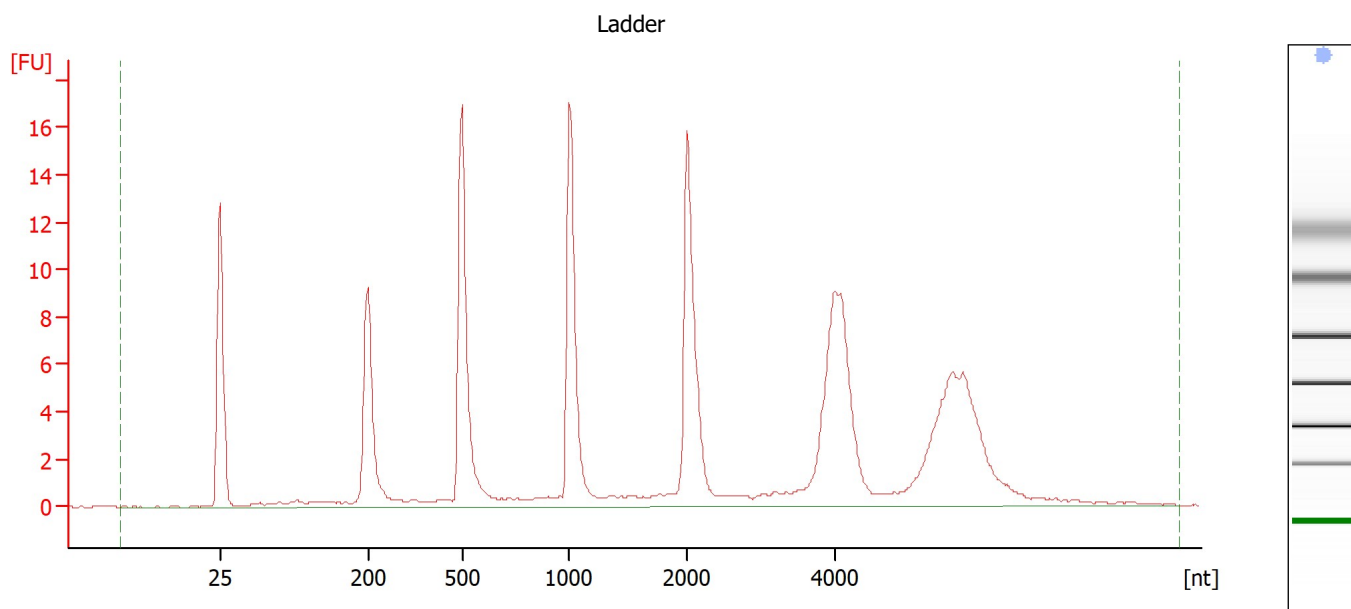
### Ladder

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\_11-30-28.xad

Created: 11/24/2020 11:30:27 AM  
Modified: 11/24/2020 12:04:03 PM

### Electropherogram Summary



### Overall Results for Ladder

RNA Area: 144.5

Result Flagging Color:



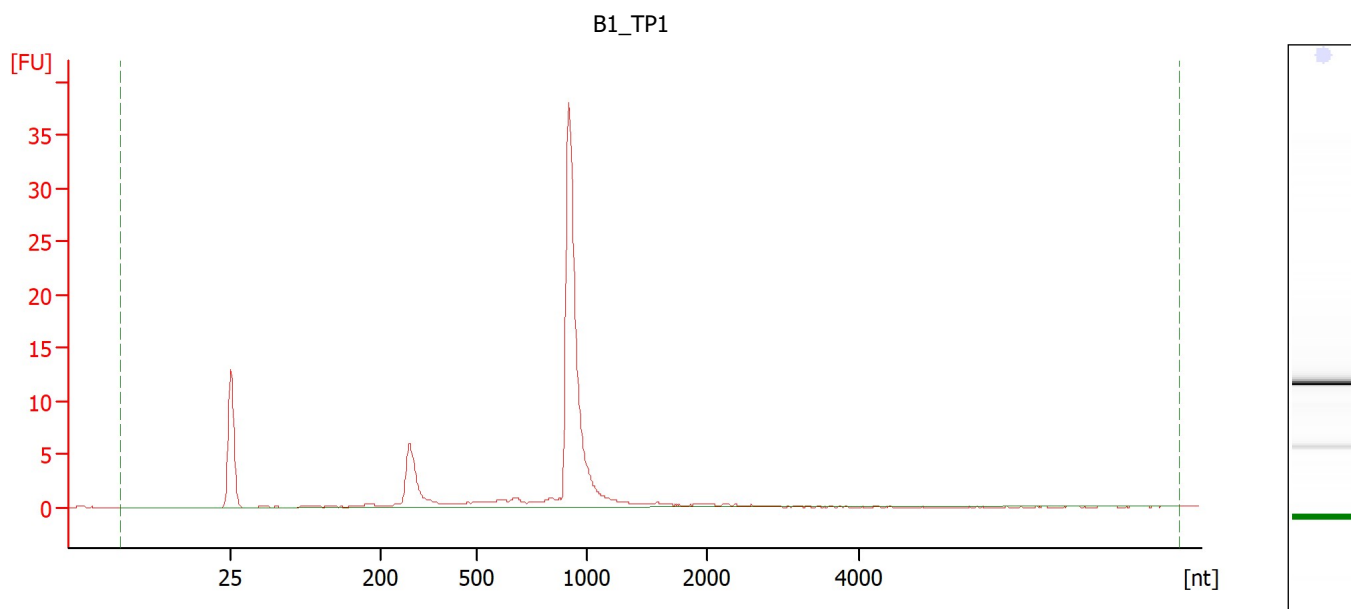
RNA Concentration: 150 ng/μl

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\_11-30-28.xad

Created: 11/24/2020 11:30:27 AM  
Modified: 11/24/2020 12:04:03 PM

**Electropherogram Summary Continued ...****Overall Results for sample 2 : B1\_TP1**

RNA Area: 73.8

RNA Concentration: 77 ng/μl

rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

1.2 (B.02.11,  
Anomaly Threshold(s)  
manually adapted)

Result Flagging Color:

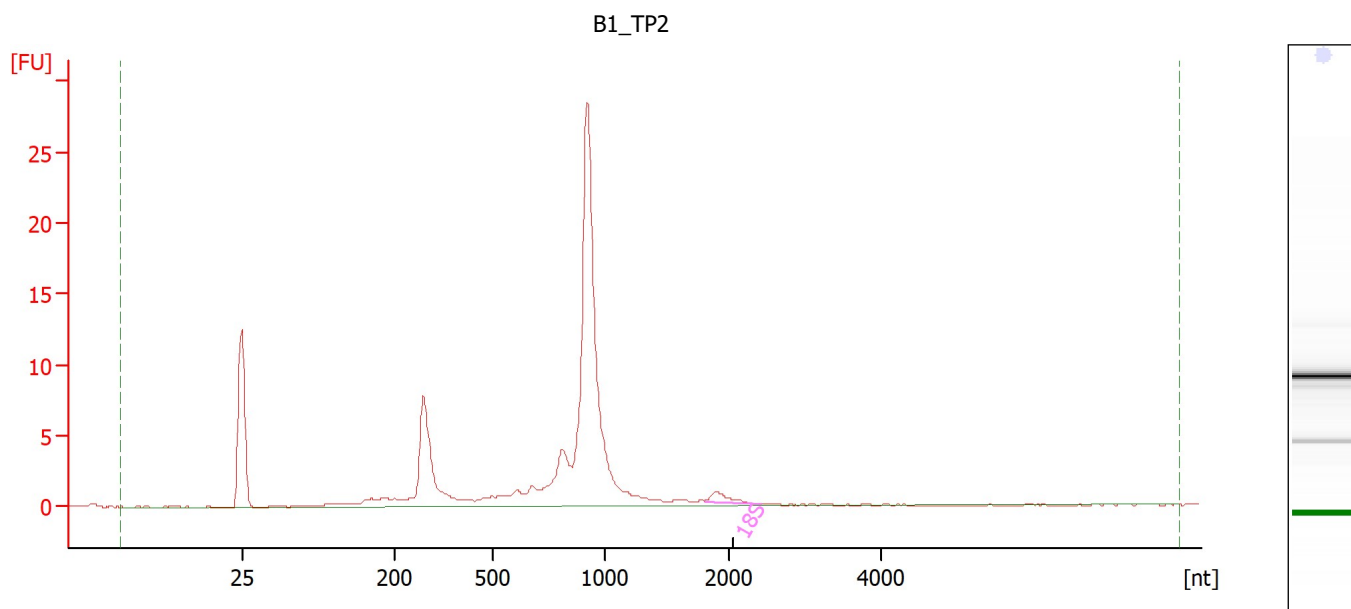


Result Flagging Label:

RIN: 1.20

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-30-28.xad

Created: 11/24/2020 11:30:27 AM  
Modified: 11/24/2020 12:04:03 PM

**Electropherogram Summary Continued ...****Overall Results for sample 4 : B1\_TP2**

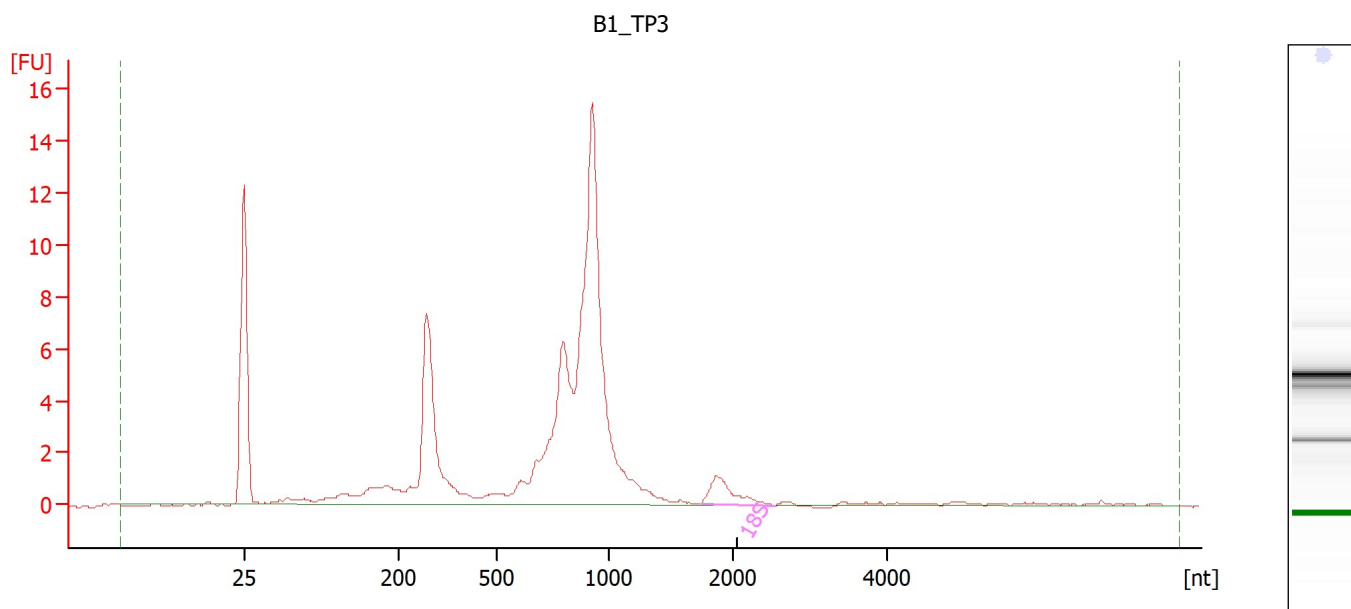
RNA Area:	92.0	RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	95 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 1.60

**Fragment table for sample 4 : B1\_TP2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,807	2,430	1.4	1.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-30-28.xad

Created: 11/24/2020 11:30:27 AM  
Modified: 11/24/2020 12:04:03 PM

**Electropherogram Summary Continued ...****Overall Results for sample 5 : B1\_TP3**

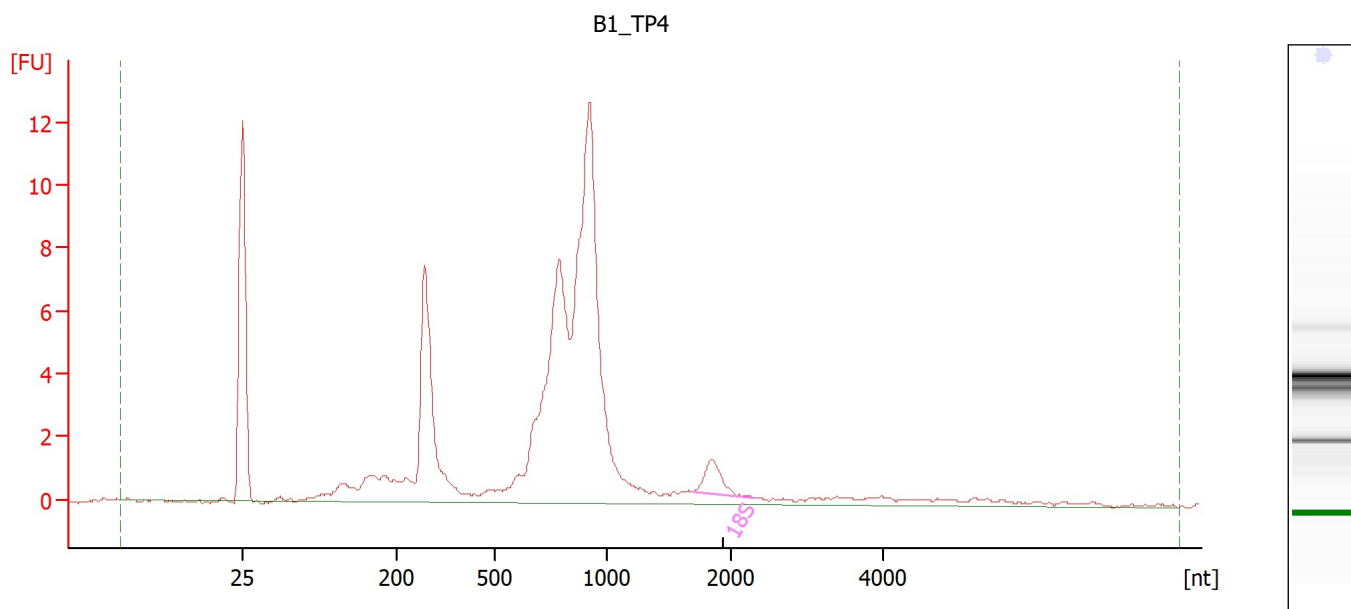
RNA Area:	89.5	RNA Integrity Number (RIN):	2.4 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	93 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 2.40

**Fragment table for sample 5 : B1\_TP3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,739	2,555	3.0	3.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-30-28.xad

Created: 11/24/2020 11:30:27 AM  
Modified: 11/24/2020 12:04:03 PM

**Electropherogram Summary Continued ...****Overall Results for sample 6 : B1\_TP4**

RNA Area:	95.3	RNA Integrity Number (RIN):	2.4 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	99 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: 2.40

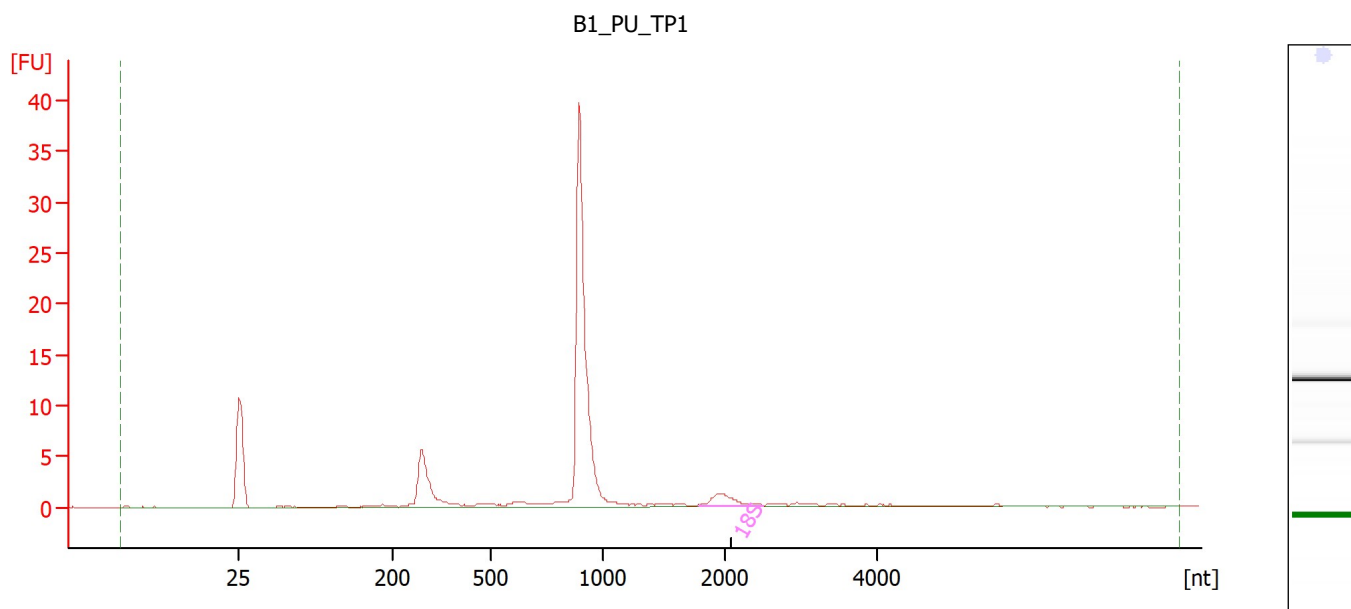
**Fragment table for sample 6 : B1\_TP4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,695	2,291	2.1	2.3



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-30-28.xad

Created: 11/24/2020 11:30:27 AM  
Modified: 11/24/2020 12:04:03 PM

**Electropherogram Summary Continued ...****Overall Results for sample 7 : B1\_PU\_TP1**

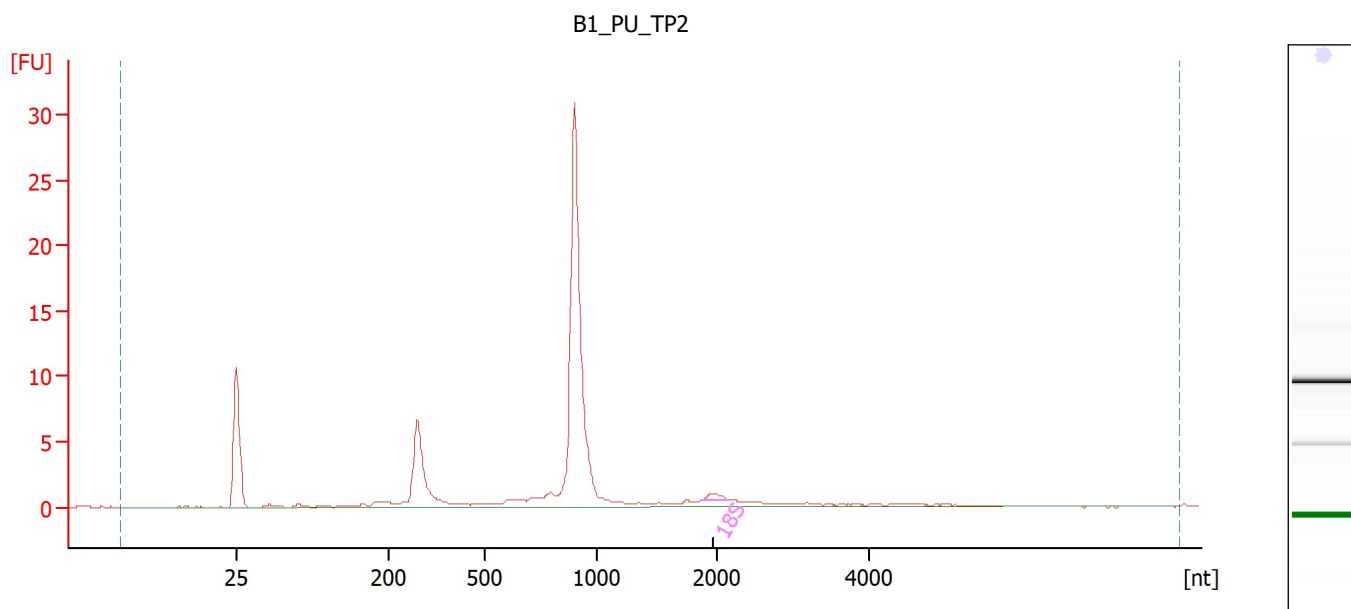
RNA Area:	71.7	RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	74 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 1.90

**Fragment table for sample 7 : B1\_PU\_TP1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,795	2,512	2.7	3.8

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-30-28.xad

Created: 11/24/2020 11:30:27 AM  
Modified: 11/24/2020 12:04:03 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : B1\_PU\_TP2**

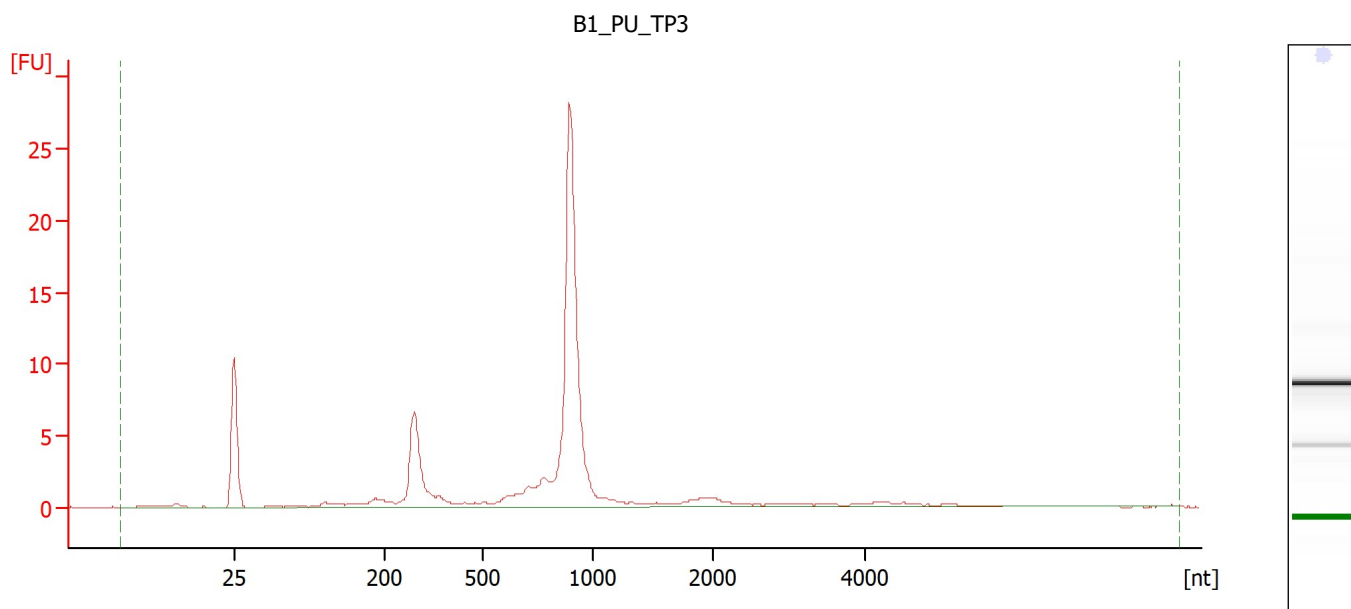
RNA Area:	73.3	RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	76 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 1.60

**Fragment table for sample 8 : B1\_PU\_TP2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,853	2,132	0.8	1.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-30-28.xad

Created: 11/24/2020 11:30:27 AM  
Modified: 11/24/2020 12:04:03 PM

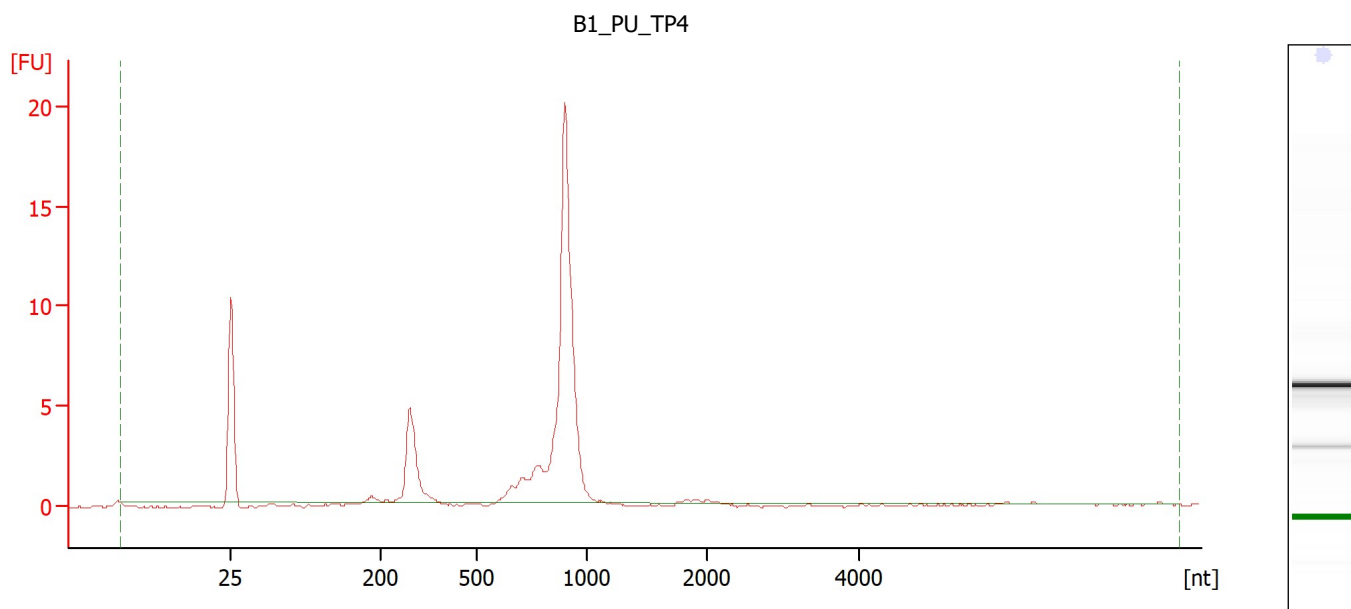
**Electropherogram Summary Continued ...****Overall Results for sample 9 : B1\_PU\_TP3**

RNA Area: 77.6  
RNA Concentration: 81 ng/μl  
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 1.4 (B.02.11,  
Anomaly Threshold(s)  
manually adapted)  
Result Flagging Color:   
Result Flagging Label: RIN: 1.40

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-30-28.xad

Created: 11/24/2020 11:30:27 AM  
Modified: 11/24/2020 12:04:03 PM

**Electropherogram Summary Continued ...****Overall Results for sample 10 : B1 PU TP4**

RNA Area: 47.9  
RNA Concentration: 50 ng/μl  
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

1.3 (B.02.11,  
Anomaly Threshold(s)  
manually adapted)

Result Flagging Color:



Result Flagging Label:

RIN: 1.30

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-30-28.xad

Created: 11/24/2020 11:30:27 AM  
Modified: 11/24/2020 12:04:03 PM

**Gel Image**