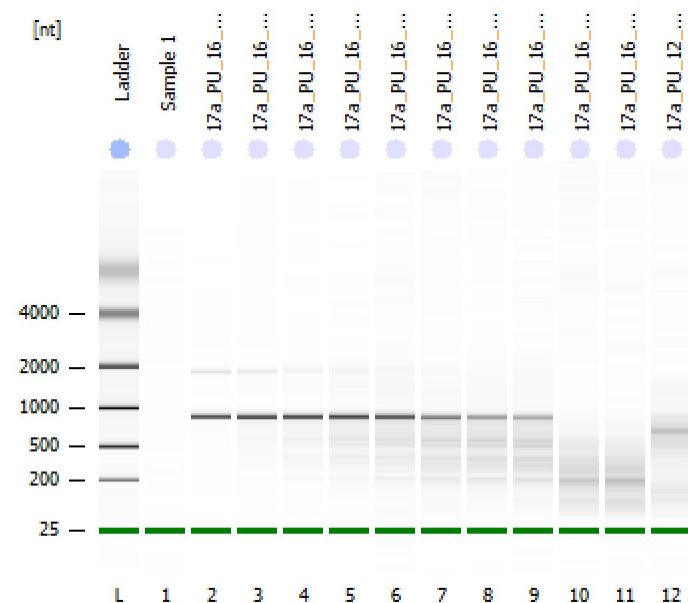


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_16-18-58.xad

Created: 12/10/2020 4:18:57 PM  
Modified: 12/10/2020 5:01:44 PM

**Electrophoresis File Run Summary****Instrument 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)

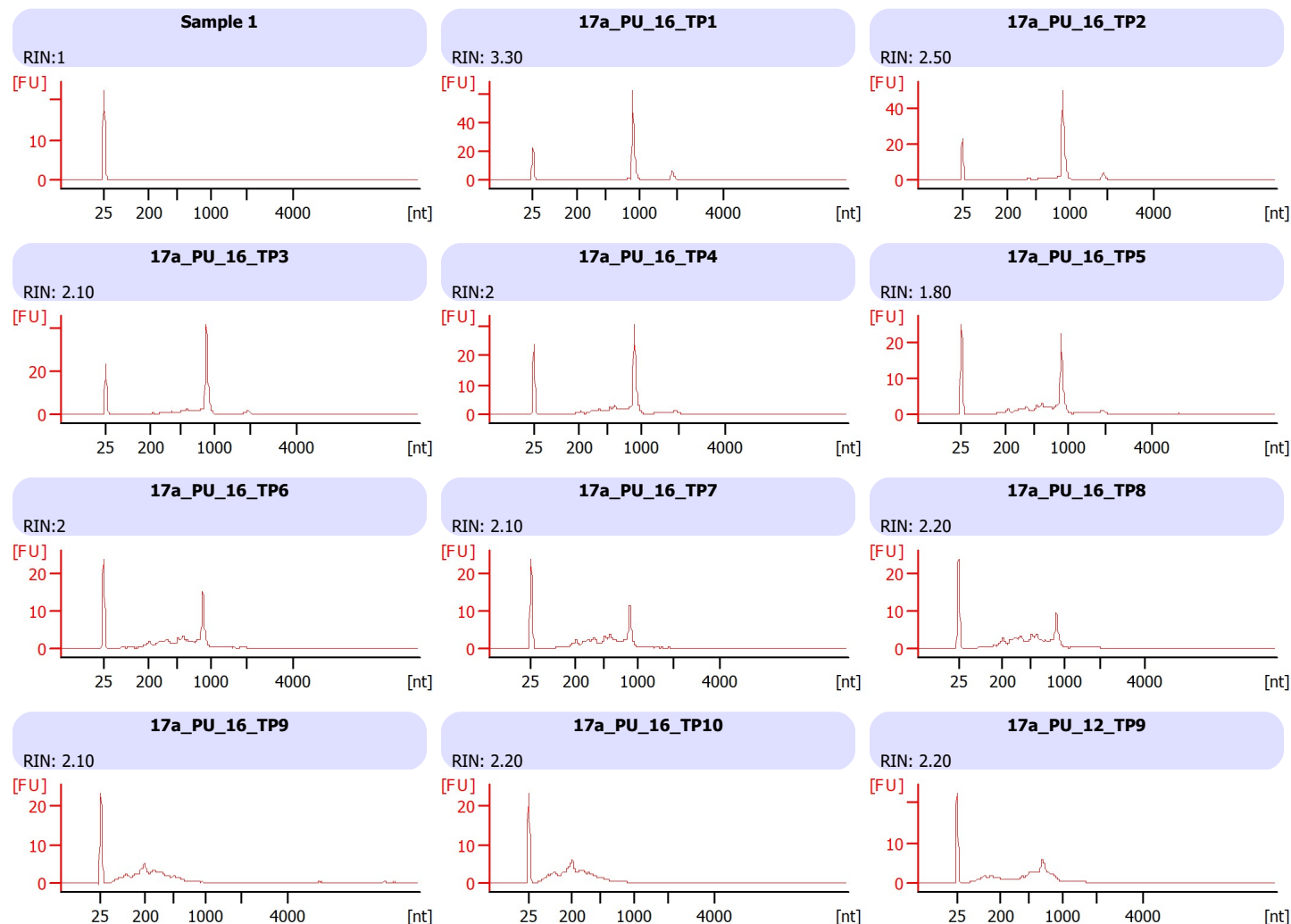
© Copyright 2003 - 2009 Agilent Technologies, Inc.

**Chip Information:**

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_16-18-58.xad

Created: 12/10/2020 4:18:57 PM  
Modified: 12/10/2020 5:01:44 PM

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

Sample Name	Sample Comment	Stat Result Label	Result Color
Sample 1		✓ RIN:1	
17a_PU_16_TP1		✓ RIN: 3.30	
17a_PU_16_TP2		✓ RIN: 2.50	
17a_PU_16_TP3		✓ RIN: 2.10	
17a_PU_16_TP4		✓ RIN:2	
17a_PU_16_TP5		✓ RIN: 1.80	
17a_PU_16_TP6		✓ RIN:2	
17a_PU_16_TP7		✓ RIN: 2.10	
17a_PU_16_TP8		✓ RIN: 2.20	
17a_PU_16_TP9		✓ RIN: 2.10	
17a_PU_16_TP10		✓ RIN: 2.20	
17a_PU_12_TP9		✓ RIN: 2.20	
Ladder		✓ All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_16-18-58.xad

Created: 12/10/2020 4:18:57 PM  
Modified: 12/10/2020 5:01:44 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

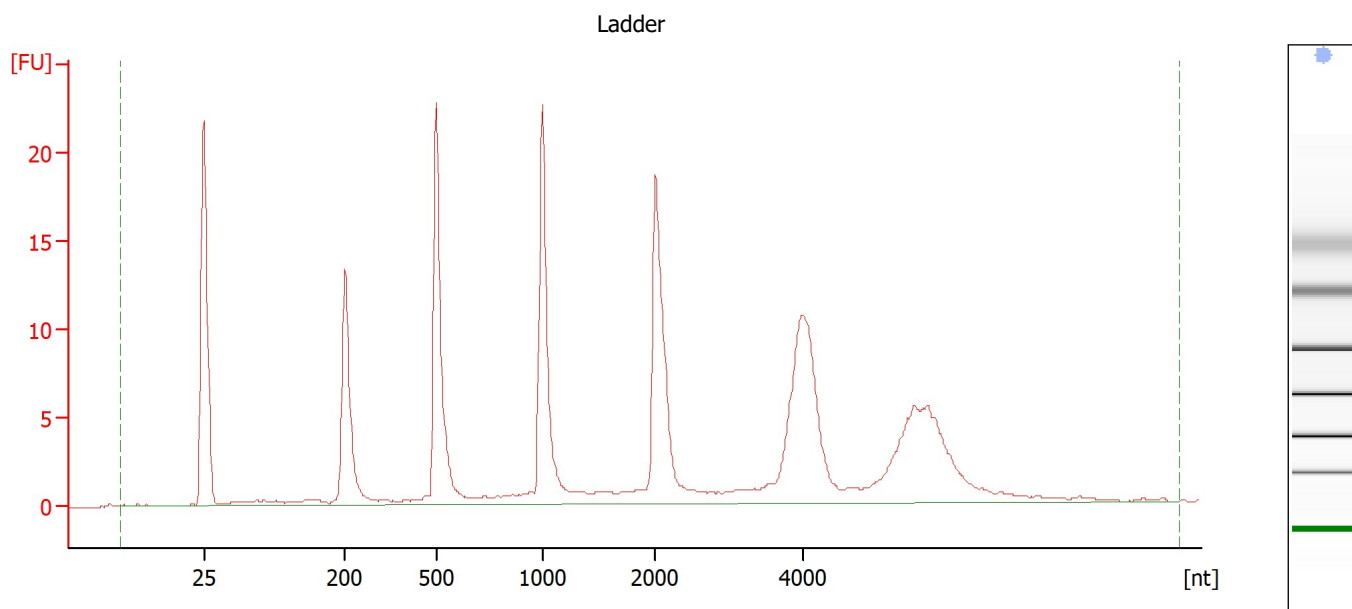
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_16-18-58.xad

Created: 12/10/2020 4:18:57 PM  
Modified: 12/10/2020 5:01:44 PM

### Electropherogram Summary



### Overall Results for Ladder

RNA Area: 184.6

Result Flagging Color:



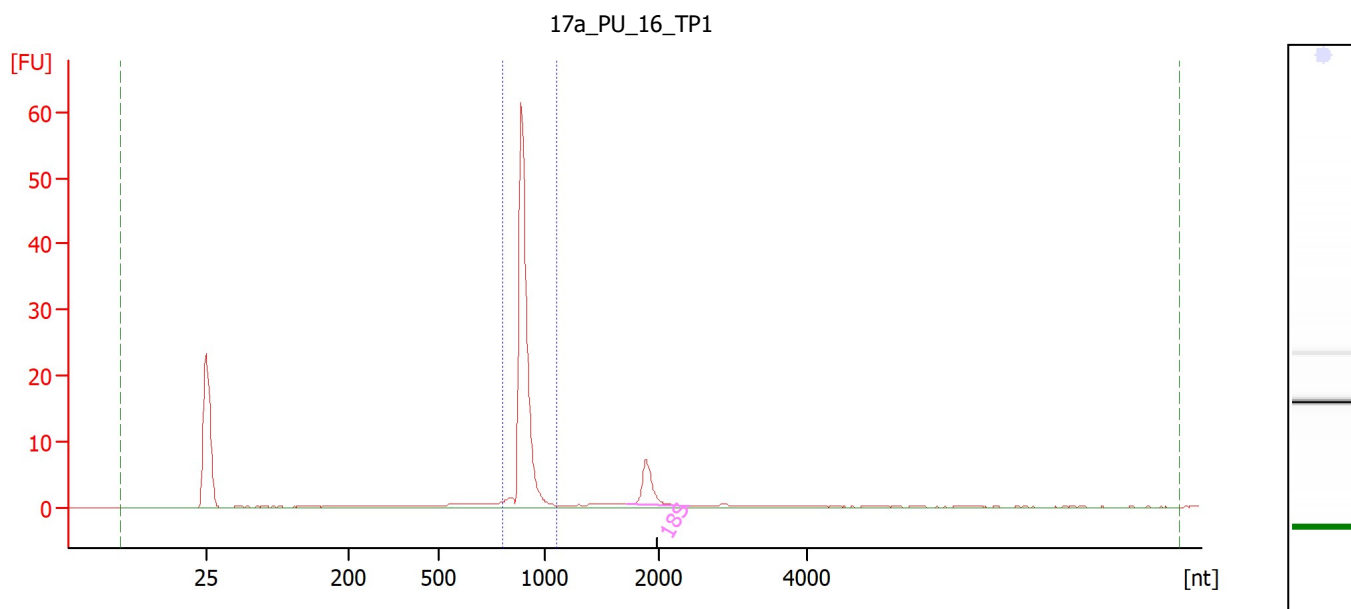
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_16-18-58.xad

Created: 12/10/2020 4:18:57 PM  
 Modified: 12/10/2020 5:01:44 PM

**Electropherogram Summary Continued ...****Overall Results for sample 2 : 17a PU 16 TP1**

RNA Area:	95.8	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	78 ng/μl	Result Flagging Label:	RIN: 3.30
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	68.5
RNA Integrity Number (RIN):	3.3 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Fragment table for sample 2 : 17a PU 16 TP1**

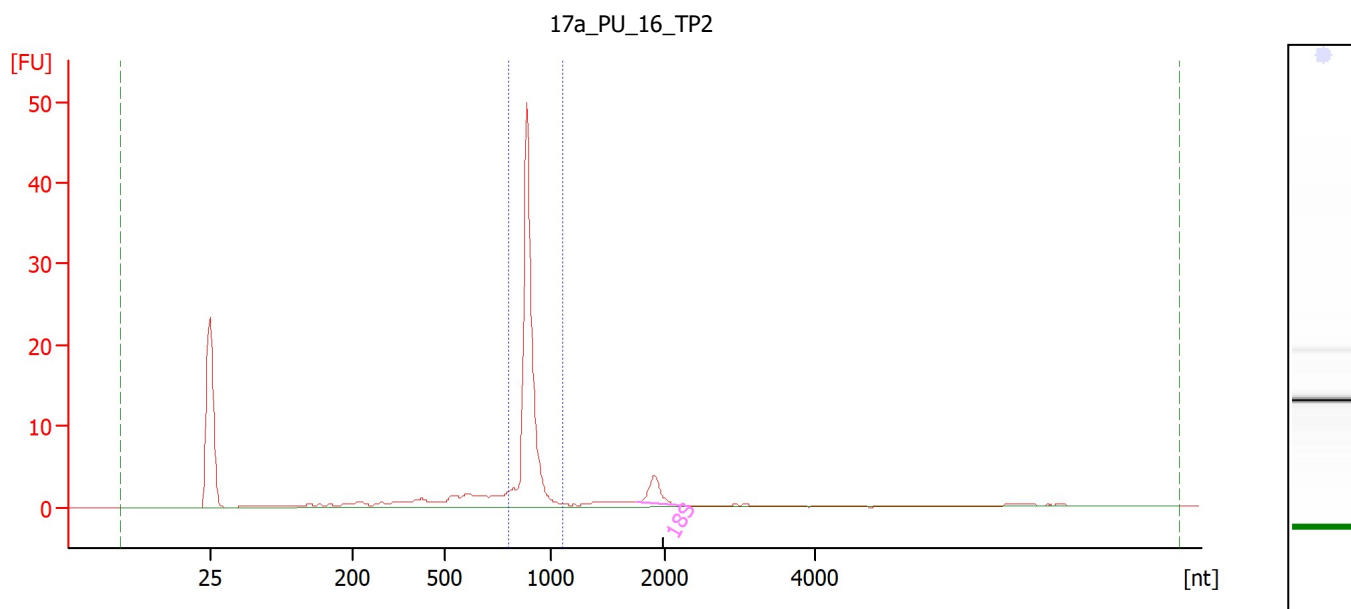
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,710	2,392	8.5	8.9

**Region table for sample 2 : 17a PU 16 TP1**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	68.5	72	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_16-18-58.xad

Created: 12/10/2020 4:18:57 PM  
 Modified: 12/10/2020 5:01:44 PM

**Electropherogram Summary Continued ...****Overall Results for sample 3 : 17a PU 16 TP2**

RNA Area:	99.1	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	81 ng/μl	Result Flagging Label:	RIN: 2.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	61.6
RNA Integrity Number (RIN):	2.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Fragment table for sample 3 : 17a PU 16 TP2**

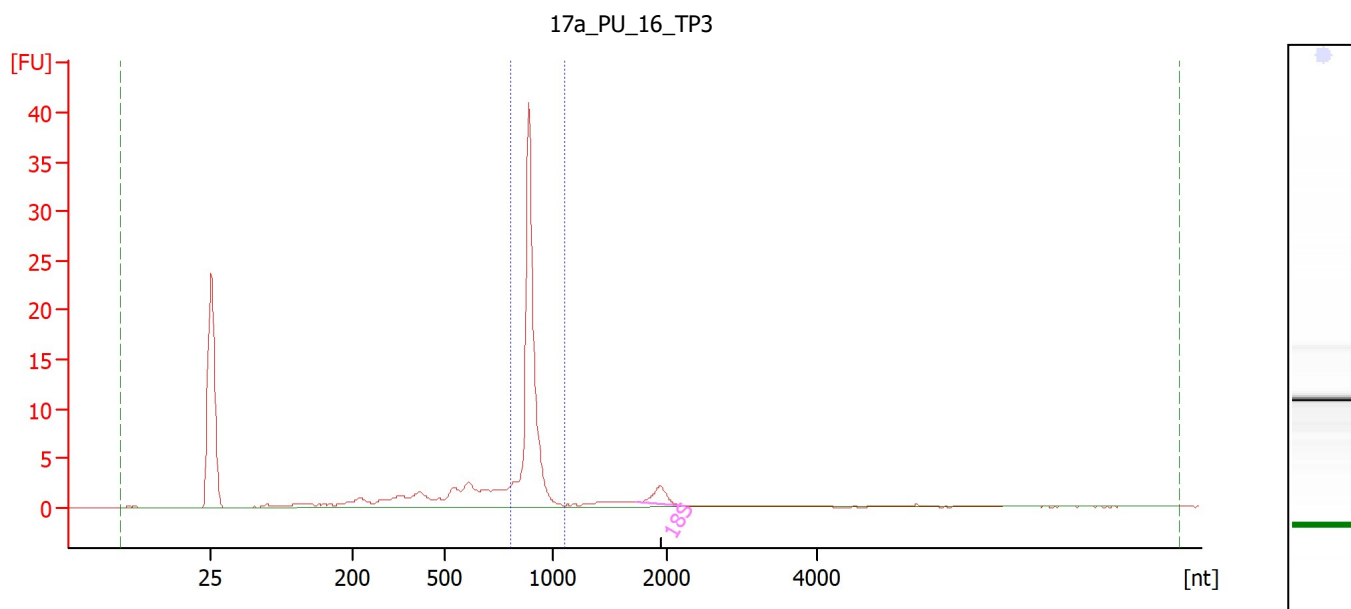
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,743	2,322	5.2	5.2

**Region table for sample 3 : 17a PU 16 TP2**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	61.6	62	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_16-18-58.xad

Created: 12/10/2020 4:18:57 PM  
 Modified: 12/10/2020 5:01:44 PM

**Electropherogram Summary Continued ...****Overall Results for sample 4 : 17a PU 16 TP3**

RNA Area:	89.3	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	73 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	50.8
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Fragment table for sample 4 : 17a PU 16 TP3**

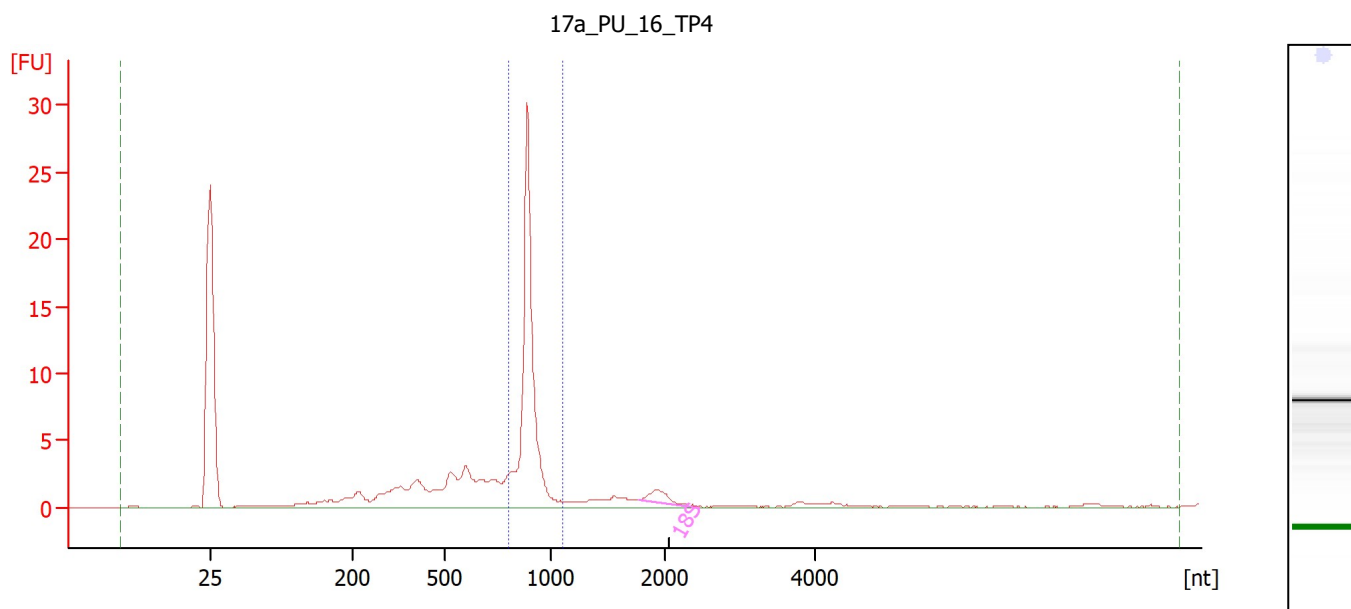
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,735	2,237	3.1	3.4

**Region table for sample 4 : 17a PU 16 TP3**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	50.8	57	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_16-18-58.xad

Created: 12/10/2020 4:18:57 PM  
 Modified: 12/10/2020 5:01:44 PM

**Electropherogram Summary Continued ...****Overall Results for sample 5 : 17a PU 16 TP4**

RNA Area:	91.3	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	74 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	40.7
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Fragment table for sample 5 : 17a PU 16 TP4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,771	2,437	2.0	2.2

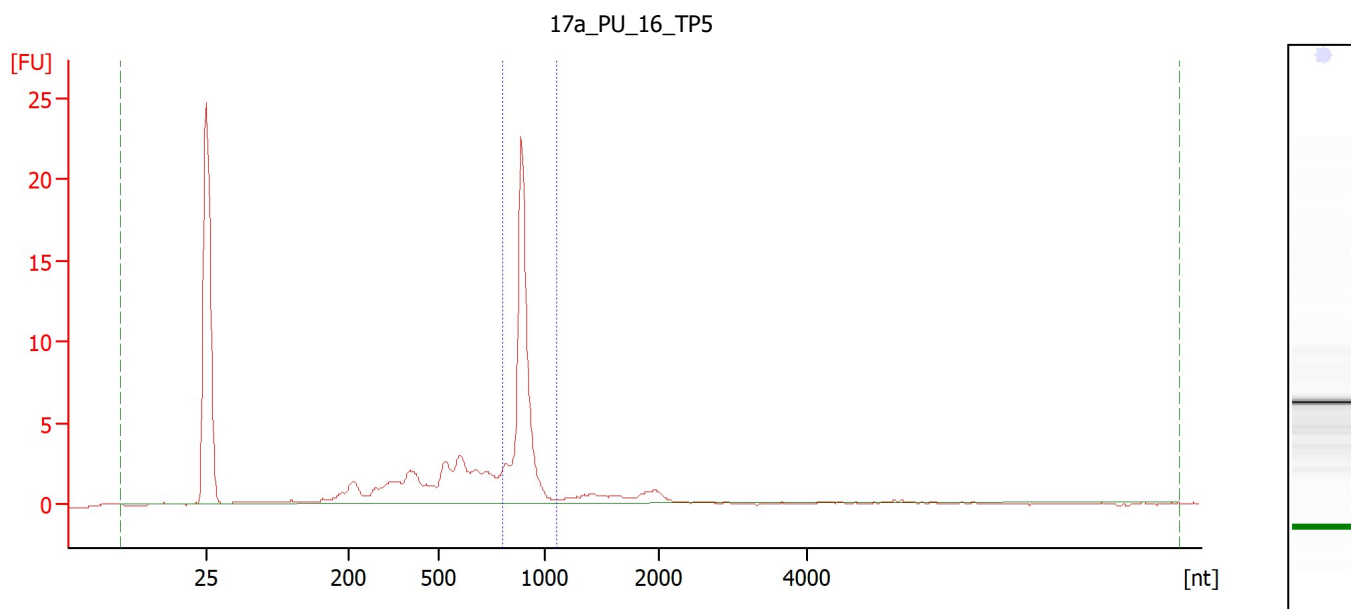
**Region table for sample 5 : 17a PU 16 TP4**


Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	40.7	45	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>




Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_16-18-58.xad

Created: 12/10/2020 4:18:57 PM  
Modified: 12/10/2020 5:01:44 PM

**Electropherogram Summary Continued ...****Overall Results for sample 6 : 17a PU 16 TP5**

RNA Area:	75.3	Result Flagging Color:	
RNA Concentration:	61 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	32.1
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)		

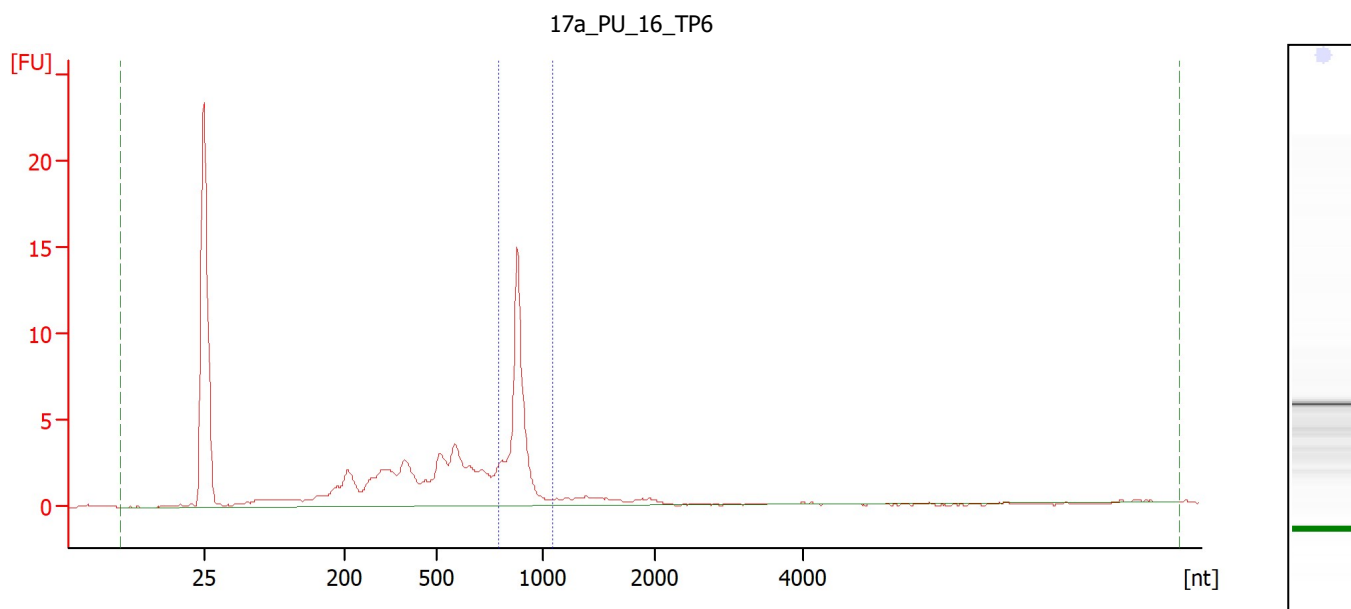
**Region table for sample 6 : 17a PU 16 TP5**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	32.1	43	

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_16-18-58.xad

Created: 12/10/2020 4:18:57 PM  
 Modified: 12/10/2020 5:01:44 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 7 : 17a PU 16 TP6

RNA Area:	80.3	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	65 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	23.9
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

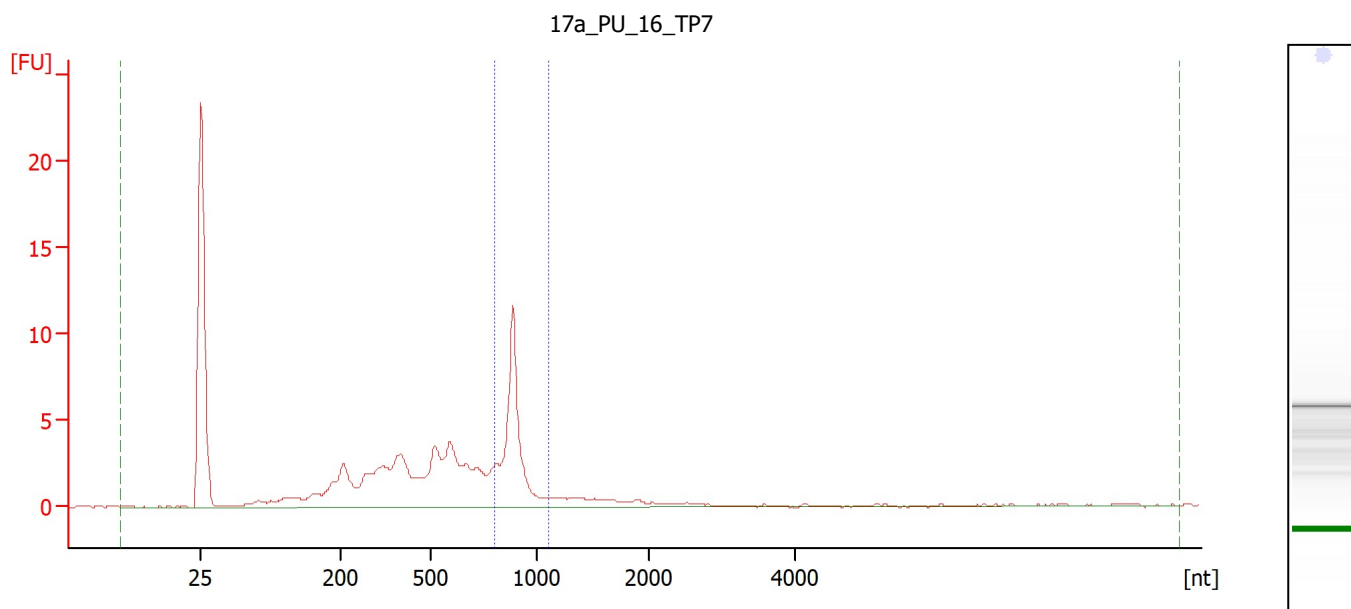
### Region table for sample 7 : 17a PU 16 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	23.9	30	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_16-18-58.xad

Created: 12/10/2020 4:18:57 PM  
 Modified: 12/10/2020 5:01:44 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 8 : 17a PU 16 TP7

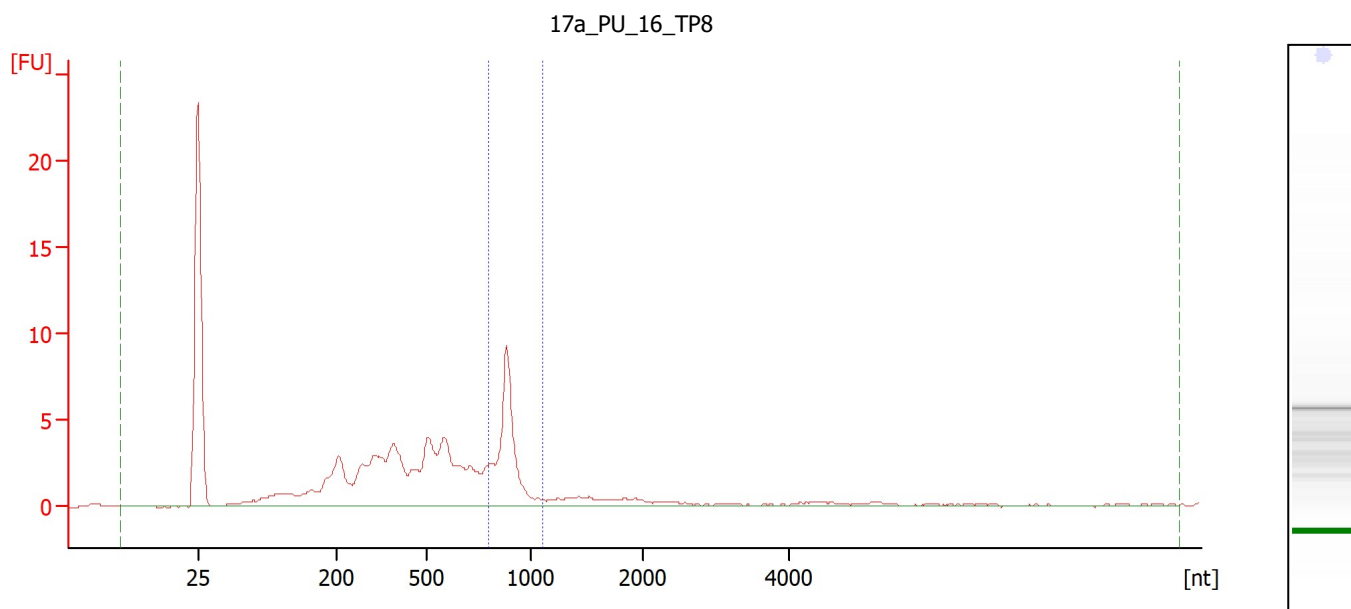
RNA Area:	84.2	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	68 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	20.5
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

### Region table for sample 8 : 17a PU 16 TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	20.5	24	<span style="background-color: #0000ff; border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_16-18-58.xad

Created: 12/10/2020 4:18:57 PM  
 Modified: 12/10/2020 5:01:44 PM

**Electropherogram Summary Continued ...****Overall Results for sample 9 : 17a PU 16 TP8**

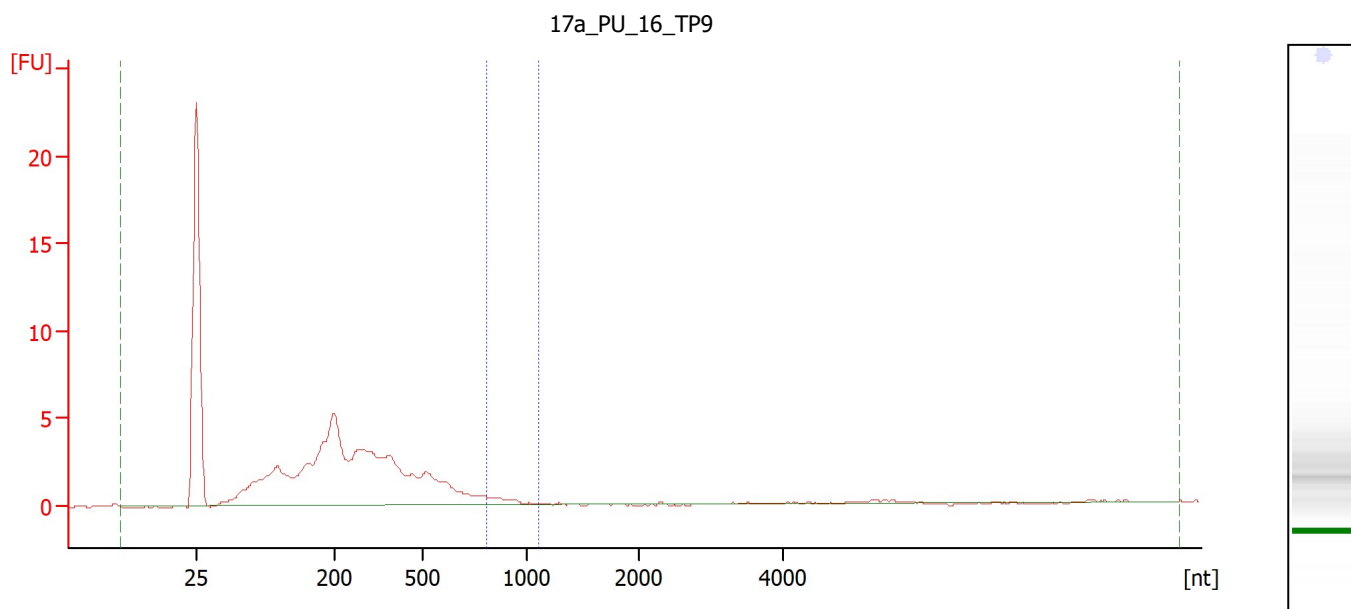
RNA Area:	93.1	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	76 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	18.0
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Region table for sample 9 : 17a PU 16 TP8**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	18.0	19	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_16-18-58.xad

Created: 12/10/2020 4:18:57 PM  
Modified: 12/10/2020 5:01:44 PM

**Electropherogram Summary Continued ...****Overall Results for sample 10 : 17a\_PU\_16\_TP9**

RNA Area:	82.7	Result Flagging Color:	<div style="background-color: #d1c4e9; width: 20px; height: 10px; display: inline-block;"></div>
RNA Concentration:	67 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	1.7
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

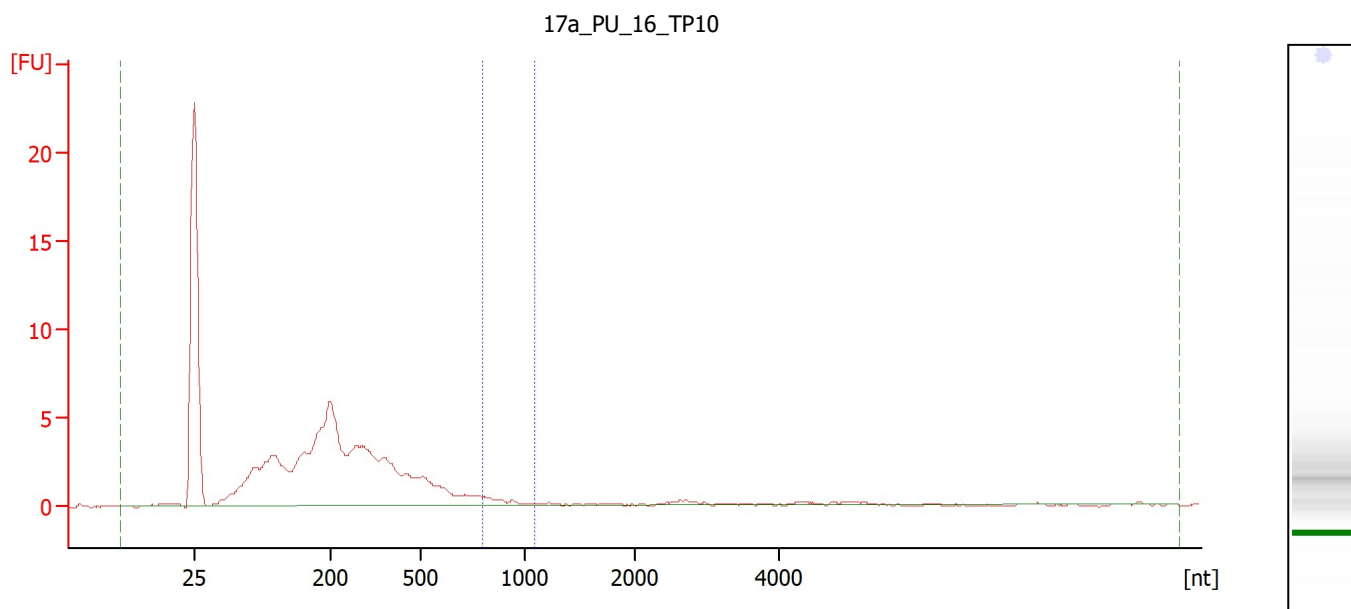
**Region table for sample 10 : 17a\_PU\_16\_TP9**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	1.7	2	<div style="background-color: #0000ff; width: 20px; height: 10px; display: inline-block;"></div>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_16-18-58.xad

Created: 12/10/2020 4:18:57 PM  
 Modified: 12/10/2020 5:01:44 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 11 : 17a PU 16 TP10

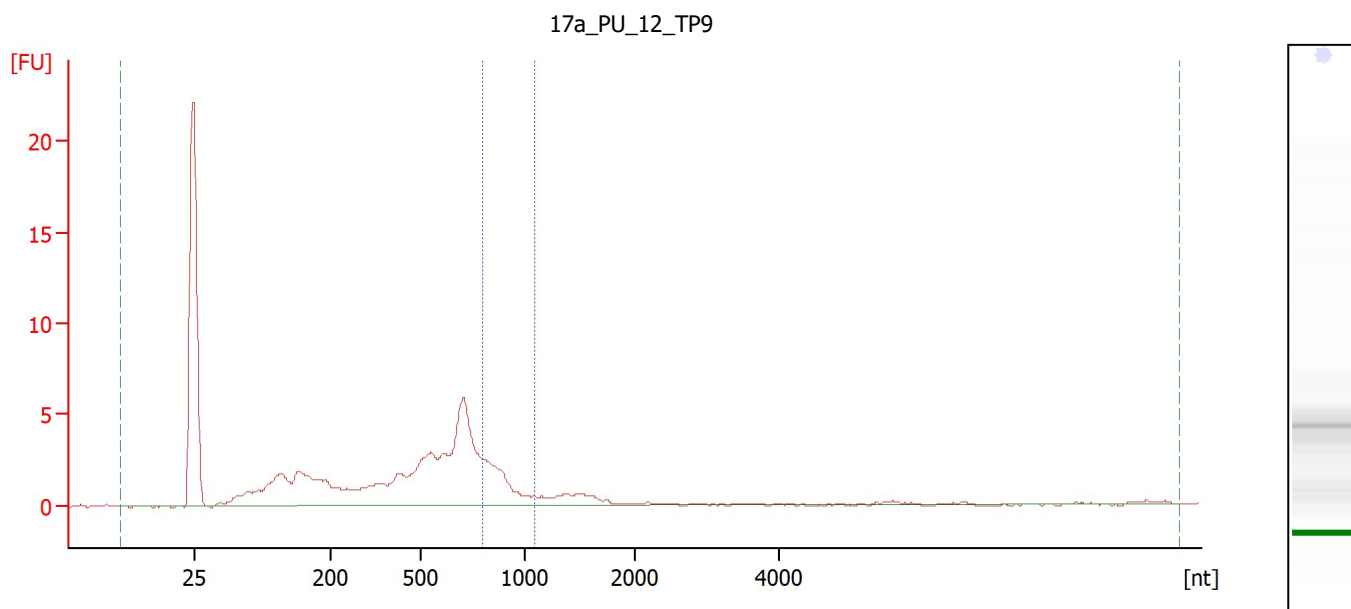
RNA Area:	95.2	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	77 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	1.7
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

### Region table for sample 11 : 17a PU 16 TP10

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	1.7	2	<span style="background-color: #0000ff; display: inline-block; width: 15px; height: 10px;"></span>

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_16-18-58.xad

Created: 12/10/2020 4:18:57 PM  
Modified: 12/10/2020 5:01:44 PM

**Electropherogram Summary Continued ...****Overall Results for sample 12 : 17a\_PU\_12\_TP9**

RNA Area:	76.5	Result Flagging Color:	
RNA Concentration:	62 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	9.0
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Region table for sample 12 : 17a\_PU\_12\_TP9**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	9.0	12	

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_16-18-58.xad

Created: 12/10/2020 4:18:57 PM  
Modified: 12/10/2020 5:01:44 PM

**Gel Image**