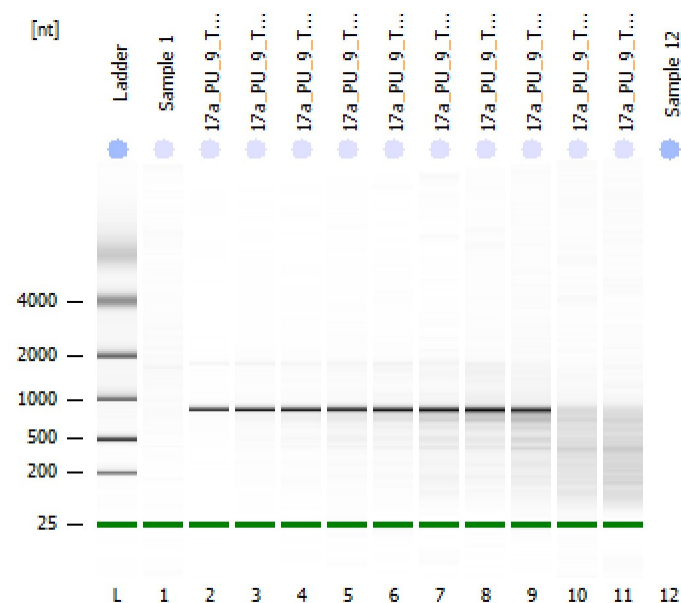


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_13-15-38.xad

Created: 12/10/2020 1:15:37 PM  
Modified: 12/10/2020 3:04:09 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)

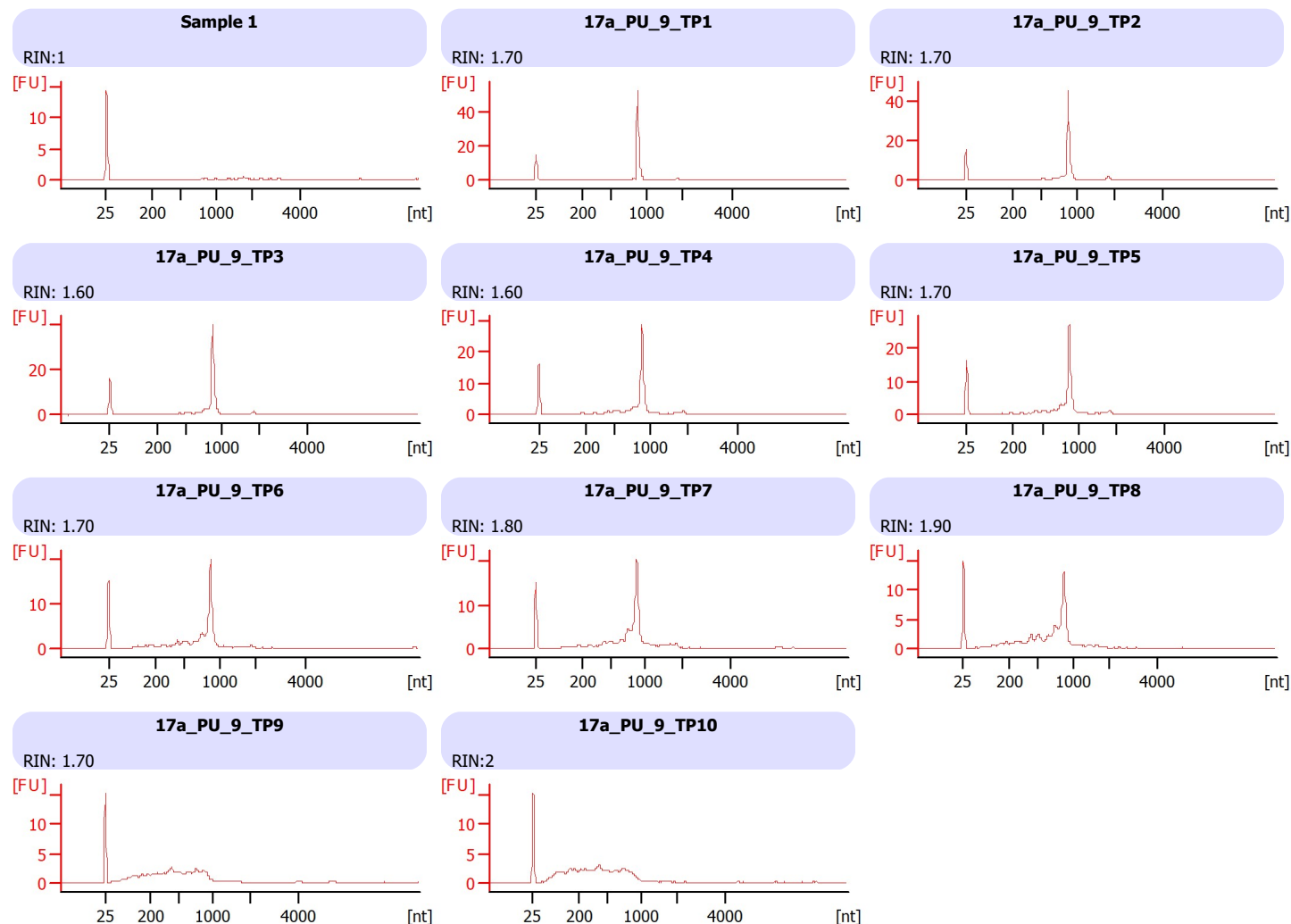
© Copyright 2003 - 2009 Agilent Technologies, Inc.

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\_13-15-38.xad

Created: 12/10/2020 1:15:37 PM  
Modified: 12/10/2020 3:04:09 PM

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

Sample Name	Sample Comment	Stat Result Label	Result Color
Sample 1		✓ RIN:1	
17a_PU_9_TP1		✓ RIN: 1.70	
17a_PU_9_TP2		✓ RIN: 1.70	
17a_PU_9_TP3		✓ RIN: 1.60	
17a_PU_9_TP4		✓ RIN: 1.60	
17a_PU_9_TP5		✓ RIN: 1.70	
17a_PU_9_TP6		✓ RIN: 1.70	
17a_PU_9_TP7		✓ RIN: 1.80	
17a_PU_9_TP8		✓ RIN: 1.90	
17a_PU_9_TP9		✓ RIN: 1.70	
17a_PU_9_TP10		✓ RIN:2	
Sample 12			
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\_13-15-38.xad

Created: 12/10/2020 1:15:37 PM  
Modified: 12/10/2020 3:04:09 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/ $\mu$ l] : 150  
Lower Marker Concentration [ng/ $\mu$ l] : 0  
Upper Marker Concentration [ng/ $\mu$ l] : 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

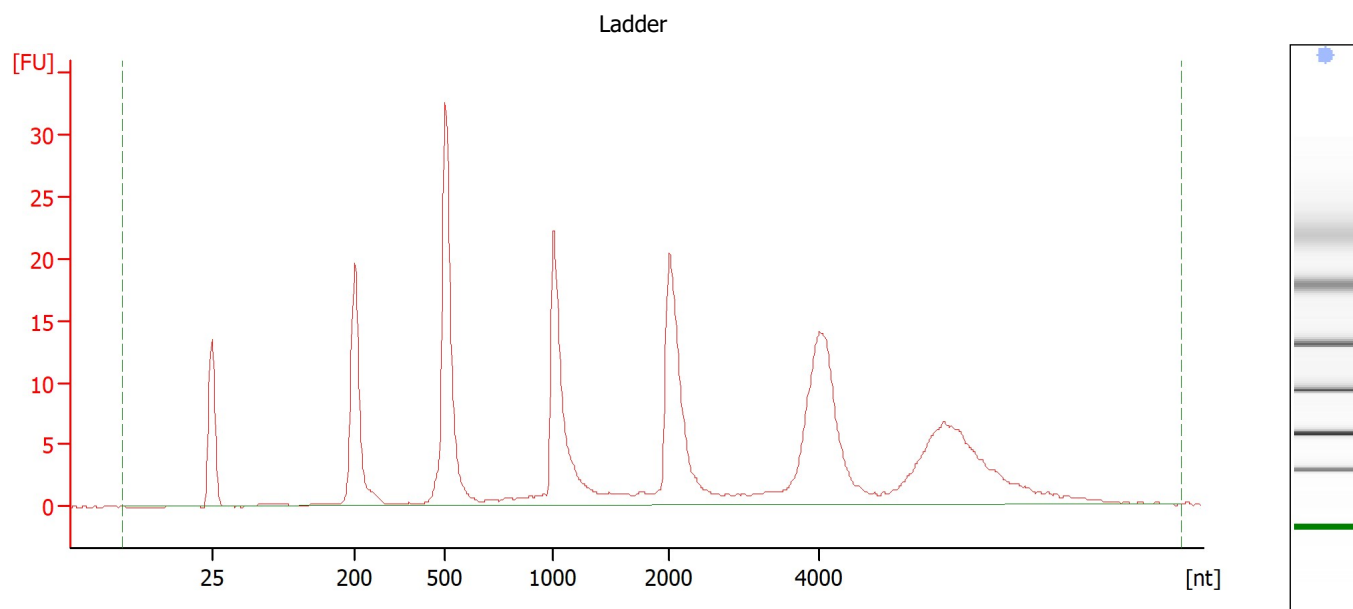
### Ladder

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\_13-15-38.xad

Created: 12/10/2020 1:15:37 PM  
Modified: 12/10/2020 3:04:09 PM

### Electropherogram Summary



### Overall Results for Ladder

RNA Area: 259.1

Result Flagging Color:



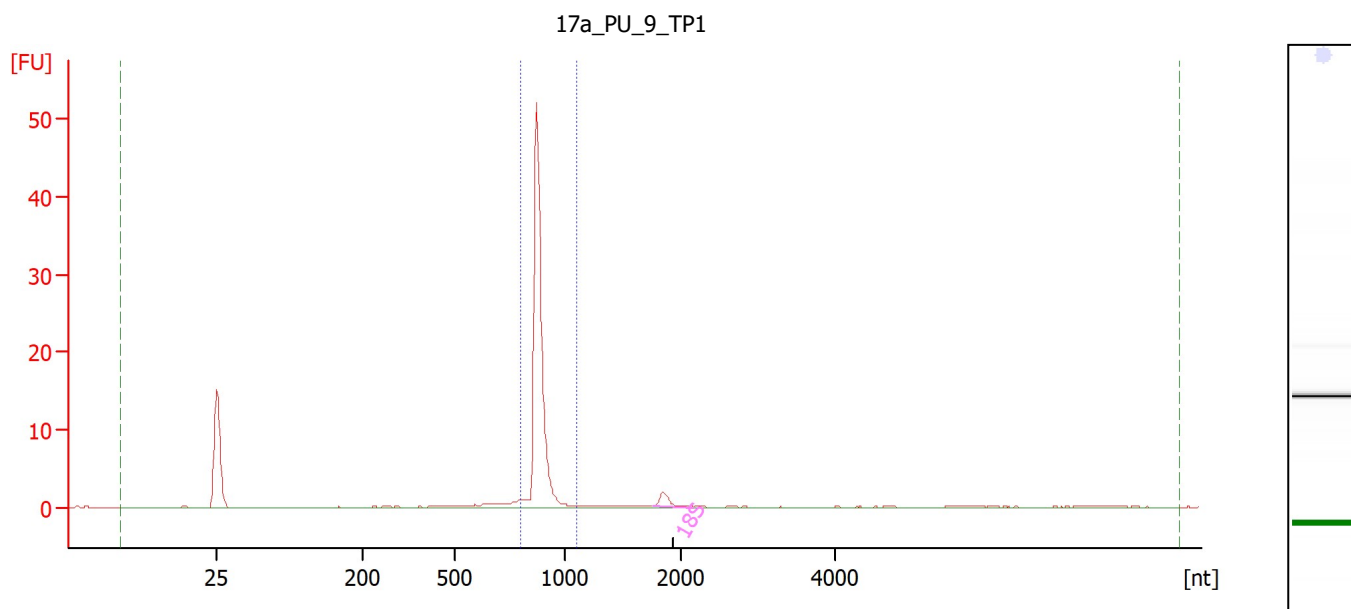
RNA Concentration: 150 ng/μl

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\_13-15-38.xad

Created: 12/10/2020 1:15:37 PM  
 Modified: 12/10/2020 3:04:09 PM

**Electropherogram Summary Continued ...****Overall Results for sample 2 : 17a PU 9 TP1**

RNA Area:	66.7	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	39 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	53.6
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Fragment table for sample 2 : 17a PU 9 TP1**

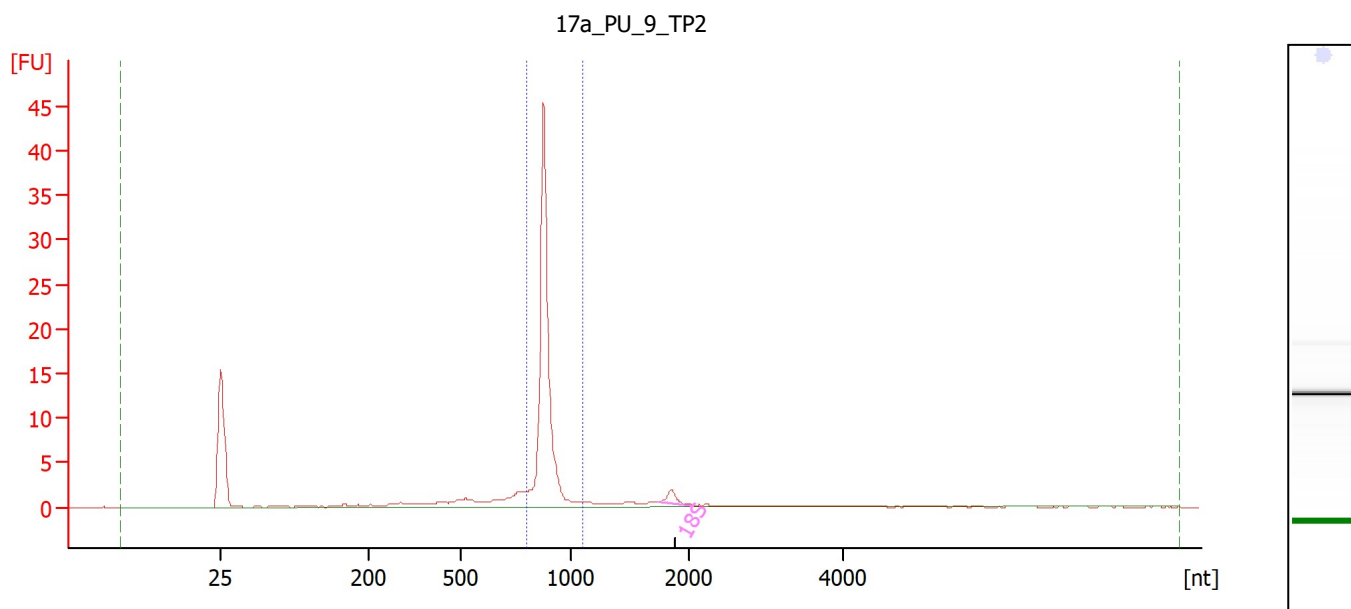
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,750	2,163	2.0	3.0

**Region table for sample 2 : 17a PU 9 TP1**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	53.6	80	<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\_13-15-38.xad

Created: 12/10/2020 1:15:37 PM  
 Modified: 12/10/2020 3:04:09 PM

**Electropherogram Summary Continued ...****Overall Results for sample 3 : 17a PU 9 TP2**

RNA Area:	83.1	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	48 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	53.4
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Fragment table for sample 3 : 17a PU 9 TP2**

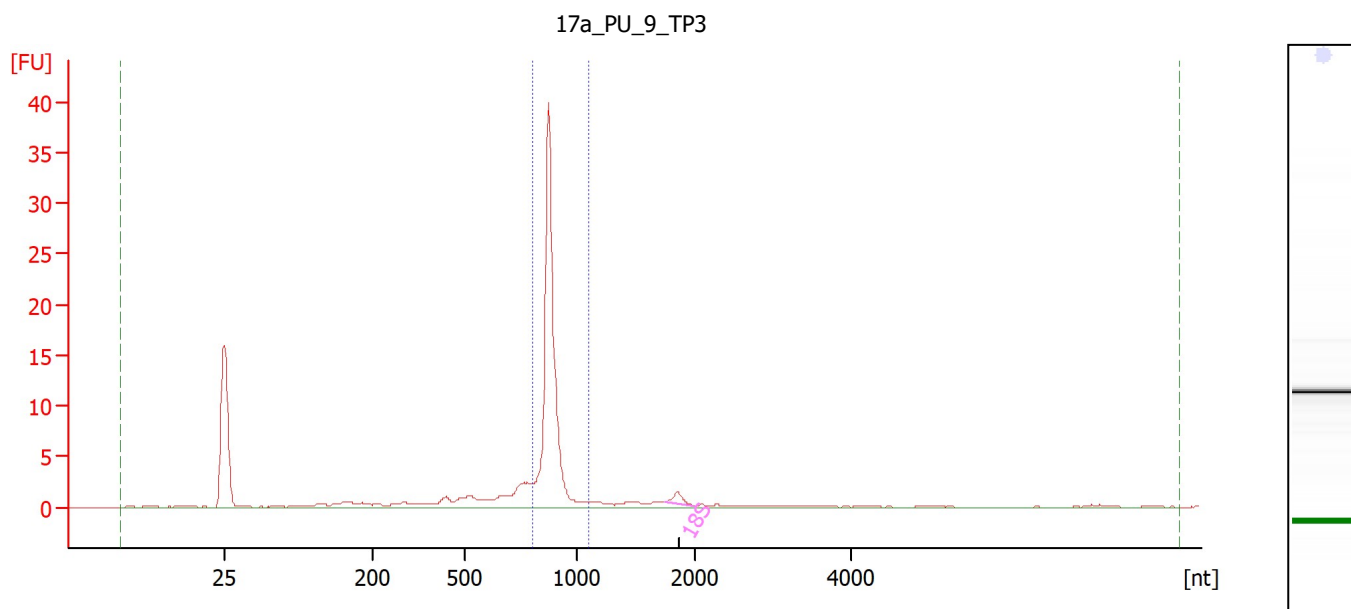
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,738	2,056	1.7	2.1

**Region table for sample 3 : 17a PU 9 TP2**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	53.4	64	<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\_13-15-38.xad

Created: 12/10/2020 1:15:37 PM  
 Modified: 12/10/2020 3:04:09 PM

**Electropherogram Summary Continued ...****Overall Results for sample 4 : 17a PU 9 TP3**

RNA Area:	82.4	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	48 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	50.9
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Fragment table for sample 4 : 17a PU 9 TP3**

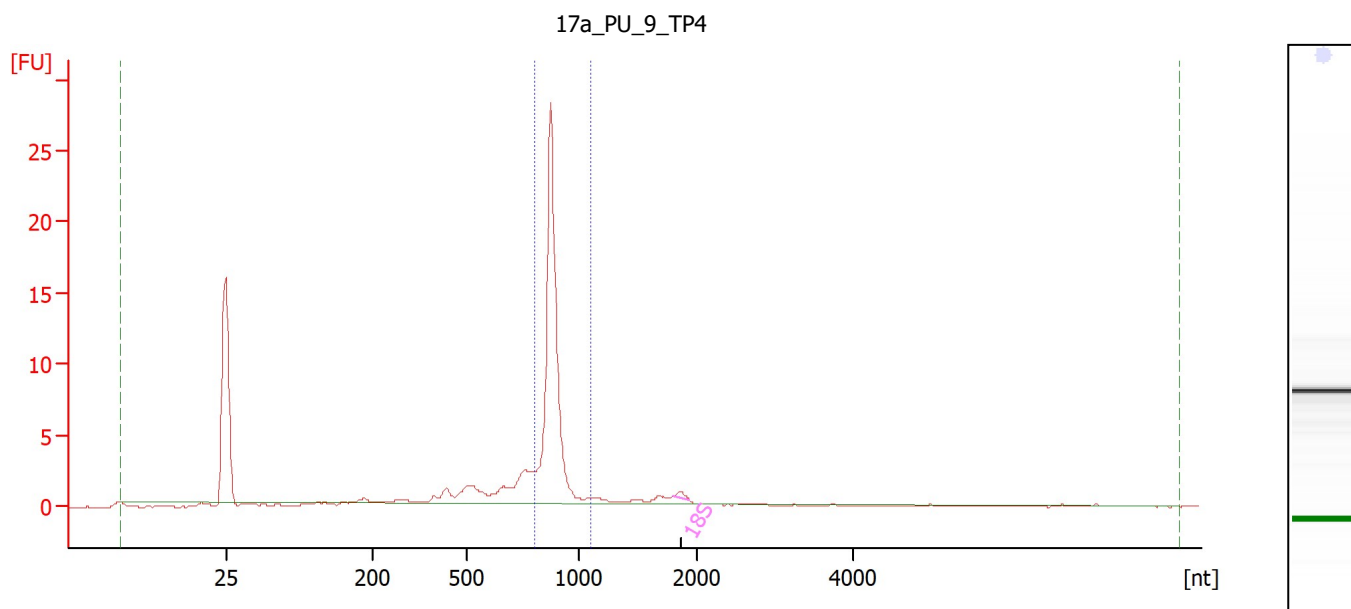
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,742	1,984	1.3	1.5

**Region table for sample 4 : 17a PU 9 TP3**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	50.9	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\_13-15-38.xad

Created: 12/10/2020 1:15:37 PM  
 Modified: 12/10/2020 3:04:09 PM

**Electropherogram Summary Continued ...****Overall Results for sample 5 : 17a PU 9 TP4**

RNA Area:	61.0	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	35 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	39.4
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Fragment table for sample 5 : 17a PU 9 TP4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,788	1,932	0.4	0.7

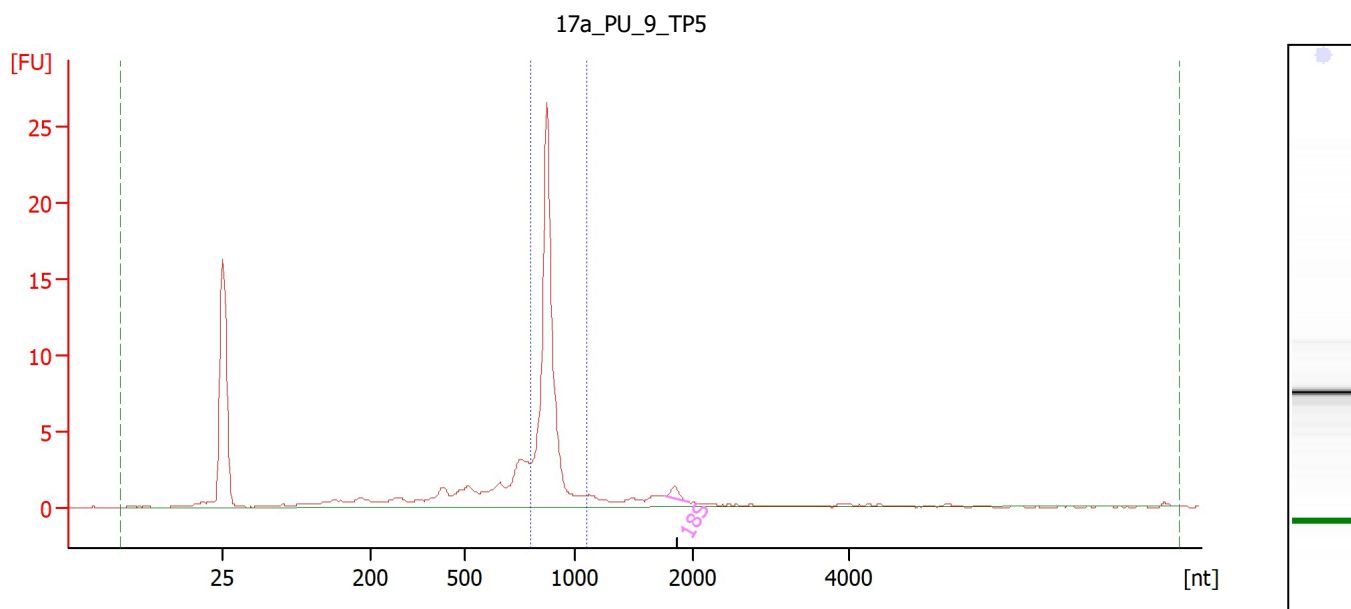
**Region table for sample 5 : 17a PU 9 TP4**


Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	39.4	64	<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\_13-15-38.xad

Created: 12/10/2020 1:15:37 PM  
 Modified: 12/10/2020 3:04:09 PM


**Electropherogram Summary Continued ...****Overall Results for sample 6 : 17a PU 9 TP5**

RNA Area:	76.0	Result Flagging Color:	
RNA Concentration:	44 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	40.3
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Fragment table for sample 6 : 17a PU 9 TP5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,758	1,966	0.8	1.0

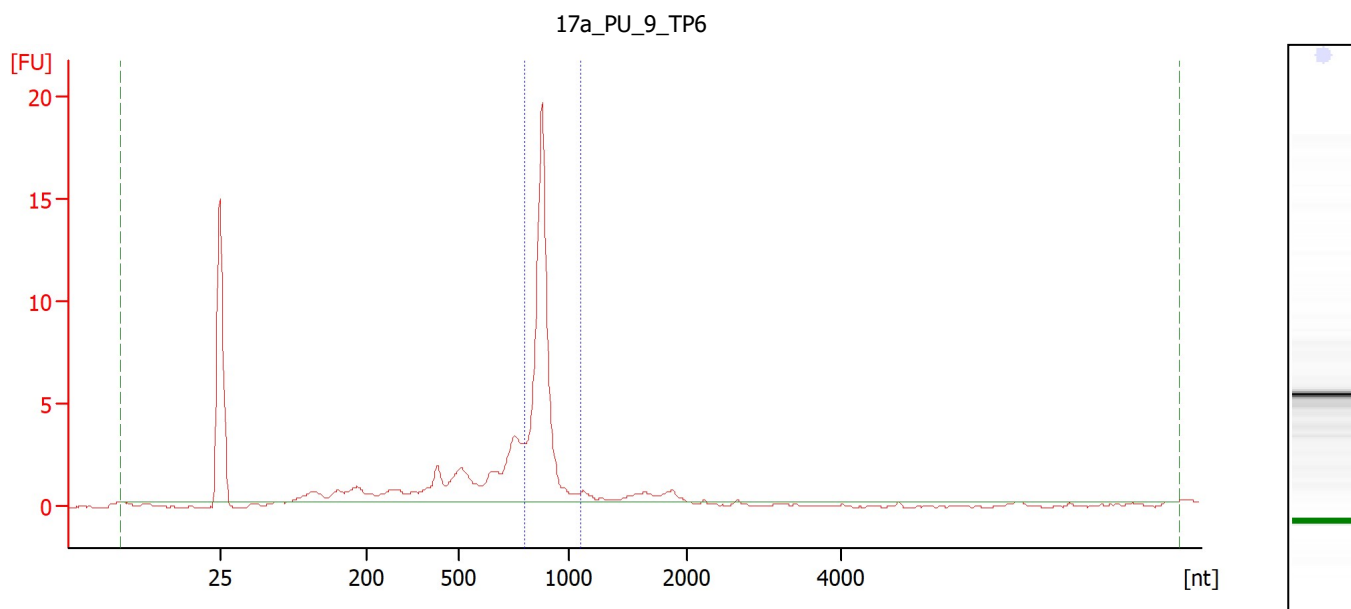
**Region table for sample 6 : 17a PU 9 TP5**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	40.3	53	

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_13-15-38.xad

Created: 12/10/2020 1:15:37 PM  
 Modified: 12/10/2020 3:04:09 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 7 : 17a PU 9 TP6

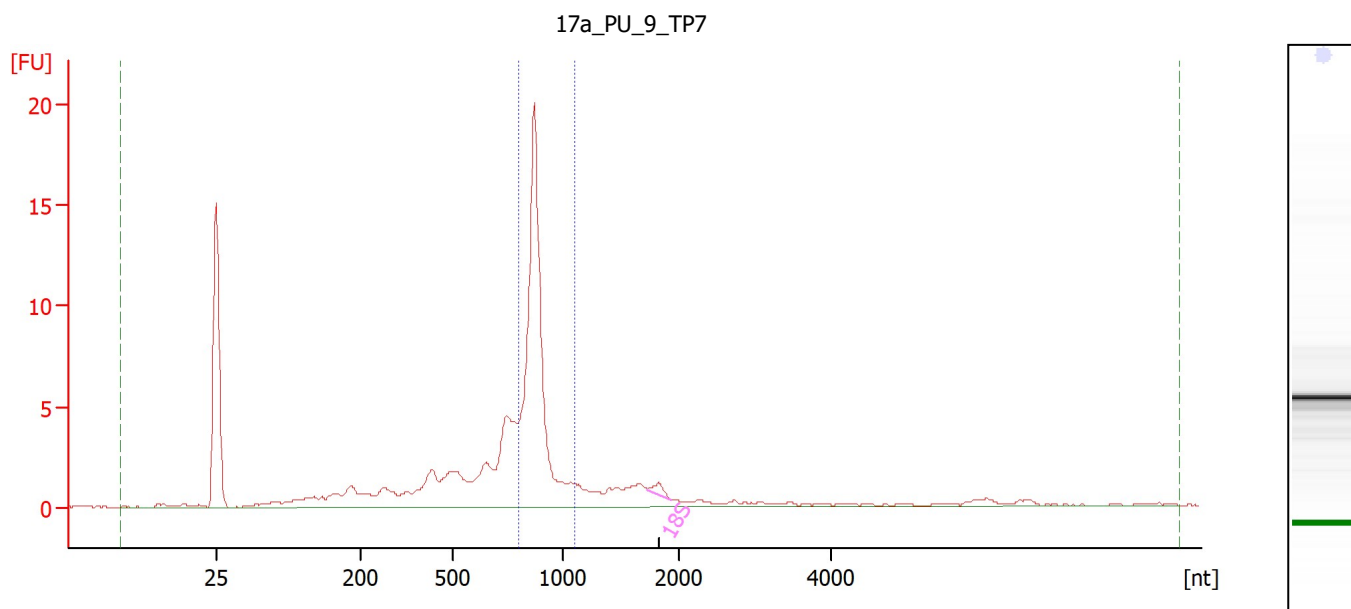
RNA Area:	64.3	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	37 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	31.9
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

### Region table for sample 7 : 17a PU 9 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	31.9	49	<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\_13-15-38.xad

Created: 12/10/2020 1:15:37 PM  
 Modified: 12/10/2020 3:04:09 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : 17a PU 9 TP7**

RNA Area:	92.2	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	53 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	38.7
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Fragment table for sample 8 : 17a PU 9 TP7**

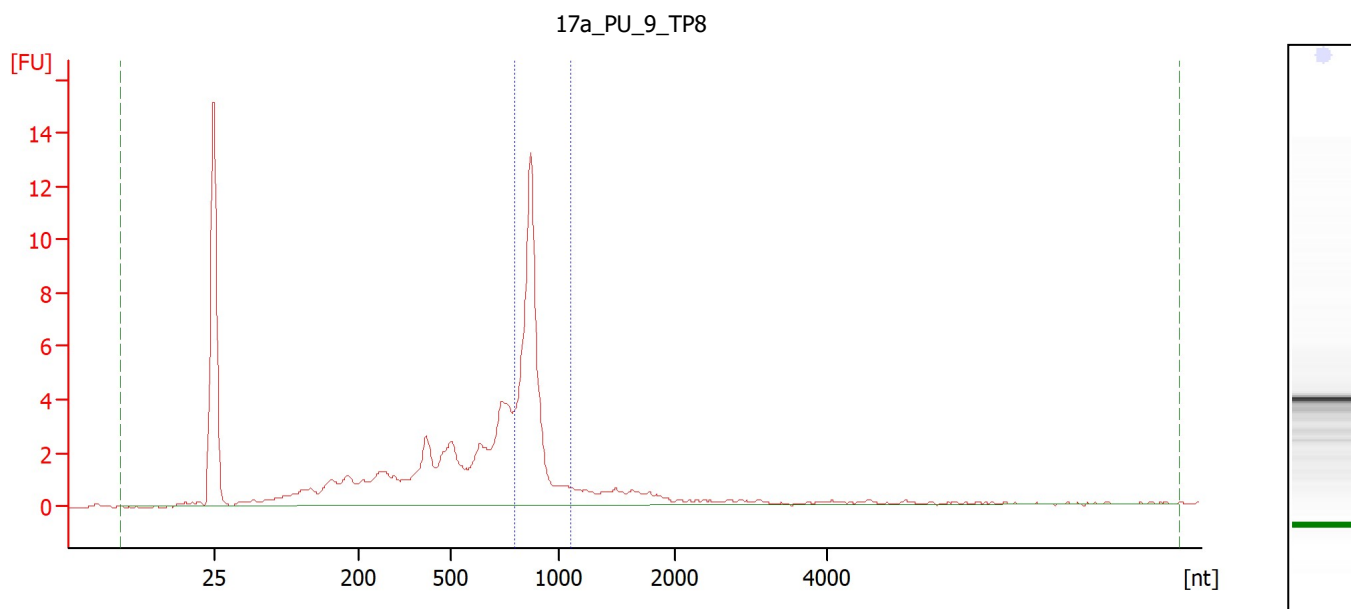
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,730	1,932	0.7	0.7

**Region table for sample 8 : 17a PU 9 TP7**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	38.7	42	<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\_13-15-38.xad

Created: 12/10/2020 1:15:37 PM  
 Modified: 12/10/2020 3:04:09 PM

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

RNA Area:	81.6	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	47 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	27.0
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

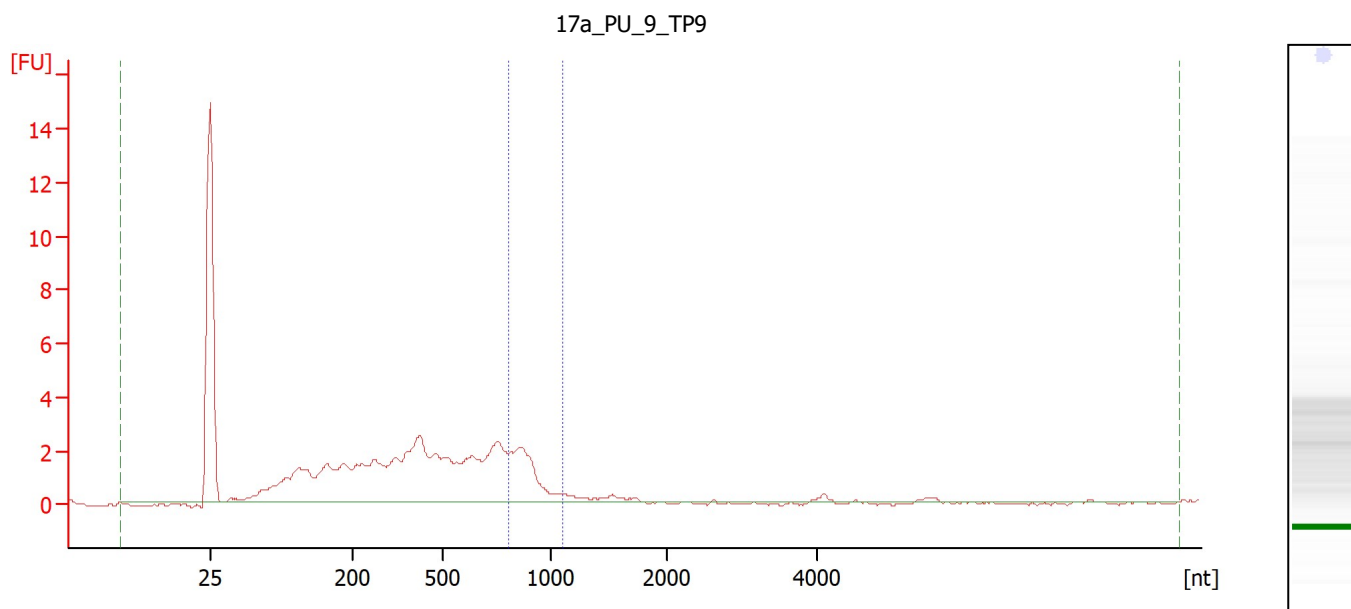
**Region table for sample 9 : 17a PU 9 TP8**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	27.0	33	<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\_13-15-38.xad

Created: 12/10/2020 1:15:37 PM  
 Modified: 12/10/2020 3:04:09 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 10 : 17a PU 9 TP9

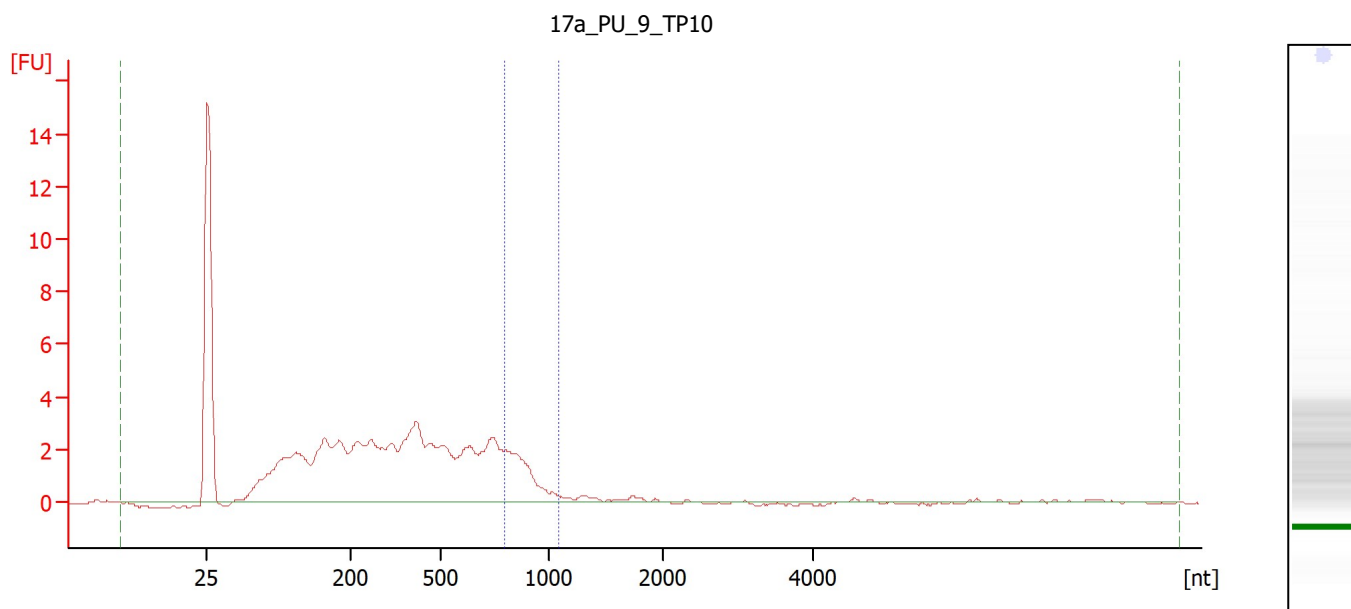
RNA Area:	61.4	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	36 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	7.5
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

### Region table for sample 10 : 17a PU 9 TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	7.5	12	<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\_13-15-38.xad

Created: 12/10/2020 1:15:37 PM  
Modified: 12/10/2020 3:04:09 PM

**Electropherogram Summary Continued ...****Overall Results for sample 11 : 17a PU 9 TP10**

RNA Area:	83.1	Result Flagging Color:	
RNA Concentration:	48 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	7.5
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Region table for sample 11 : 17a PU 9 TP10**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	7.5	9	

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_13-15-38.xad

Created: 12/10/2020 1:15:37 PM  
Modified: 12/10/2020 3:04:09 PM

**Gel Image**