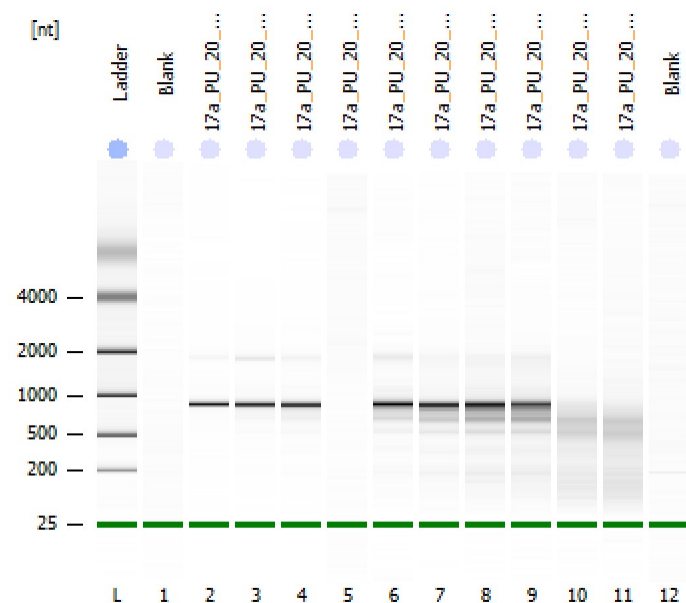


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_08-50-00.xad

Created: 12/11/2020 8:49:59 AM  
Modified: 12/11/2020 10:27:55 AM

**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)

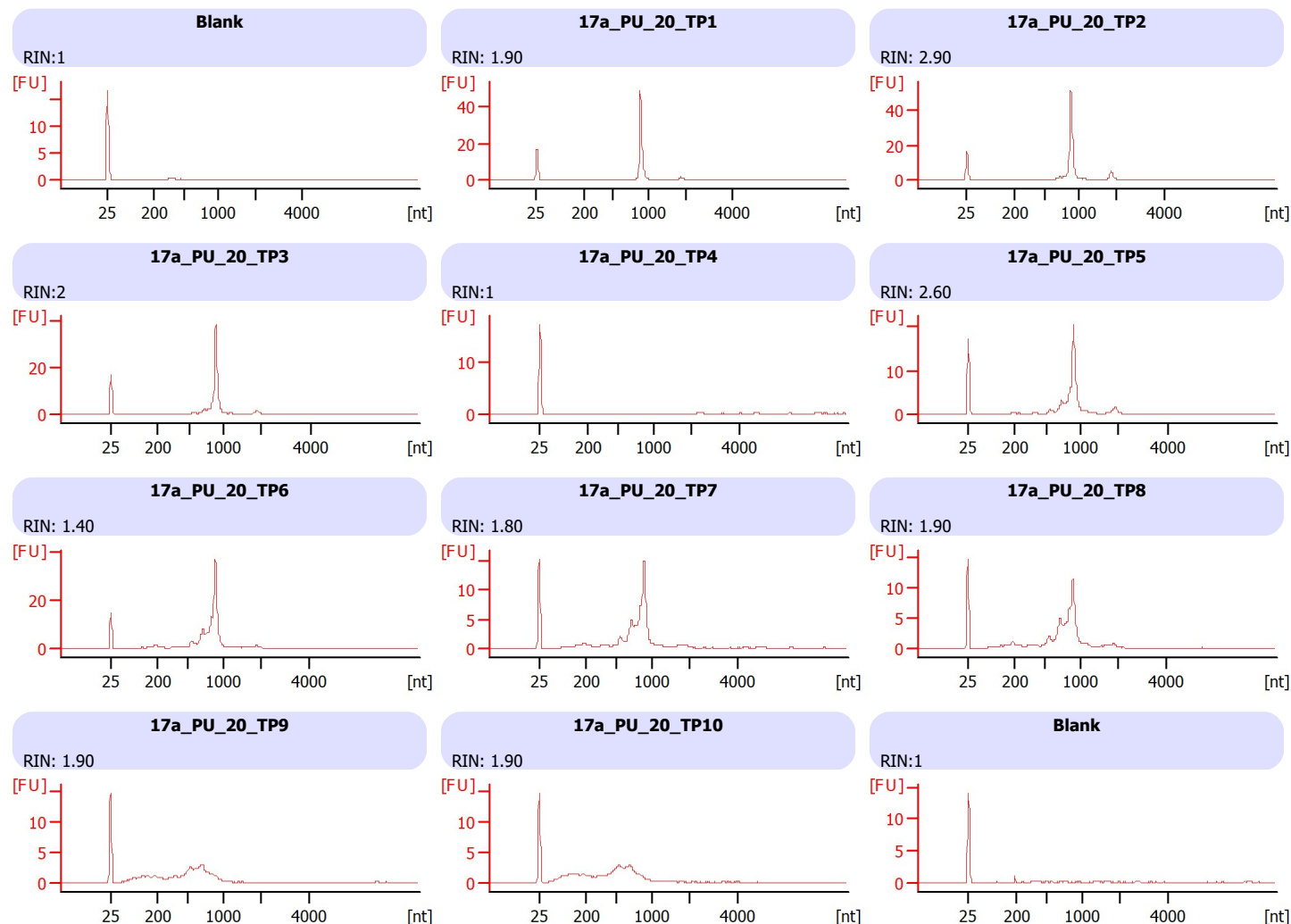
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_08-50-00.xad

Created: 12/11/2020 8:49:59 AM  
Modified: 12/11/2020 10:27:55 AM

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

Sample Name	Sample Comment	Stat Result Label	Result Color
Blank		us	
17a_PU_20_TP1		✓ RIN:1	
17a_PU_20_TP2		✓ RIN: 1.90	
17a_PU_20_TP3		✓ RIN: 2.90	
17a_PU_20_TP4		✓ RIN:2	
17a_PU_20_TP5		✓ RIN:1	
17a_PU_20_TP6		✓ RIN: 2.60	
17a_PU_20_TP7		✓ RIN: 1.40	
17a_PU_20_TP8		✓ RIN: 1.80	
17a_PU_20_TP9		✓ RIN: 1.90	
17a_PU_20_TP10		✓ RIN: 1.90	
Blank		✓ RIN:1	
Ladder		✓ All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_08-50-00.xad

Created: 12/11/2020 8:49:59 AM  
Modified: 12/11/2020 10:27:55 AM

## 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

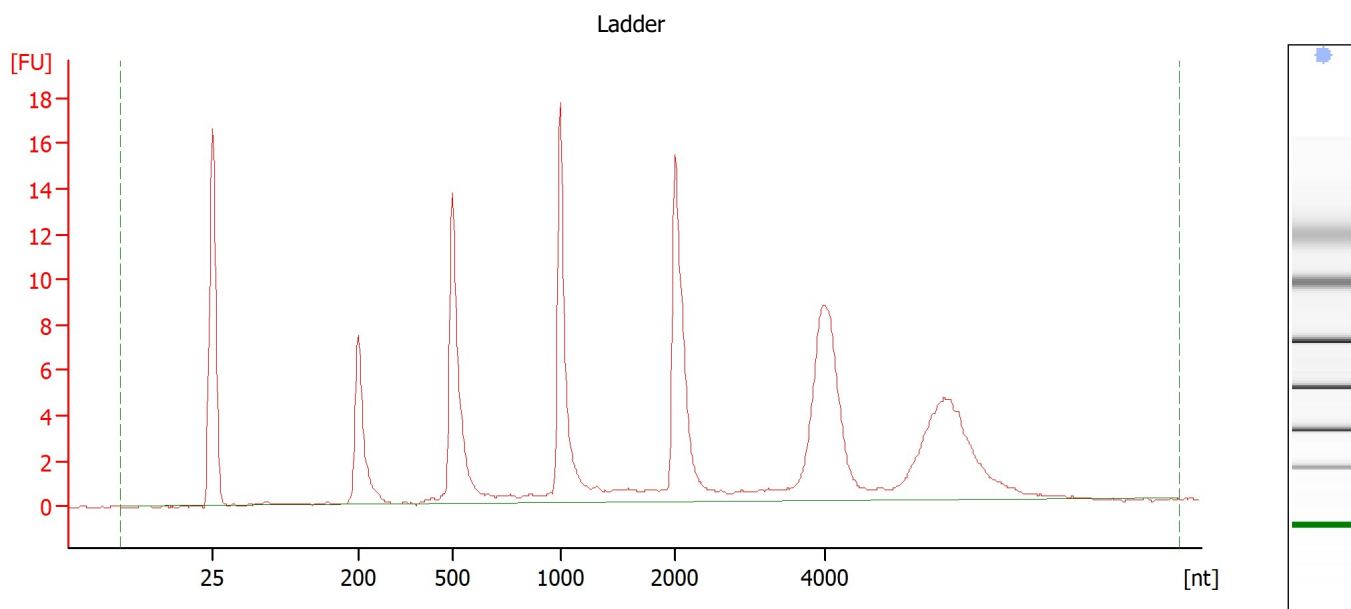
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_08-50-00.xad

Created: 12/11/2020 8:49:59 AM  
Modified: 12/11/2020 10:27:55 AM

### Electropherogram Summary



### Overall Results for Ladder

RNA Area: 133.1

Result Flagging Color:



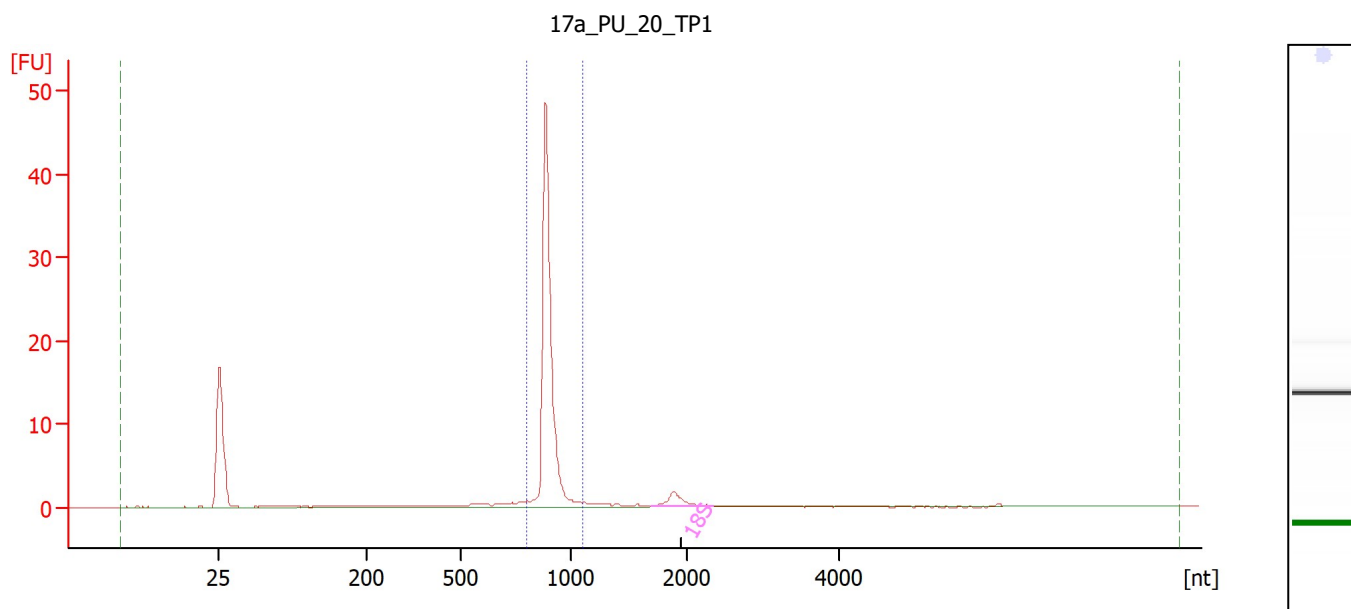
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_08-50-00.xad

Created: 12/11/2020 8:49:59 AM  
 Modified: 12/11/2020 10:27:55 AM

**Electropherogram Summary Continued ...****Overall Results for sample 2 : 17a PU 20 TP1**

RNA Area:	72.2	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: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	57.8
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Fragment table for sample 2 : 17a PU 20 TP1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,675	2,334	2.7	3.7

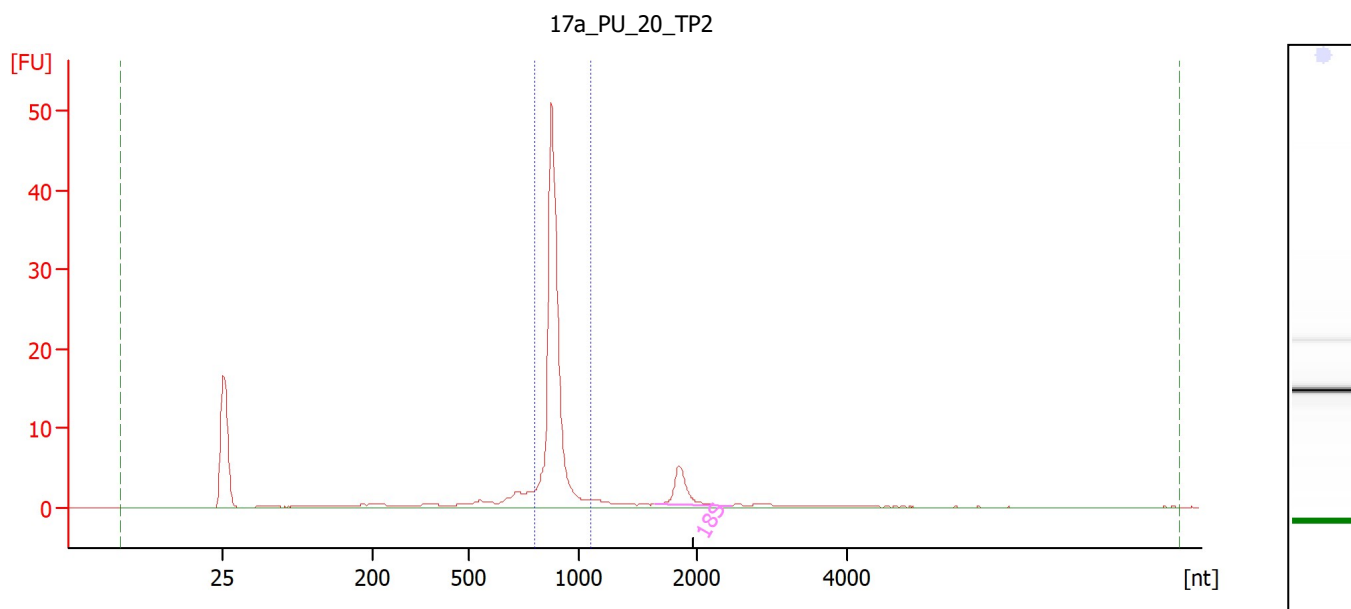
**Region table for sample 2 : 17a PU 20 TP1**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	57.8	80	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_08-50-00.xad

Created: 12/11/2020 8:49:59 AM  
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### Electropherogram Summary Continued ...



### Overall Results for sample 3 : 17a PU 20 TP2

RNA Area:	103.7	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	117 ng/μl	Result Flagging Label:	RIN: 2.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	71.1
RNA Integrity Number (RIN):	2.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

### Fragment table for sample 3 : 17a PU 20 TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,645	2,449	7.6	7.3

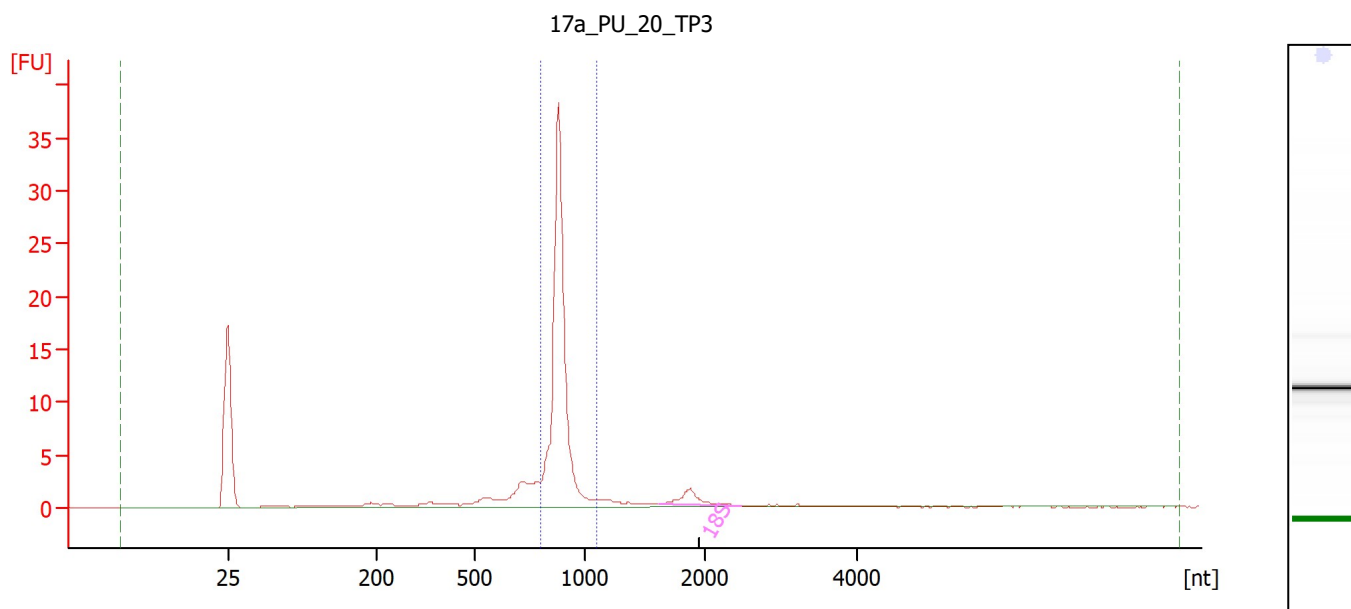
### Region table for sample 3 : 17a PU 20 TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	71.1	68	<span style="background-color: #0000ff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_08-50-00.xad

Created: 12/11/2020 8:49:59 AM  
 Modified: 12/11/2020 10:27:55 AM

### Electropherogram Summary Continued ...



### Overall Results for sample 4 : 17a PU 20 TP3

RNA Area:	84.0	Result Flagging Color:	<div style="background-color: #d9e1f2; width: 30px; height: 15px; display: inline-block;"></div>
RNA Concentration:	95 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	57.1
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

### Fragment table for sample 4 : 17a PU 20 TP3

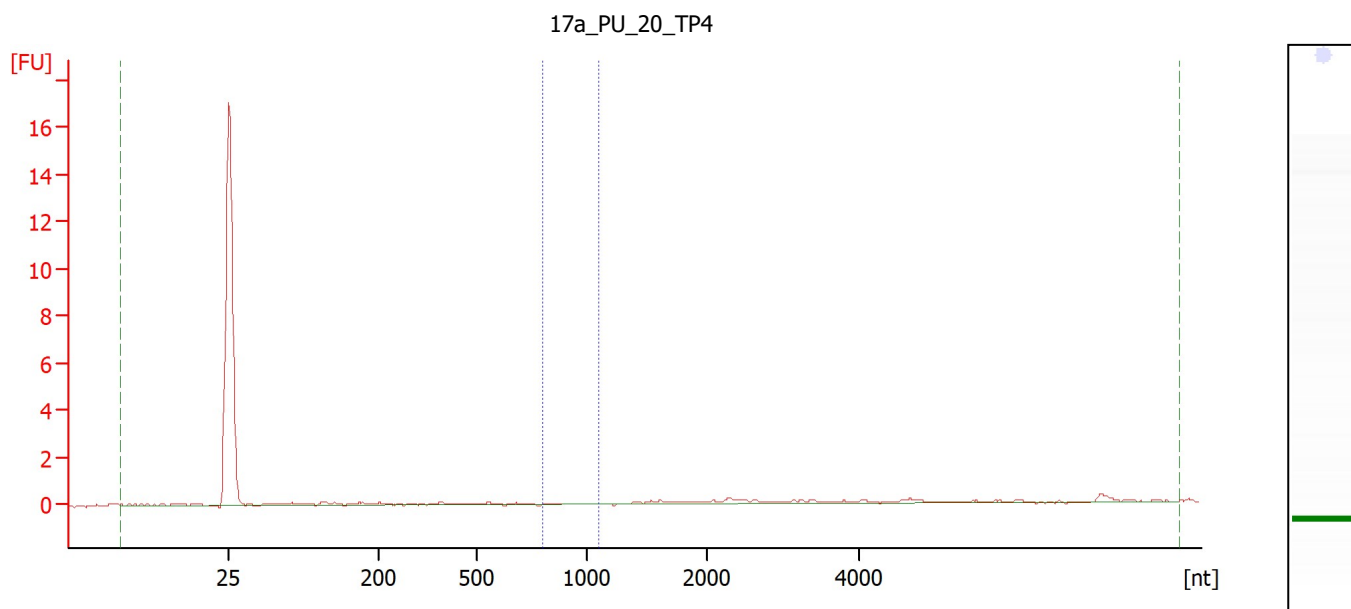
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,624	2,492	3.0	3.6

### Region table for sample 4 : 17a PU 20 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	57.1	68	<div style="background-color: #0000ff; width: 20px; height: 15px; display: inline-block;"></div>

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_08-50-00.xad

Created: 12/11/2020 8:49:59 AM  
Modified: 12/11/2020 10:27:55 AM

**Electropherogram Summary Continued ...****Overall Results for sample 5 : 17a PU 20 TP4**

RNA Area:	4.1	Result Flagging Color:	
RNA Concentration:	5 ng/μl	Result Flagging Label:	RIN:1
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	0.0
RNA Integrity Number (RIN):	1 (B.02.11, Anomaly Threshold(s) manually adapted)		

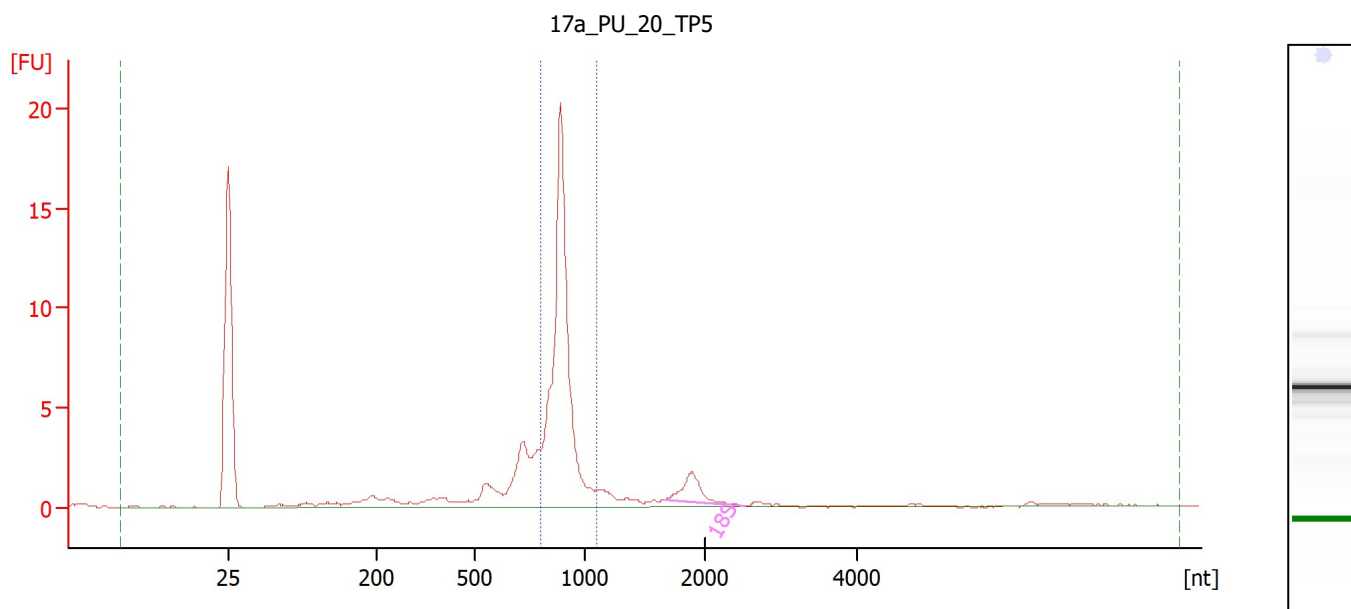
**Region table for sample 5 : 17a PU 20 TP4**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	0.0	0	



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_08-50-00.xad

Created: 12/11/2020 8:49:59 AM  
 Modified: 12/11/2020 10:27:55 AM

**Electropherogram Summary Continued ...****Overall Results for sample 6 : 17a PU 20 TP5**

RNA Area:	68.0	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	77 ng/μl	Result Flagging Label:	RIN: 2.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	39.4
RNA Integrity Number (RIN):	2.6 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Fragment table for sample 6 : 17a PU 20 TP5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,669	2,534	3.2	4.7

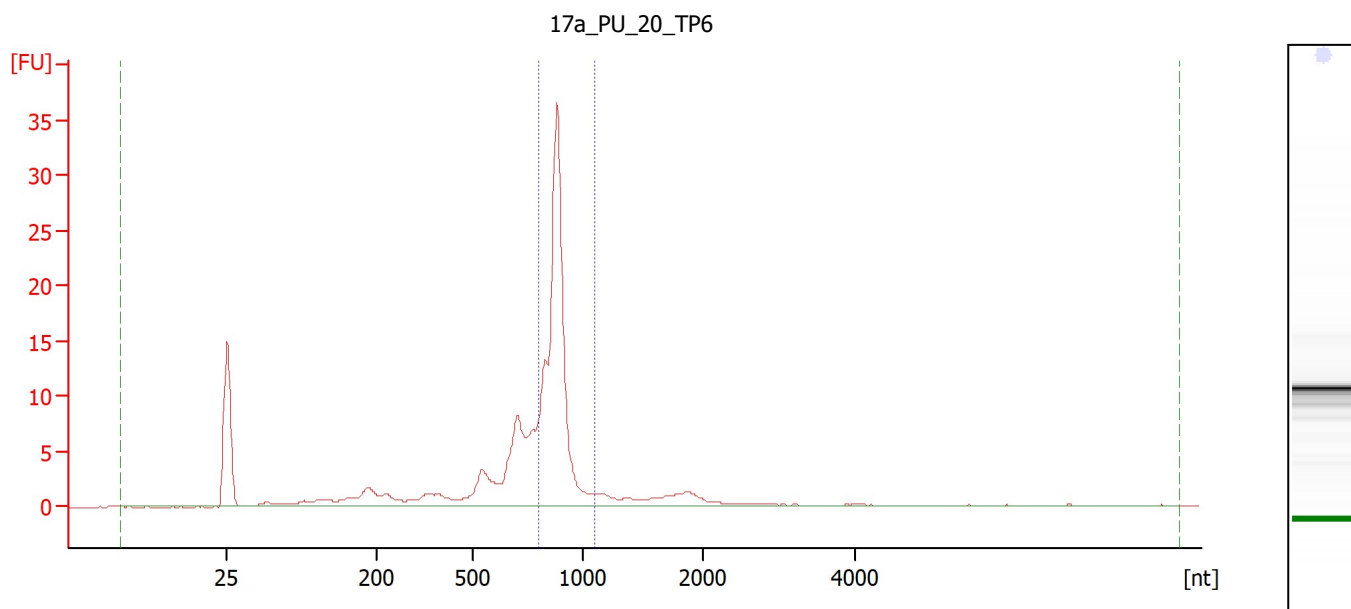
**Region table for sample 6 : 17a PU 20 TP5**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	39.4	58	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_08-50-00.xad

Created: 12/11/2020 8:49:59 AM  
 Modified: 12/11/2020 10:27:55 AM

### Electropherogram Summary Continued ...



### Overall Results for sample 7 : 17a PU 20 TP6

RNA Area:	138.3	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	156 ng/μl	Result Flagging Label:	RIN: 1.40
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	71.6
RNA Integrity Number (RIN):	1.4 (B.02.11, Anomaly Threshold(s) manually adapted)		

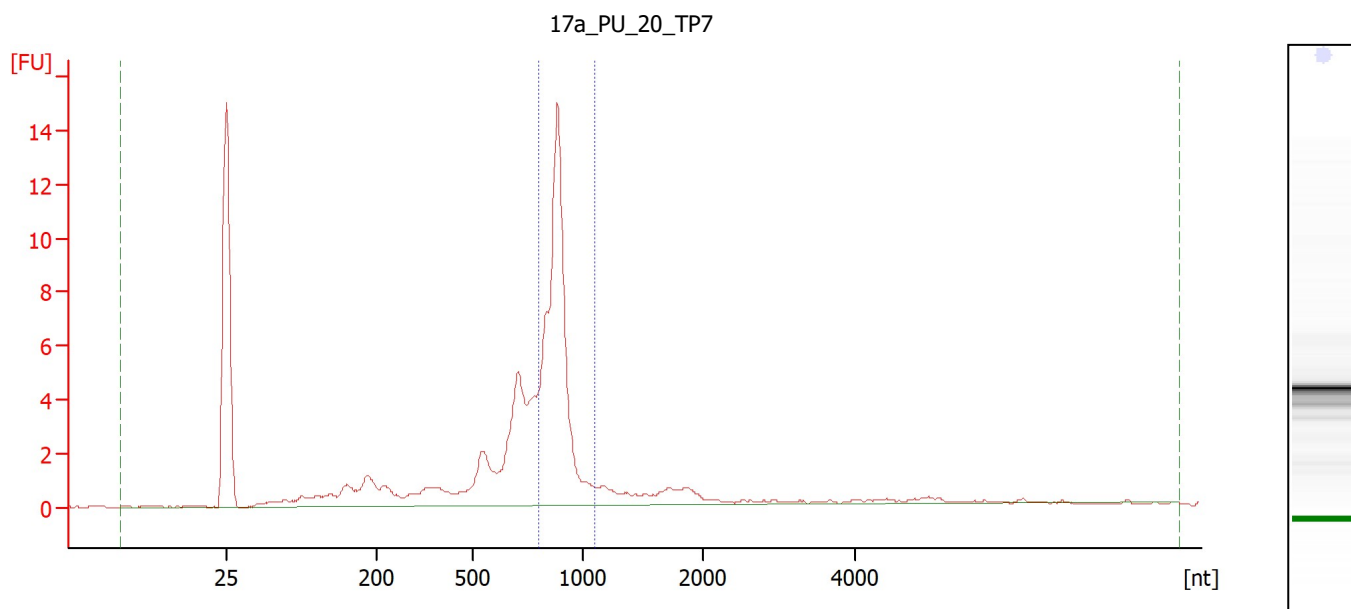
### Region table for sample 7 : 17a PU 20 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	71.6	52	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_08-50-00.xad

Created: 12/11/2020 8:49:59 AM  
 Modified: 12/11/2020 10:27:55 AM

### Electropherogram Summary Continued ...



### Overall Results for sample 8 : 17a PU 20 TP7

RNA Area:	79.0	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	89 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	34.6
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)		

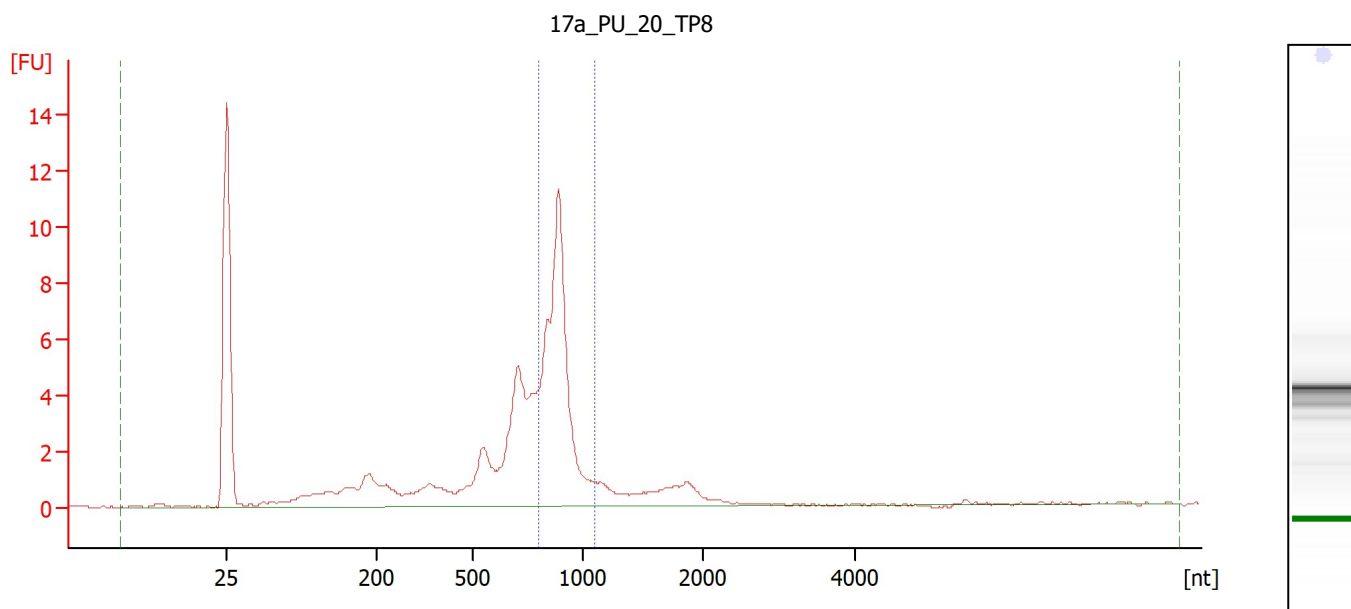
### Region table for sample 8 : 17a PU 20 TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	34.6	44	<span style="background-color: #0000ff; display: inline-block; width: 15px; height: 10px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_08-50-00.xad

Created: 12/11/2020 8:49:59 AM  
 Modified: 12/11/2020 10:27:55 AM

### Electropherogram Summary Continued ...



### Overall Results for sample 9 : 17a PU 20 TP8

RNA Area:	79.0	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	89 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	30.6
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

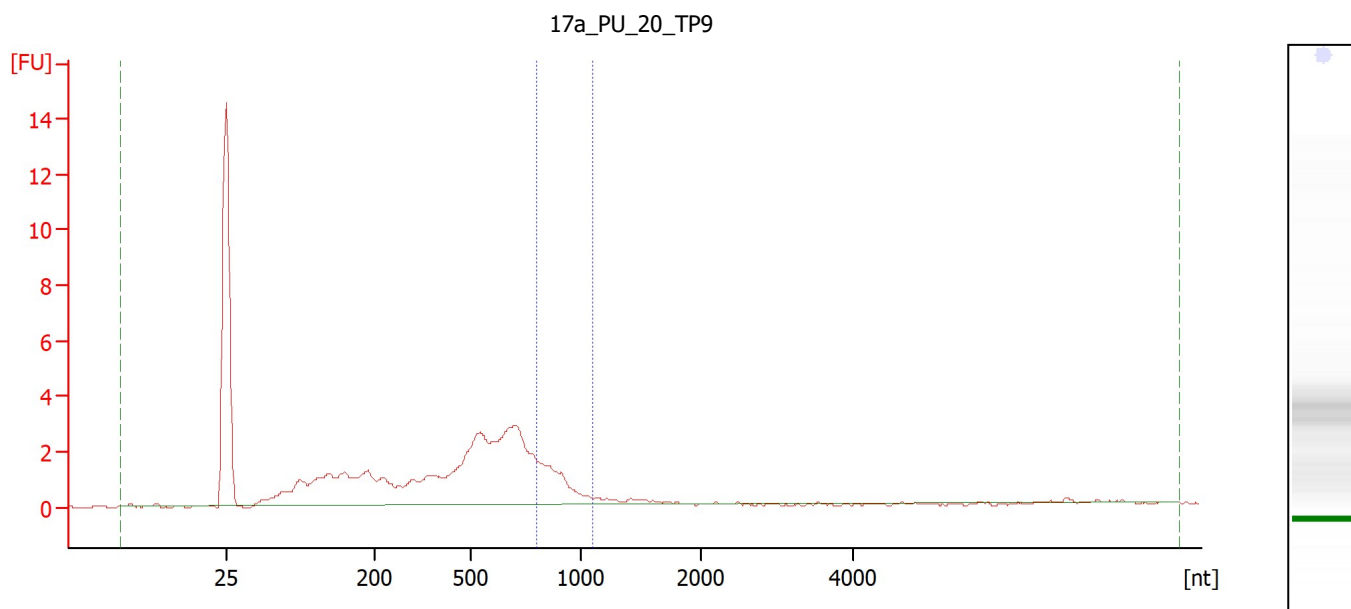
### Region table for sample 9 : 17a PU 20 TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	30.6	39	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_08-50-00.xad

Created: 12/11/2020 8:49:59 AM  
 Modified: 12/11/2020 10:27:55 AM

### Electropherogram Summary Continued ...



### Overall Results for sample 10 : 17a\_PU\_20\_TP9

RNA Area:	54.0	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	61 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	5.6
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

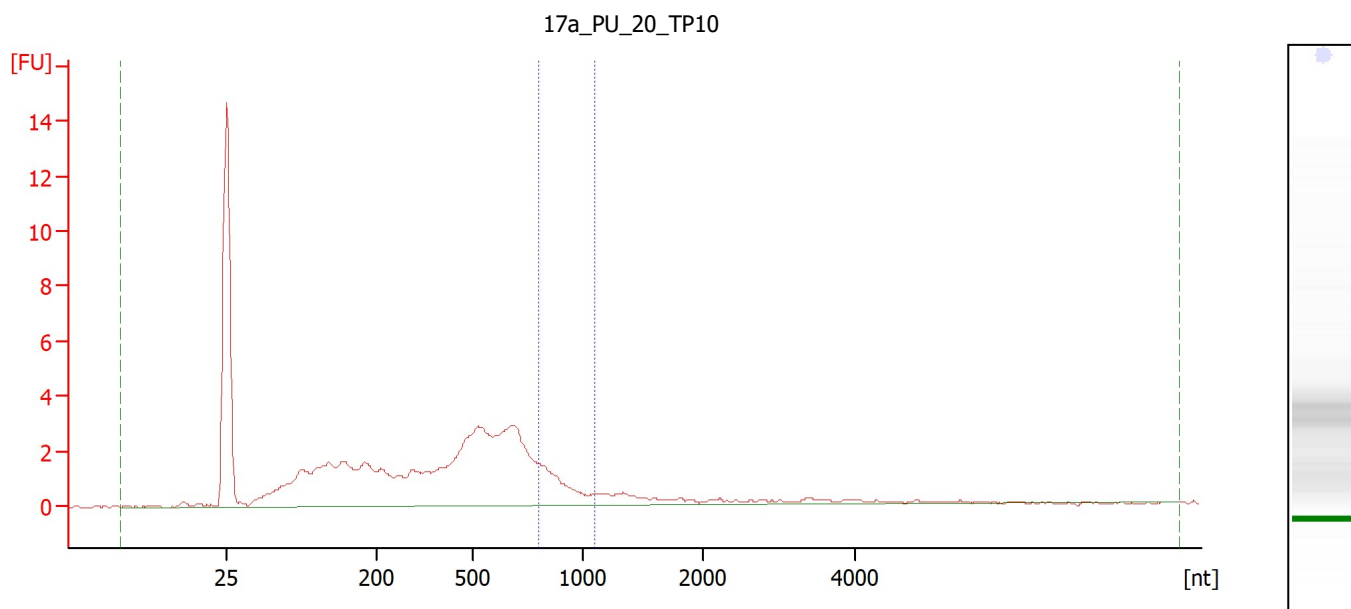
### Region table for sample 10 : 17a\_PU\_20\_TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	5.6	10	<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:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_08-50-00.xad

Created: 12/11/2020 8:49:59 AM  
 Modified: 12/11/2020 10:27:55 AM

### Electropherogram Summary Continued ...



### Overall Results for sample 11 : 17a PU 20 TP10

RNA Area:	71.6	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: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	5.3
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

### Region table for sample 11 : 17a PU 20 TP10

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	5.3	7	<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:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_08-50-00.xad

Created: 12/11/2020 8:49:59 AM  
Modified: 12/11/2020 10:27:55 AM

**Gel Image**