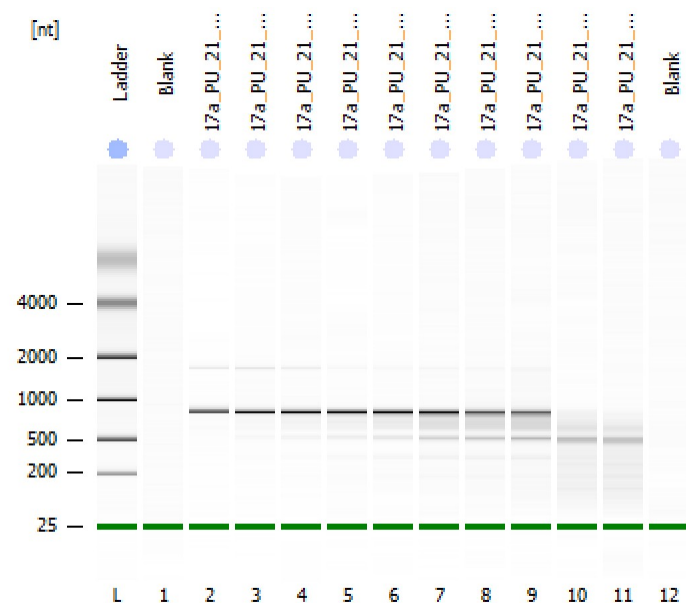


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-00-11.xad

Created: 12/11/2020 9:00:11 AM
Modified: 12/11/2020 10:30:31 AM

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)

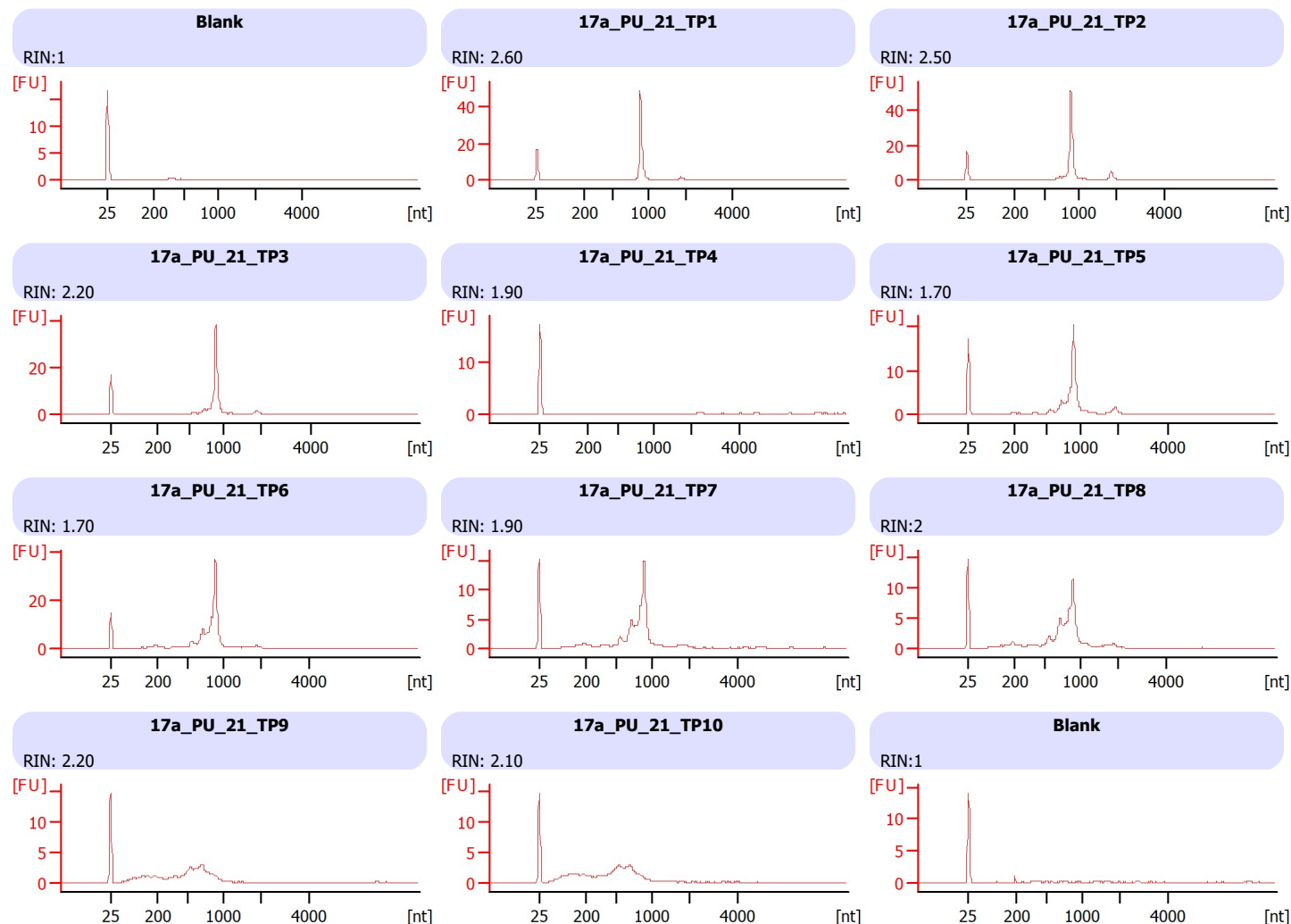
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Chip Information:

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_09-00-11.xad

Created: 12/11/2020 9:00:11 AM
Modified: 12/11/2020 10:30:31 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Blank		✓ RIN:1	
17a_PU_21_TP1		✓ RIN: 2.60	
17a_PU_21_TP2		✓ RIN: 2.50	
17a_PU_21_TP3		✓ RIN: 2.20	
17a_PU_21_TP4		✓ RIN: 1.90	
17a_PU_21_TP5		✓ RIN: 1.70	
17a_PU_21_TP6		✓ RIN: 1.70	
17a_PU_21_TP7		✓ RIN: 1.90	
17a_PU_21_TP8		✓ RIN:2	
17a_PU_21_TP9		✓ RIN: 2.20	
17a_PU_21_TP10		✓ RIN: 2.10	
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_09-00-11.xad

Created: 12/11/2020 9:00:11 AM
Modified: 12/11/2020 10:30:31 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/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

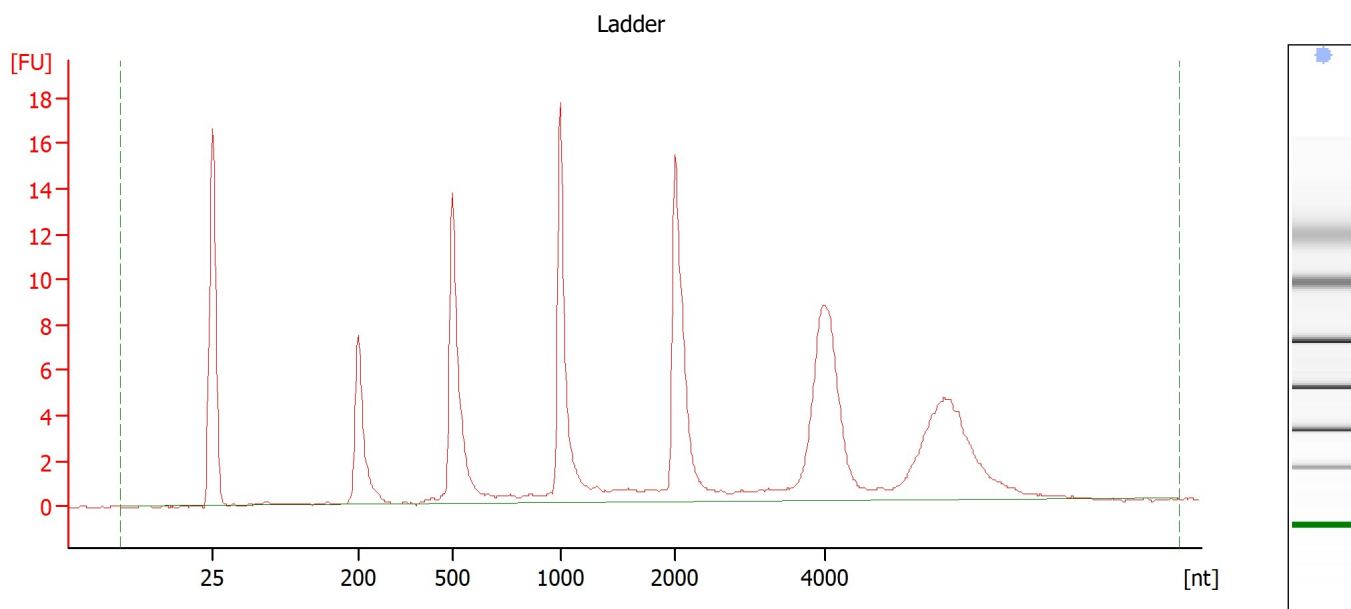
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-00-11.xad

Created: 12/11/2020 9:00:11 AM
Modified: 12/11/2020 10:30:31 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 133.1

Result Flagging Color:



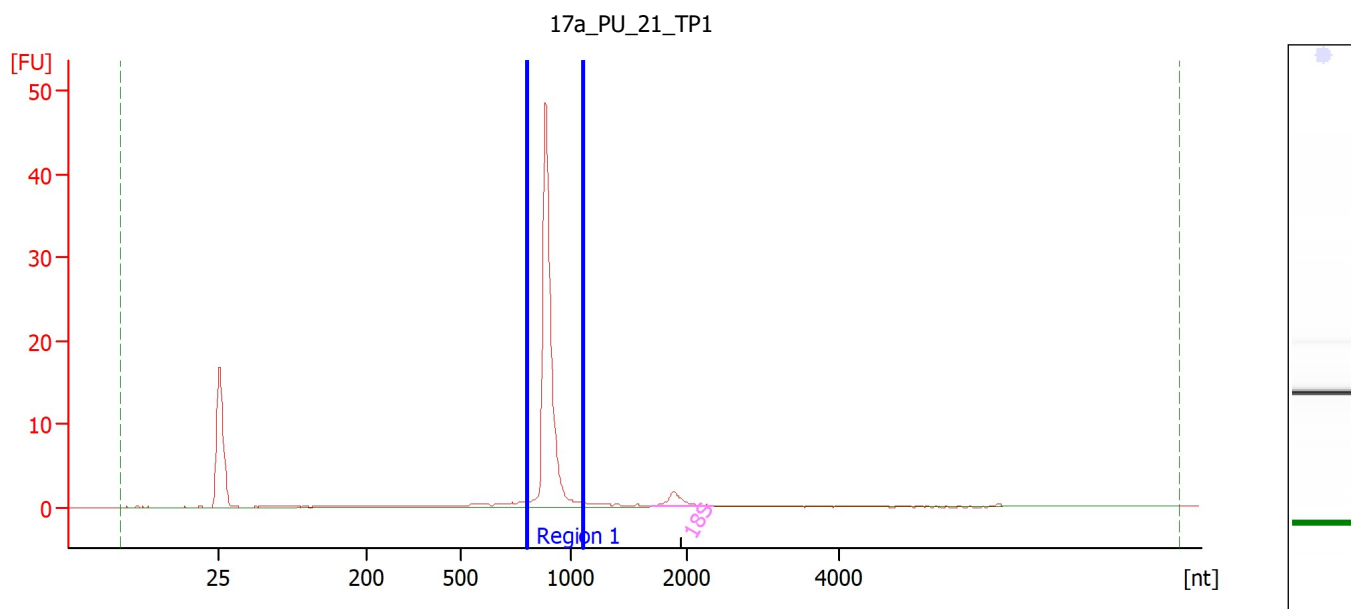
RNA Concentration: 150 ng/μl

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_09-00-11.xad

Created: 12/11/2020 9:00:11 AM
Modified: 12/11/2020 10:30:31 AM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 17a PU 21 TP1**

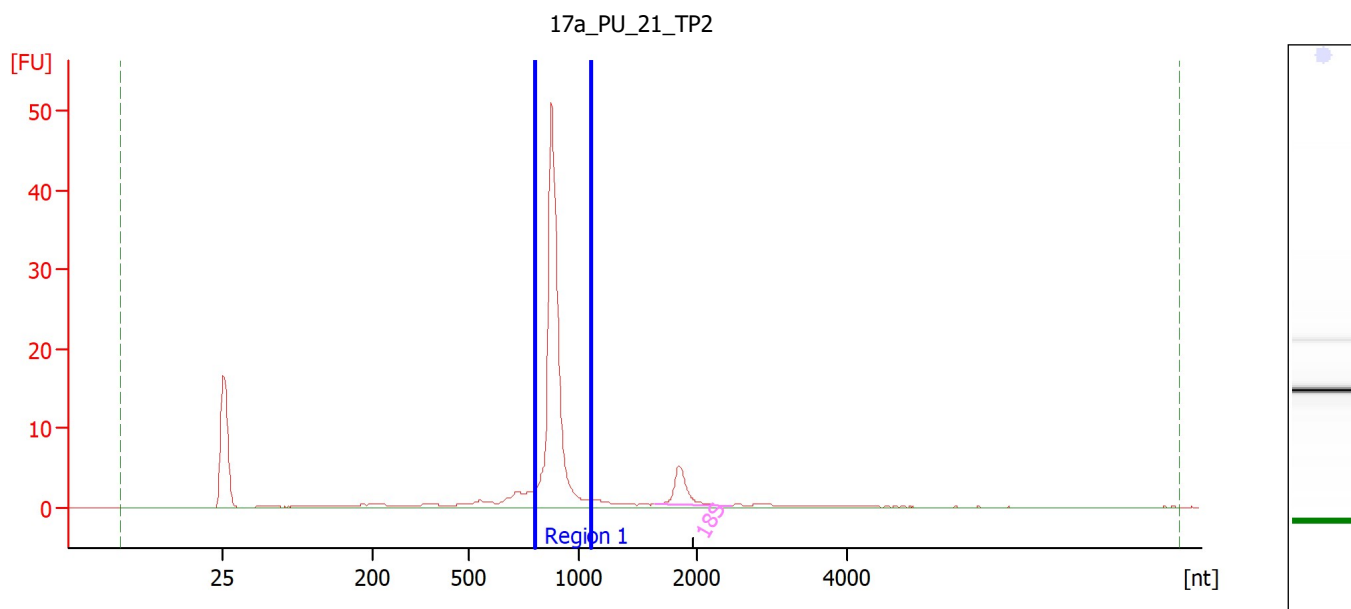
RNA Area:	72.2	Result Flagging Color:	<div style="border: 1px solid black; width: 30px; height: 15px; background-color: #d1c4e9;"></div>
RNA Concentration:	81 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	57.8
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 2 : 17a PU 21 TP1

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-00-11.xad

Created: 12/11/2020 9:00:11 AM
Modified: 12/11/2020 10:30:31 AM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 17a PU 21 TP2**

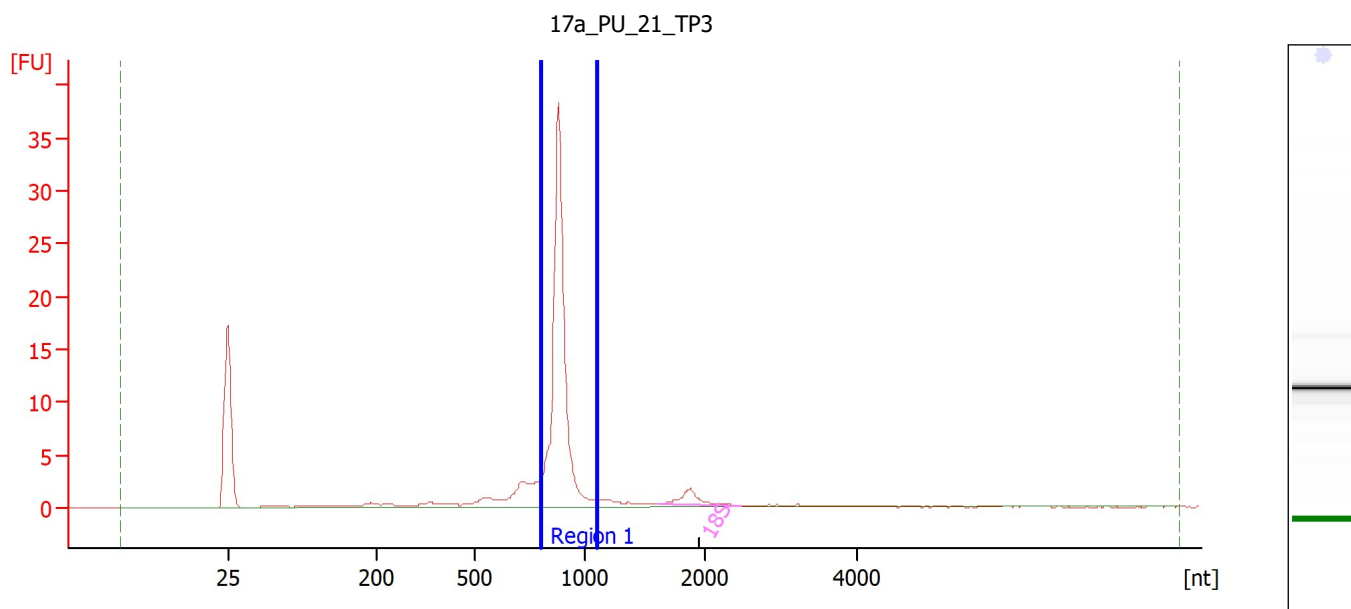
RNA Area:	103.7	Result Flagging Color:	<div style="border: 1px solid black; width: 20px; height: 10px; background-color: #d1c4e9;"></div>
RNA Concentration:	117 ng/μl	Result Flagging Label:	RIN: 2.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	71.1
RNA Integrity Number (RIN):	2.9 (B.02.11, Anomaly Threshold(s)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

Fragment table for sample 3 : 17a PU 21 TP2

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-00-11.xad

Created: 12/11/2020 9:00:11 AM
Modified: 12/11/2020 10:30:31 AM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 17a PU 21 TP3**

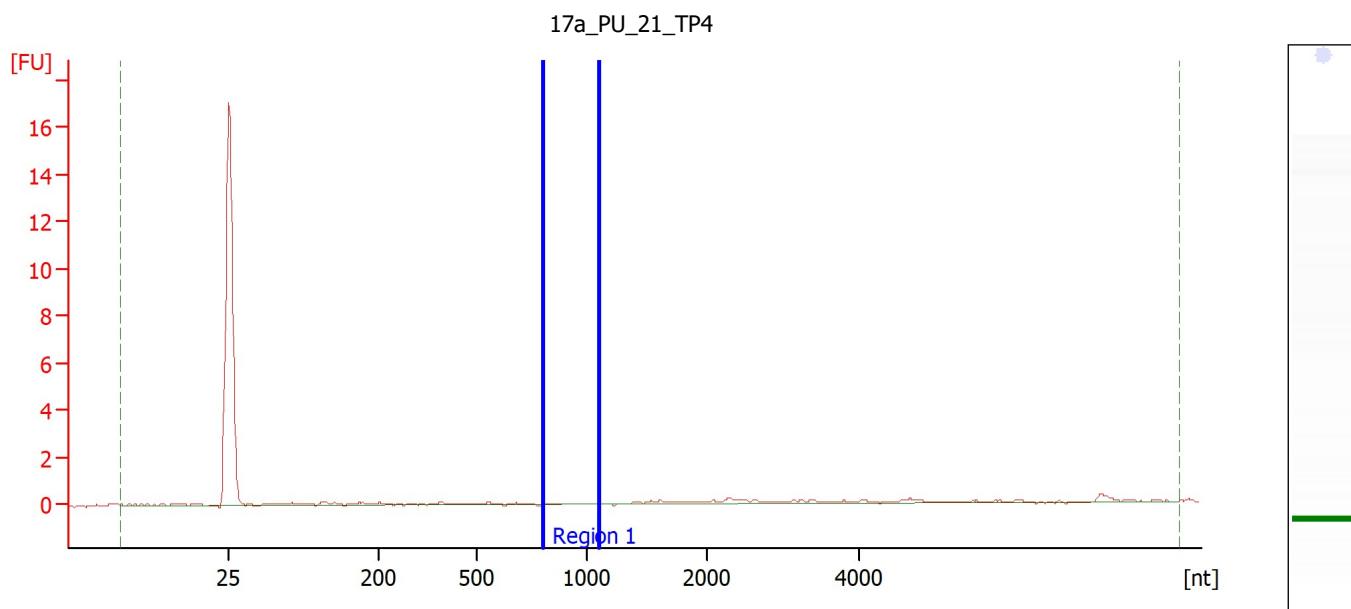
RNA Area:	84.0	Result Flagging Color:	<div></div>
RNA Concentration:	95 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	57.1
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 4 : 17a PU 21 TP3

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-00-11.xad

Created: 12/11/2020 9:00:11 AM
Modified: 12/11/2020 10:30:31 AM

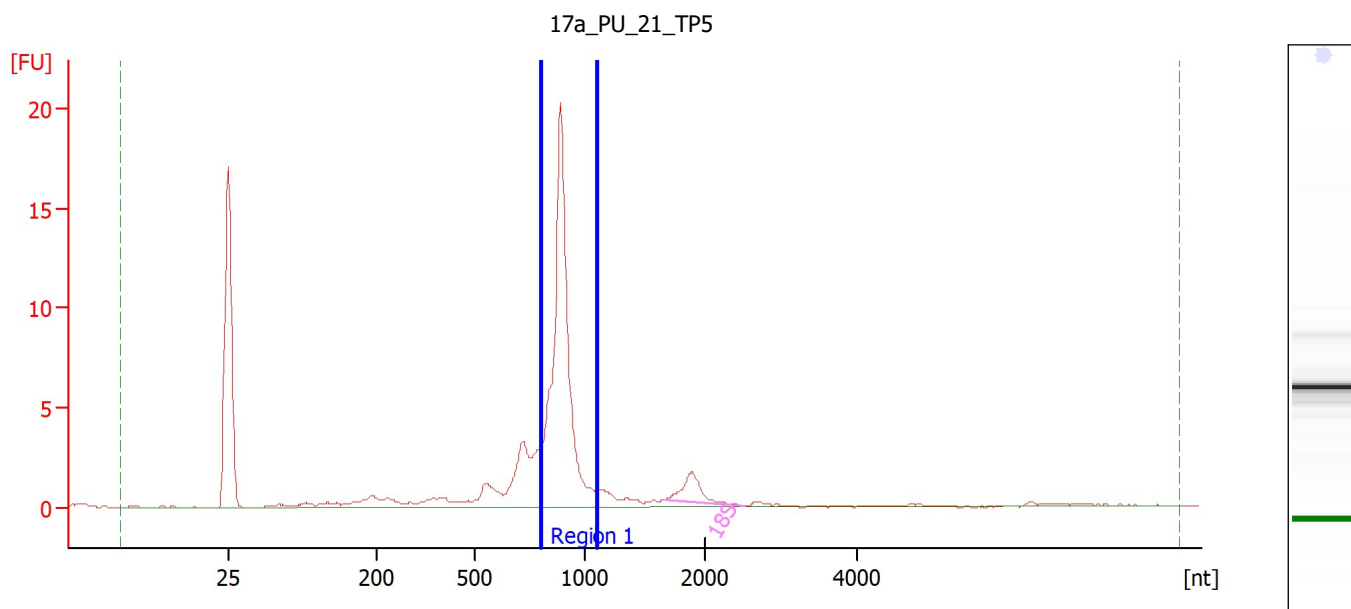
Electropherogram Summary Continued ...**Overall Results for sample 5 : 17a PU 21 TP4**

RNA Area:	4.1	Result Flagging Color:	<div></div>
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)		

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-00-11.xad

Created: 12/11/2020 9:00:11 AM
 Modified: 12/11/2020 10:30:31 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 17a PU 21 TP5

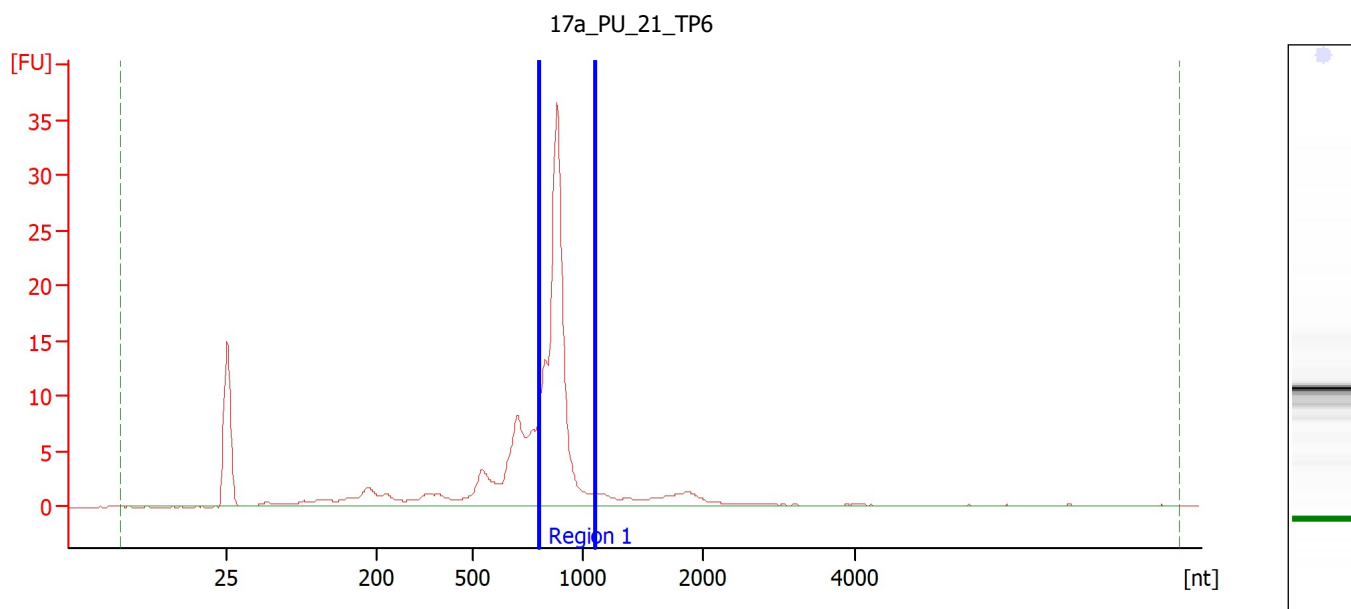
RNA Area:	68.0	Result Flagging Color:	<div style="background-color: #d1c4e9; border: 1px solid black; width: 30px; height: 15px;"></div>
RNA Concentration:	77 ng/μl	Result Flagging Label:	RIN: 2.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	39.4
RNA Integrity Number (RIN):	2.6 (B.02.11, Anomaly Threshold(s)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

Fragment table for sample 6 : 17a PU 21 TP5

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-00-11.xad

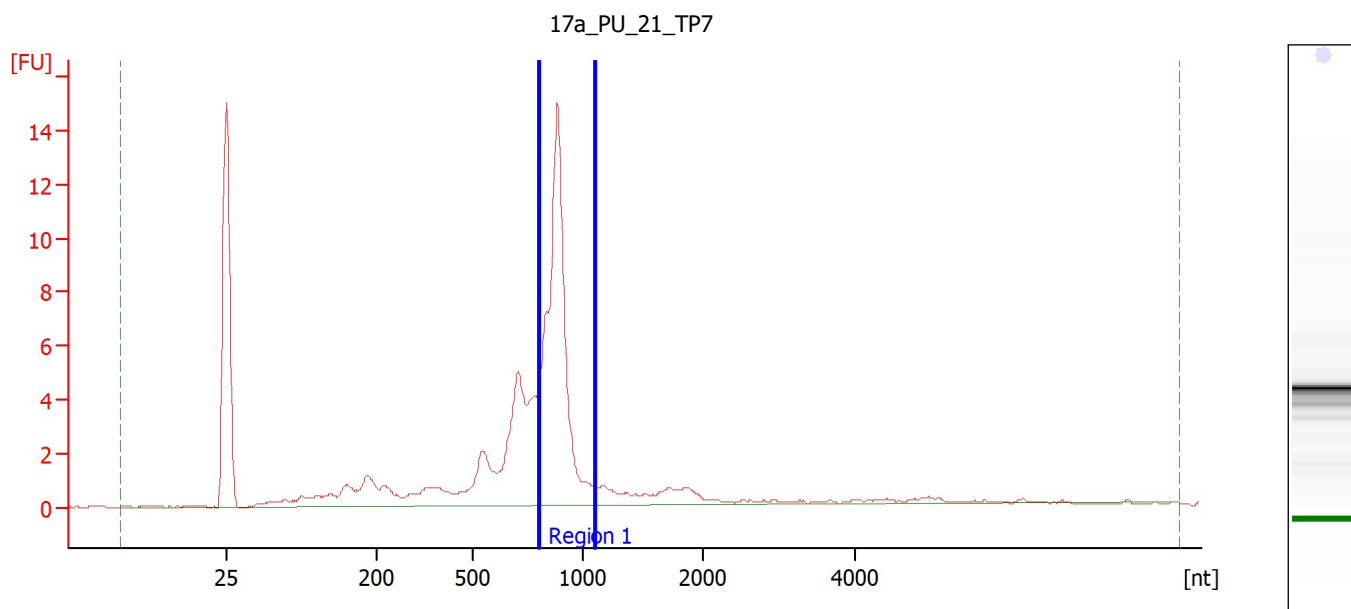
Created: 12/11/2020 9:00:11 AM
Modified: 12/11/2020 10:30:31 AM

Electropherogram Summary Continued ...**Overall Results for sample 7 : 17a PU 21 TP6**

RNA Area:	138.3	Result Flagging Color:	<div style="background-color: #d1c4e9; border: 1px solid black; width: 30px; height: 15px;"></div>
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)		

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-00-11.xad

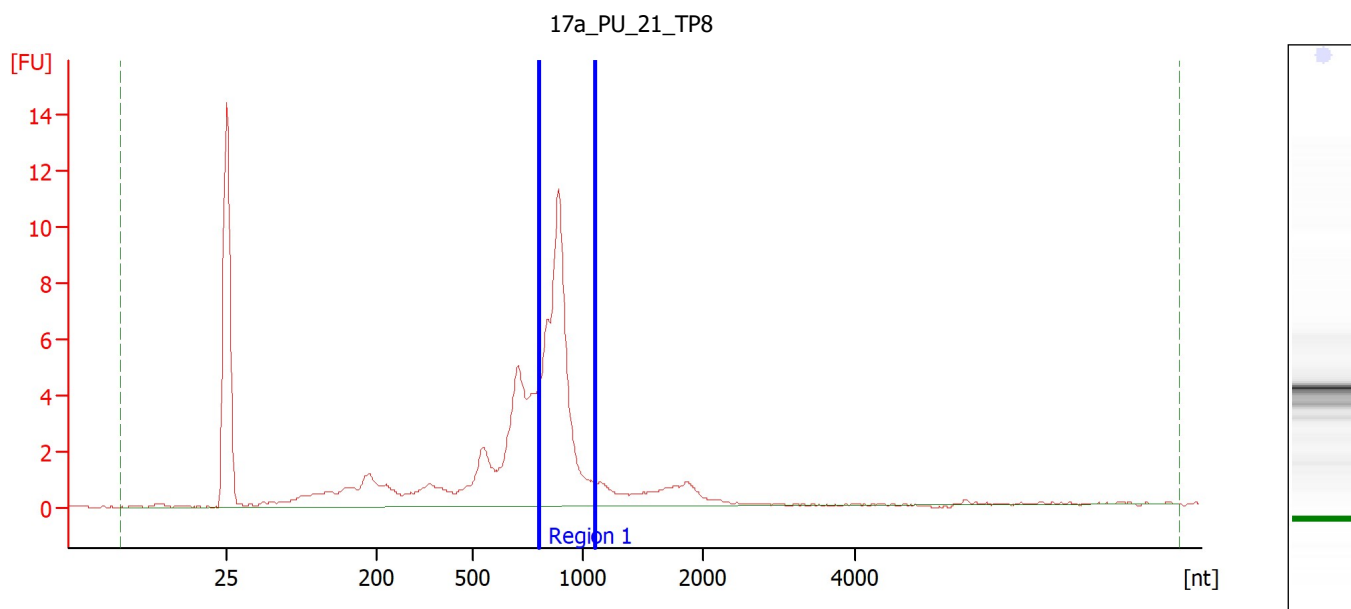
Created: 12/11/2020 9:00:11 AM
Modified: 12/11/2020 10:30:31 AM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 17a PU 21 TP7**

RNA Area:	79.0	Result Flagging Color:	<div style="background-color: #d1c4e9; border: 1px solid black; width: 30px; height: 15px;"></div>
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)		

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-00-11.xad

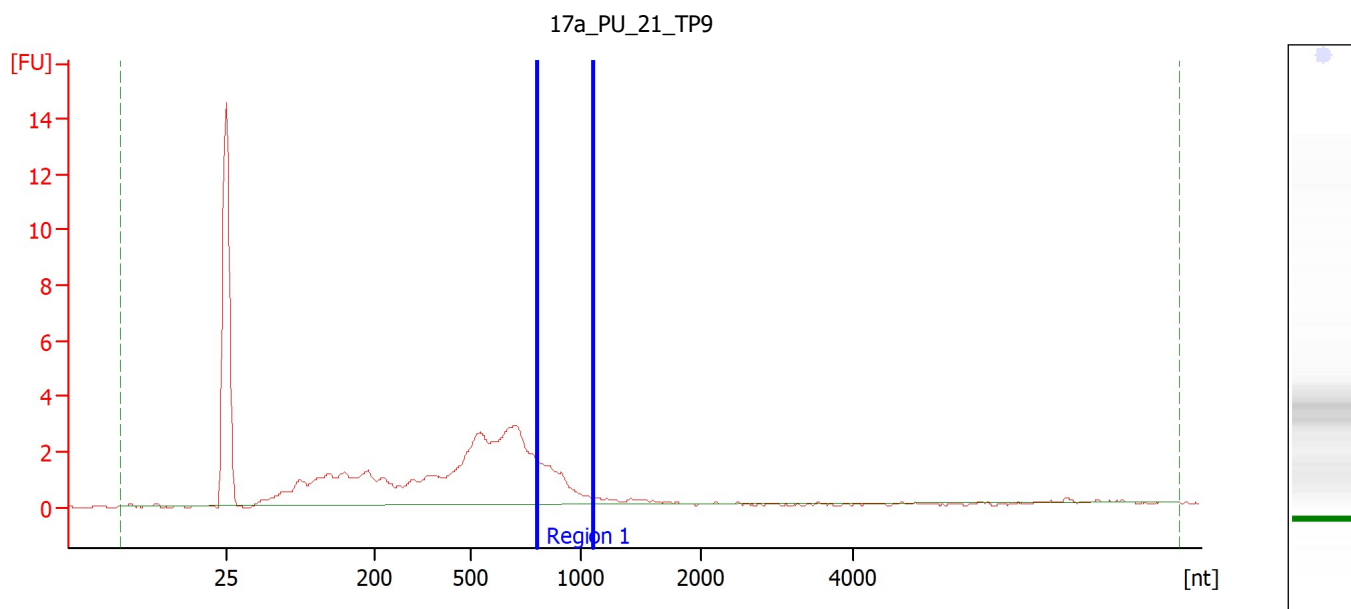
Created: 12/11/2020 9:00:11 AM
Modified: 12/11/2020 10:30:31 AM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 17a PU 21 TP8**

RNA Area:	79.0	Result Flagging Color:	<div style="background-color: #d1c4e9; border: 1px solid black; width: 30px; height: 15px;"></div>
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)		

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-00-11.xad

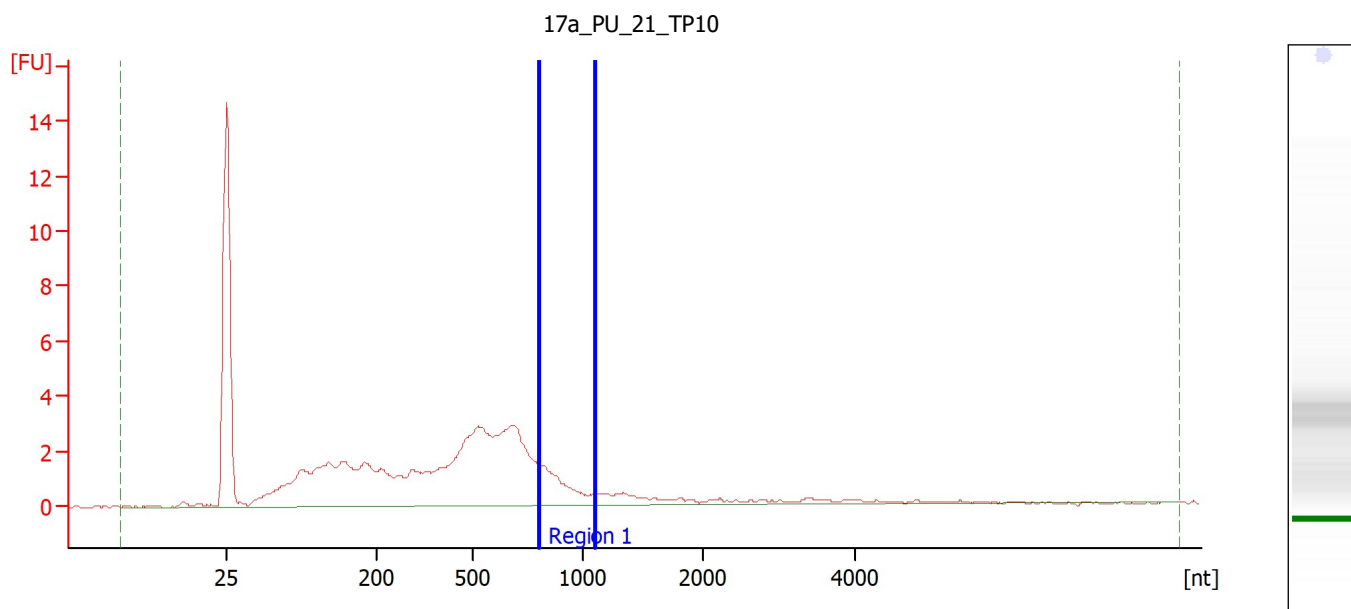
Created: 12/11/2020 9:00:11 AM
Modified: 12/11/2020 10:30:31 AM


Electropherogram Summary Continued ...**Overall Results for sample 10 : 17a_PU_21_TP9**

RNA Area:	54.0	Result Flagging Color:	<div style="background-color: #ccccff; border: 1px solid black; width: 30px; height: 15px;"></div>
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)		

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-00-11.xad

Created: 12/11/2020 9:00:11 AM
Modified: 12/11/2020 10:30:31 AM

Electropherogram Summary Continued ...**Overall Results for sample 11 : 17a_PU_21_TP10**

RNA Area:	71.6	Result Flagging Color:	
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)		

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-00-11.xad

Created: 12/11/2020 9:00:11 AM
Modified: 12/11/2020 10:30:31 AM

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