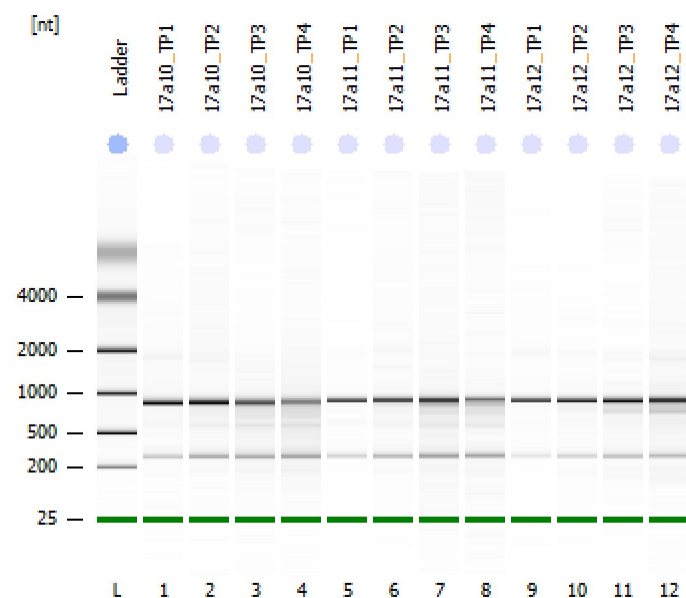


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-24-46.xad

Created: 12/2/2020 3:24:45 PM
Modified: 12/2/2020 3:59:11 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)

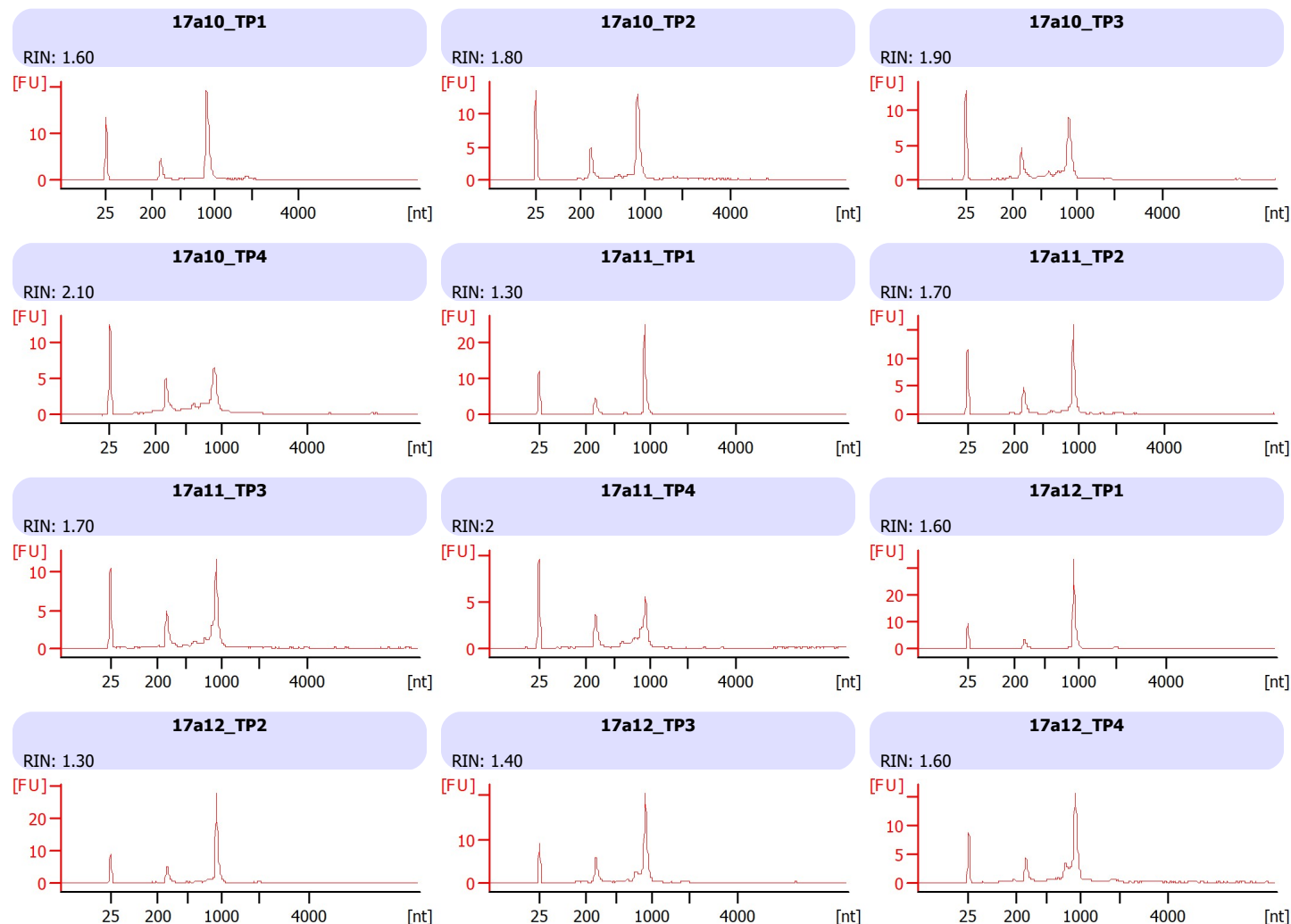
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-24-46.xad

Created: 12/2/2020 3:24:45 PM
Modified: 12/2/2020 3:59:11 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
17a10_TP1		✓ RIN: 1.60	
17a10_TP2		✓ RIN: 1.80	
17a10_TP3		✓ RIN: 1.90	
17a10_TP4		✓ RIN: 2.10	
17a11_TP1		✓ RIN: 1.30	
17a11_TP2		✓ RIN: 1.70	
17a11_TP3		✓ RIN: 1.70	
17a11_TP4		✓ RIN:2	
17a12_TP1		✓ RIN: 1.60	
17a12_TP2		✓ RIN: 1.30	
17a12_TP3		✓ RIN: 1.40	
17a12_TP4		✓ RIN: 1.60	
Ladder		✓ All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-24-46.xad

Created: 12/2/2020 3:24:45 PM
Modified: 12/2/2020 3:59:11 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

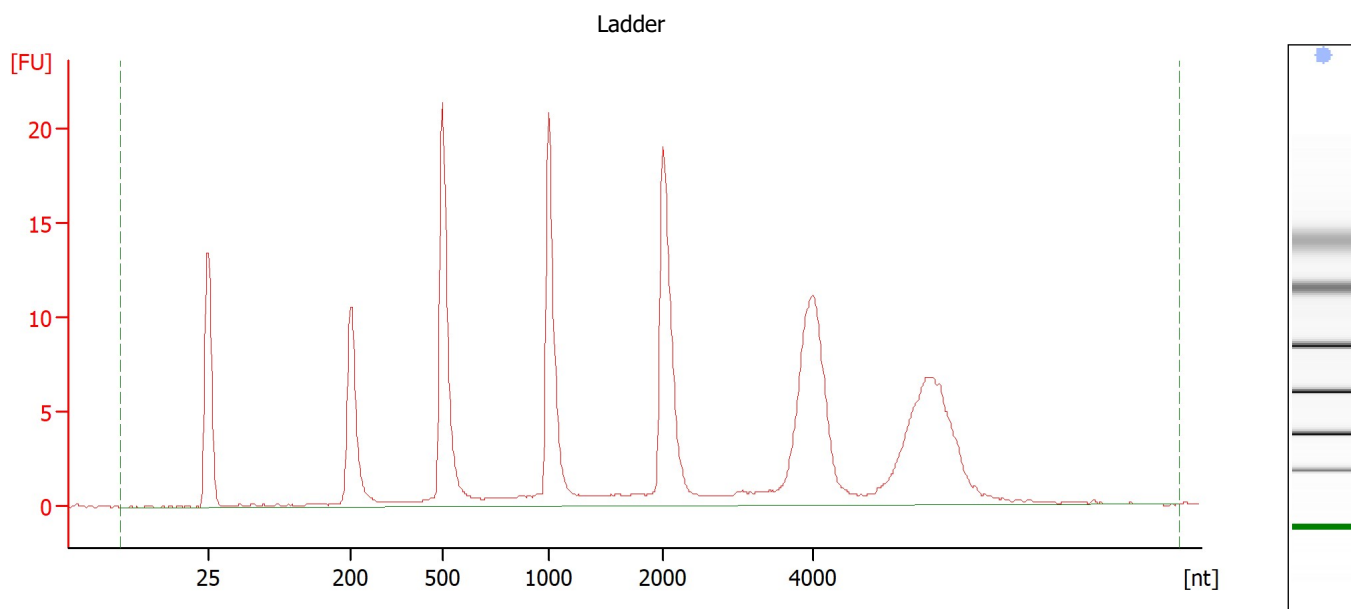
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-24-46.xad

Created: 12/2/2020 3:24:45 PM
Modified: 12/2/2020 3:59:11 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 178.8

Result Flagging Color:



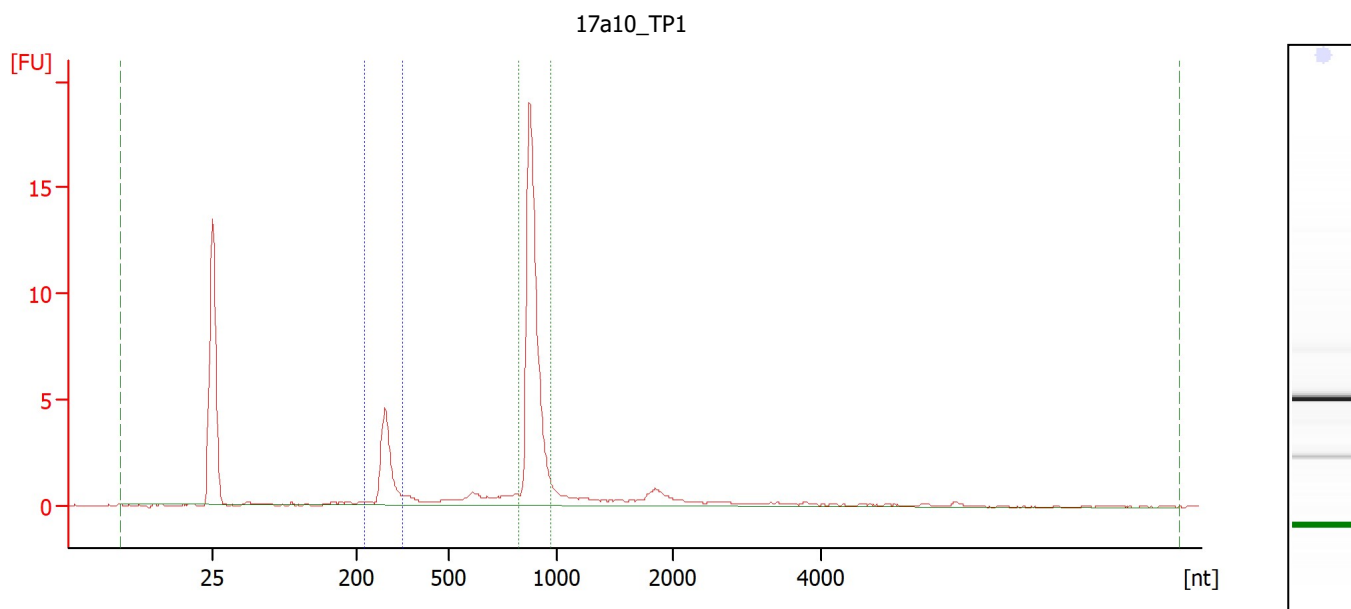
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-24-46.xad

Created: 12/2/2020 3:24:45 PM
 Modified: 12/2/2020 3:59:11 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : 17a10 TP1**

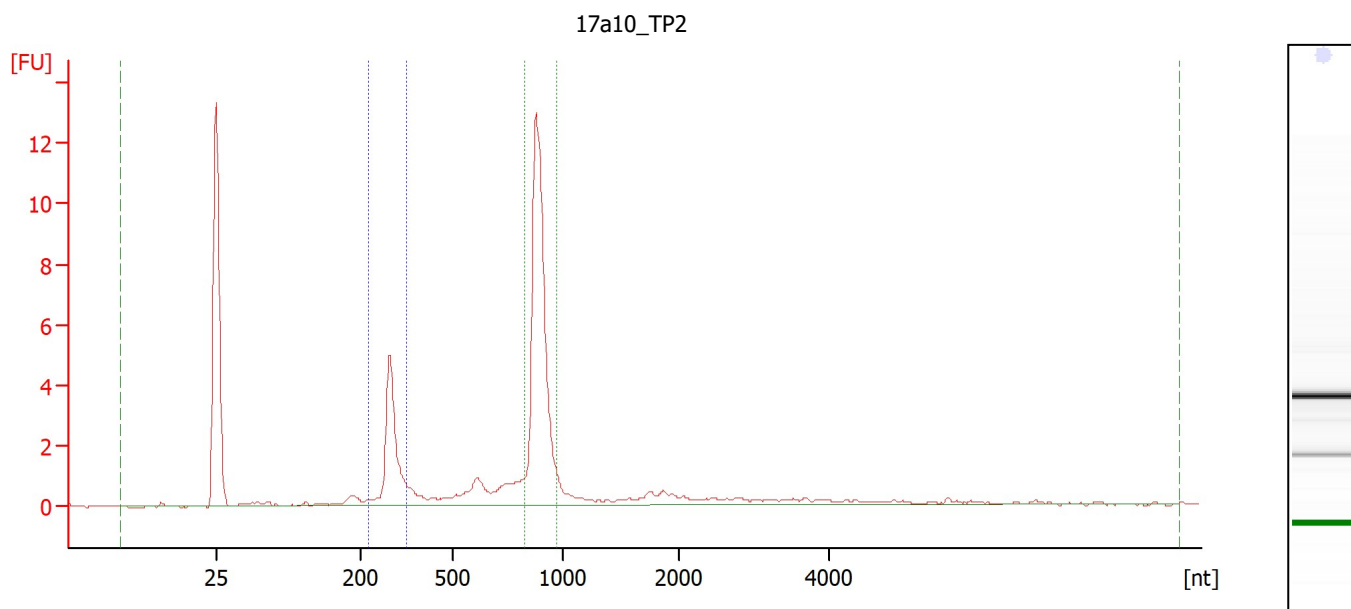
RNA Area:	51.3	Result Flagging Color:	
RNA Concentration:	43 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	7.7
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	28.8

Region table for sample 1 : 17a10 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	7.7	15	
Region 2	825	975	28.8	56	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-24-46.xad

Created: 12/2/2020 3:24:45 PM
Modified: 12/2/2020 3:59:11 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 17a10_TP2**

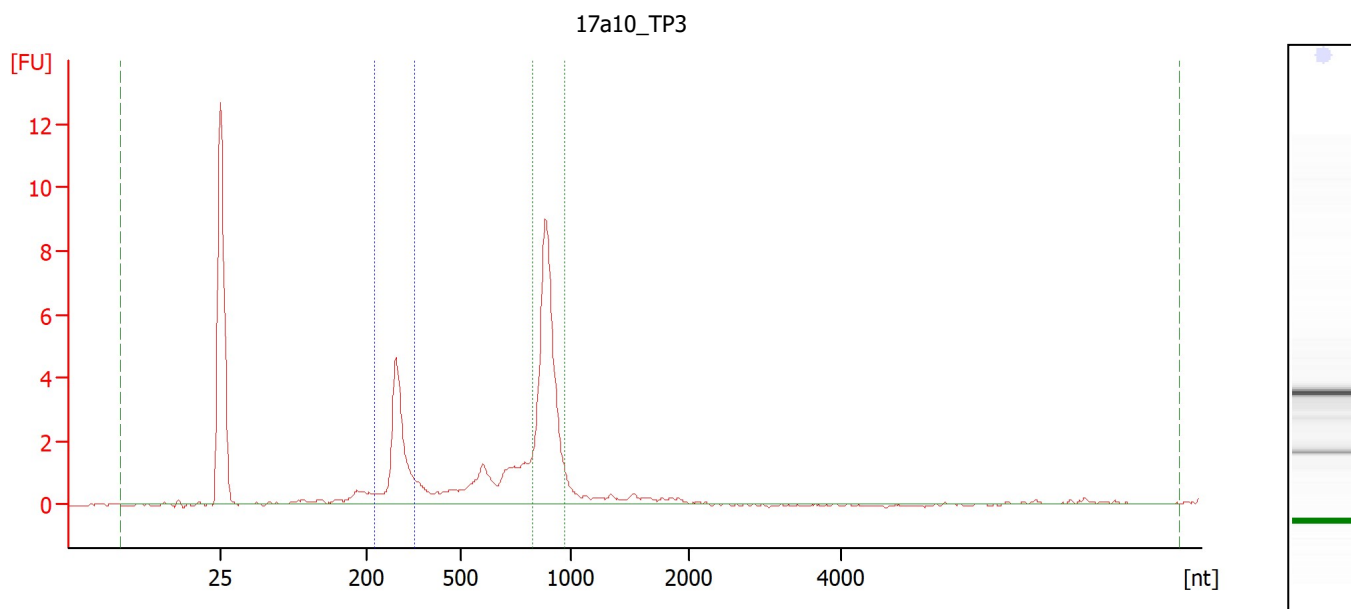
RNA Area:	47.0	Result Flagging Color:	
RNA Concentration:	39 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	8.8
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	22.3

Region table for sample 2 : 17a10_TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	8.8	19	
Region 2	825	975	22.3	47	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-24-46.xad

Created: 12/2/2020 3:24:45 PM
 Modified: 12/2/2020 3:59:11 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 17a10_TP3**

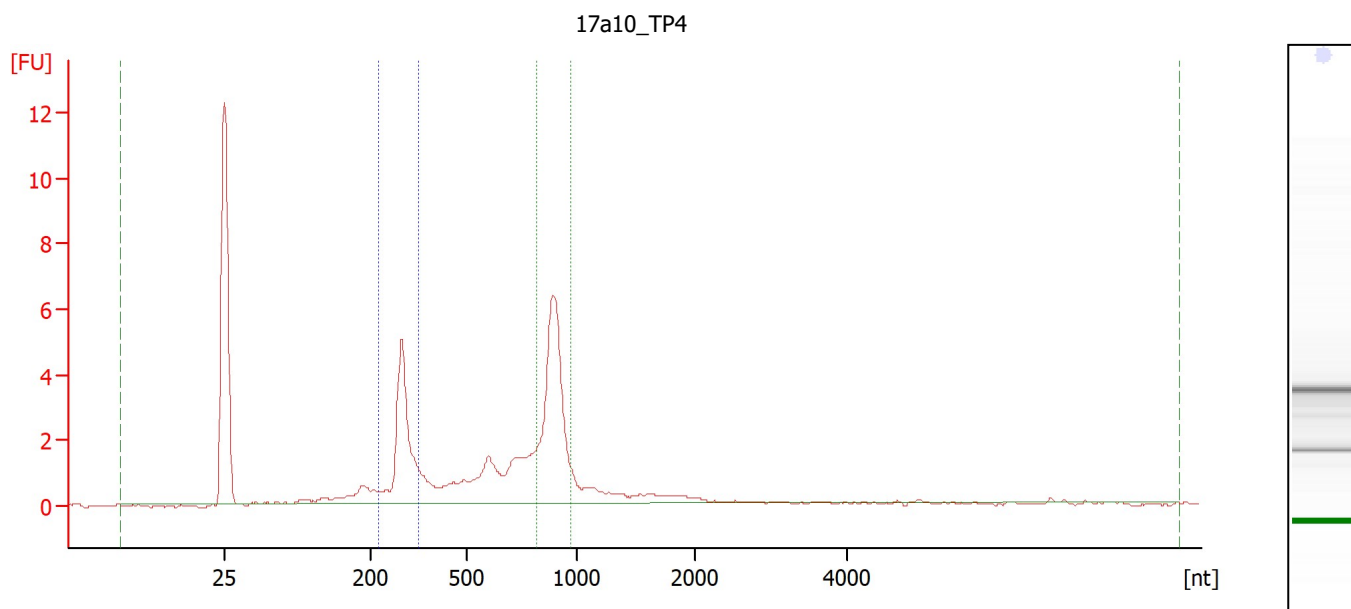
RNA Area:	44.3	Result Flagging Color:	
RNA Concentration:	37 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	8.9
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	17.9

Region table for sample 3 : 17a10_TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	8.9	20	
Region 2	825	975	17.9	40	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-24-46.xad

Created: 12/2/2020 3:24:45 PM
 Modified: 12/2/2020 3:59:11 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 17a10 TP4**

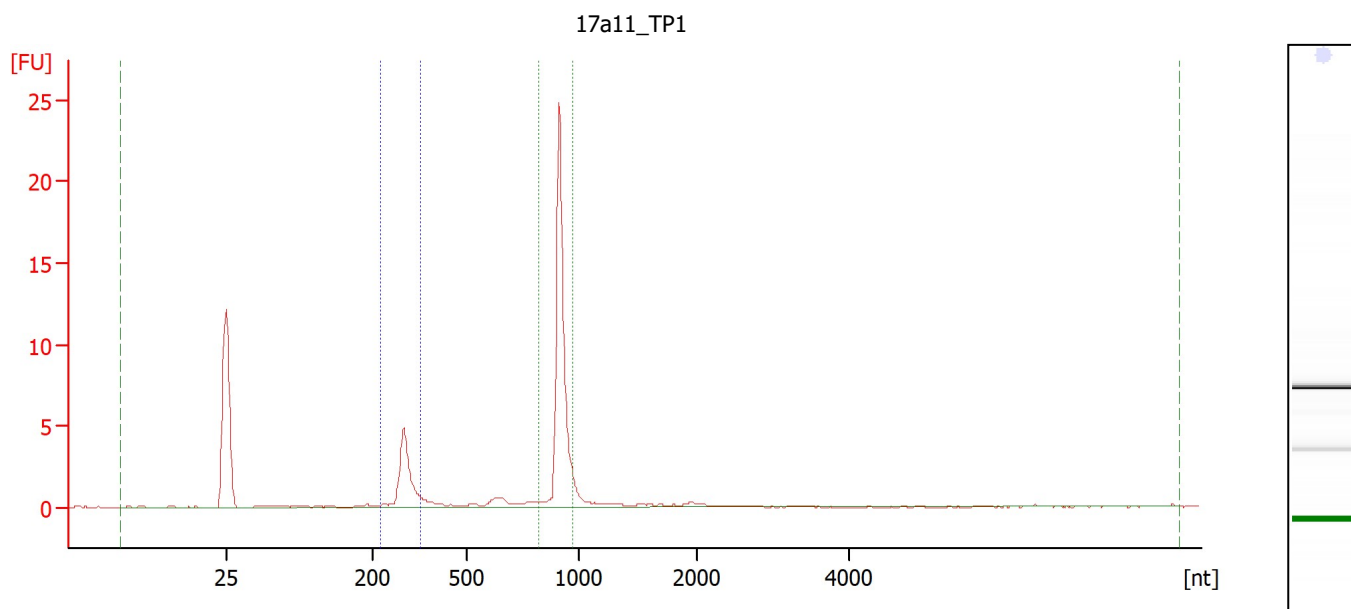
RNA Area:	47.4	Result Flagging Color:	
RNA Concentration:	40 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	10.0
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	14.3

Region table for sample 4 : 17a10 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	10.0	21	
Region 2	825	975	14.3	30	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-24-46.xad

Created: 12/2/2020 3:24:45 PM
Modified: 12/2/2020 3:59:11 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 17a11 TP1**

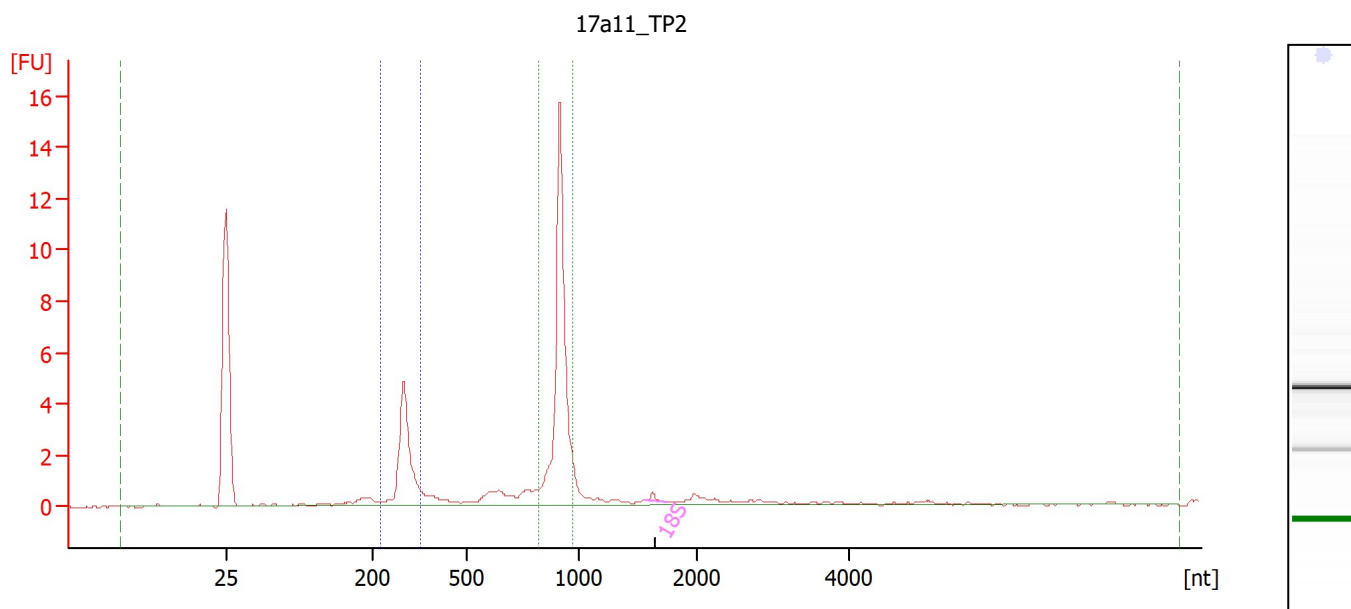
RNA Area:	40.4	Result Flagging Color:	<div></div>
RNA Concentration:	34 ng/μl	Result Flagging Label:	RIN: 1.30
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	8.1
RNA Integrity Number (RIN):	1.3 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	24.6

Region table for sample 5 : 17a11 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	8.1	20	<div></div>
Region 2	825	975	24.6	61	<div></div>

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-24-46.xad

Created: 12/2/2020 3:24:45 PM
 Modified: 12/2/2020 3:59:11 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 17a11_TP2**

RNA Area:	41.9	Result Flagging Color:	
RNA Concentration:	35 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	8.5
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	19.2

Fragment table for sample 6 : 17a11_TP2

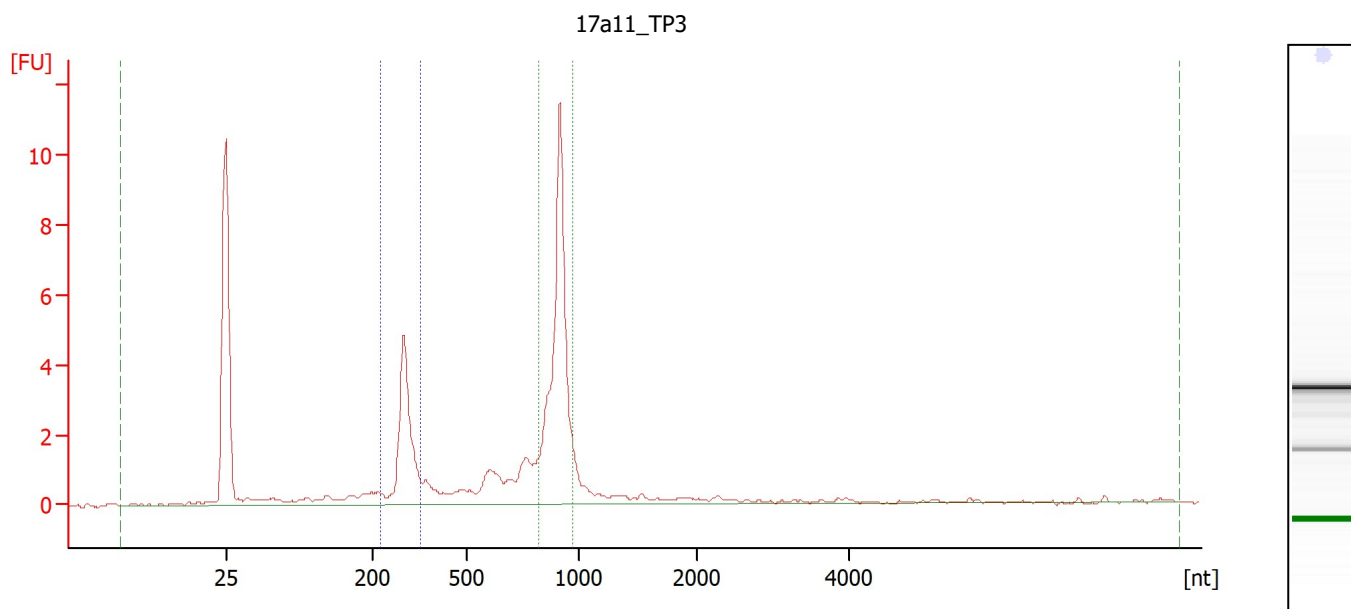
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,571	1,751	0.2	0.5

Region table for sample 6 : 17a11_TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	8.5	20	
Region 2	825	975	19.2	46	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-24-46.xad

Created: 12/2/2020 3:24:45 PM
 Modified: 12/2/2020 3:59:11 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : 17a11 TP3**

RNA Area:	49.8	Result Flagging Color:	
RNA Concentration:	42 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	9.1
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	18.8

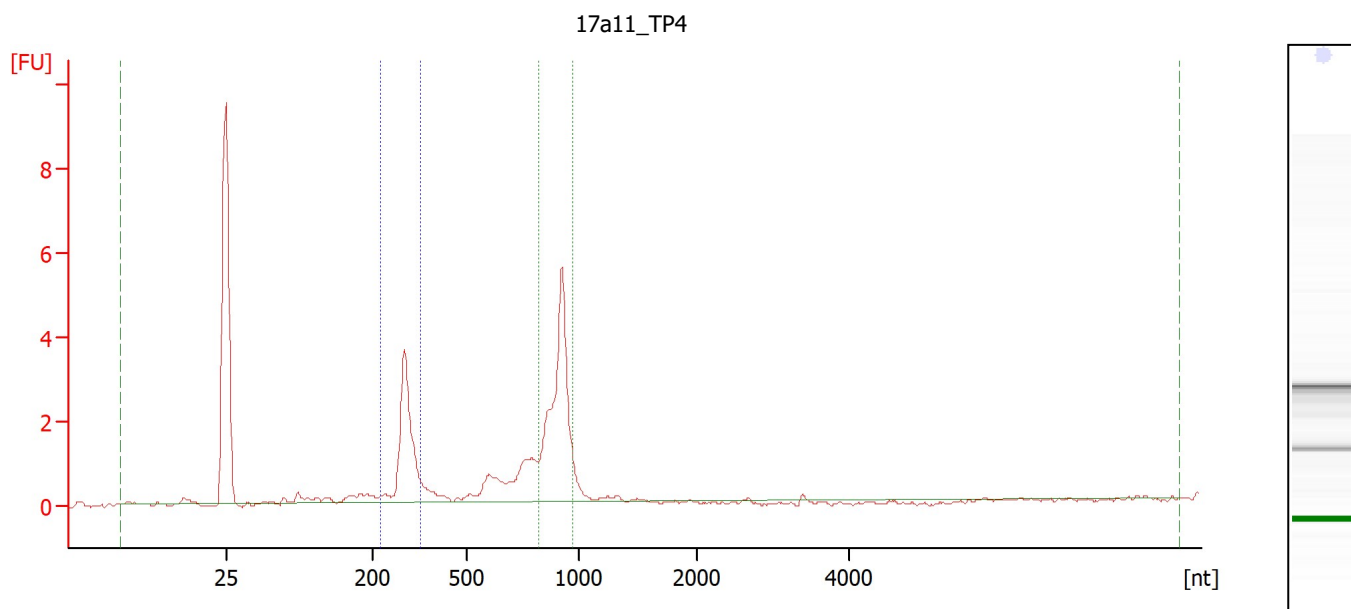
Region table for sample 7 : 17a11 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	9.1	18	
Region 2	825	975	18.8	38	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-24-46.xad

Created: 12/2/2020 3:24:45 PM
 Modified: 12/2/2020 3:59:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 17a11 TP4

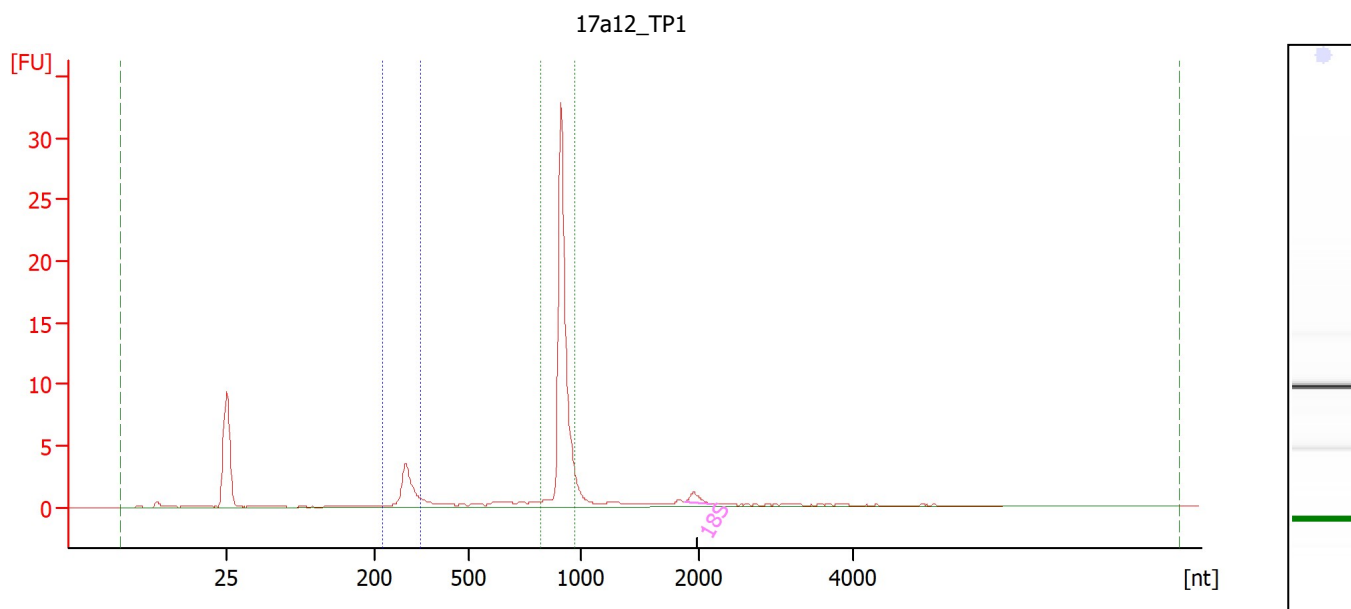
RNA Area:	26.5	Result Flagging Color:	
RNA Concentration:	22 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	6.6
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	10.6

Region table for sample 8 : 17a11 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	6.6	25	
Region 2	825	975	10.6	40	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-24-46.xad

Created: 12/2/2020 3:24:45 PM
 Modified: 12/2/2020 3:59:11 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 17a12_TP1**

RNA Area:	59.5	Result Flagging Color:	
RNA Concentration:	50 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	6.5
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	33.5

Fragment table for sample 9 : 17a12_TP1

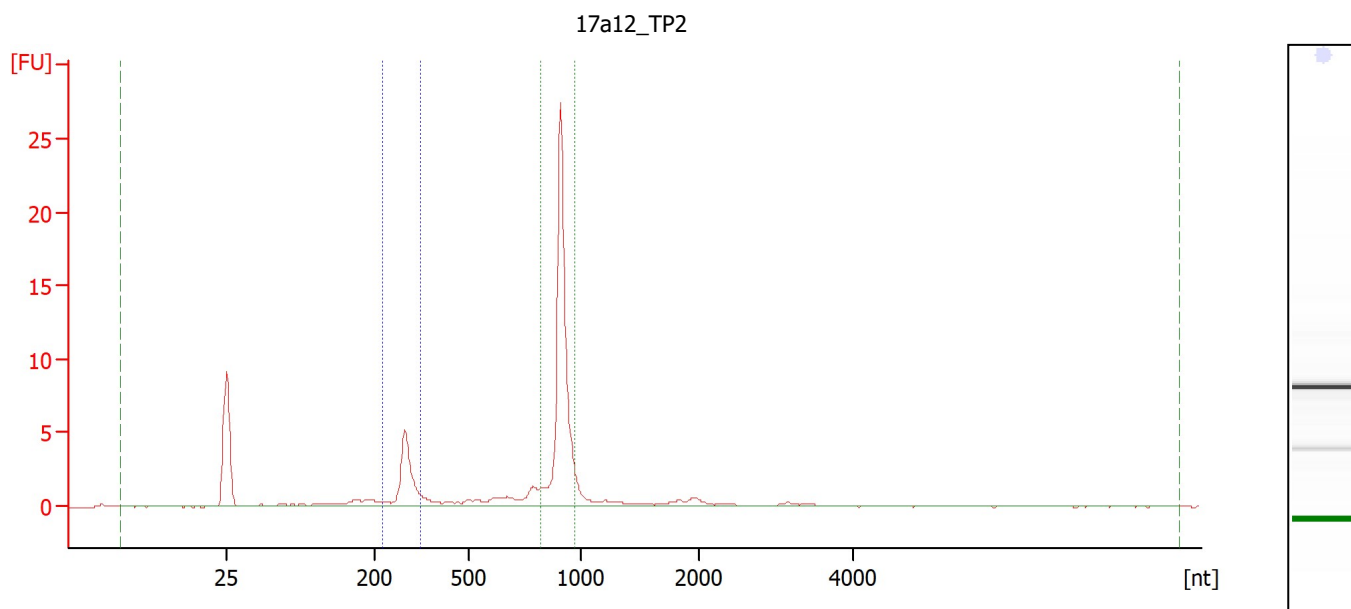
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,879	2,161	0.9	1.6

Region table for sample 9 : 17a12_TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	6.5	11	
Region 2	825	975	33.5	56	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-24-46.xad

Created: 12/2/2020 3:24:45 PM
Modified: 12/2/2020 3:59:11 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 17a12_TP2**

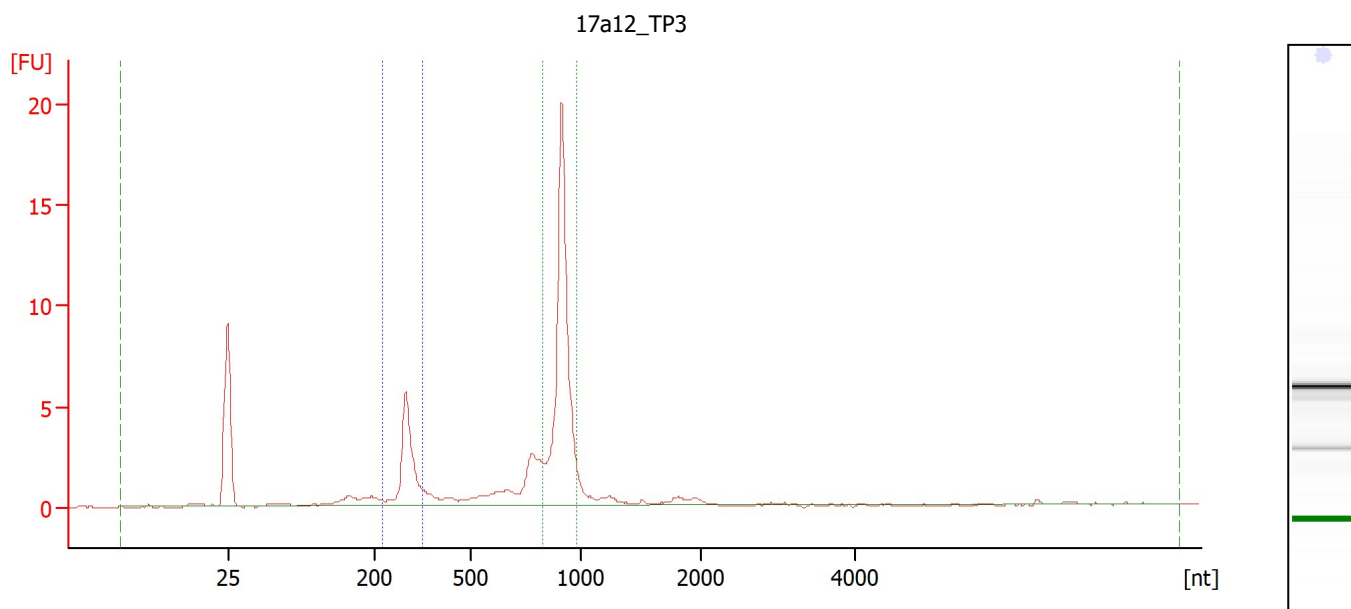
RNA Area:	60.6	Result Flagging Color:	<div></div>
RNA Concentration:	51 ng/μl	Result Flagging Label:	RIN: 1.30
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	9.3
RNA Integrity Number (RIN):	1.3 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	32.1

Region table for sample 10 : 17a12_TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	9.3	15	<div></div>
Region 2	825	975	32.1	53	<div></div>

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-24-46.xad

Created: 12/2/2020 3:24:45 PM
Modified: 12/2/2020 3:59:11 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : 17a12_TP3**

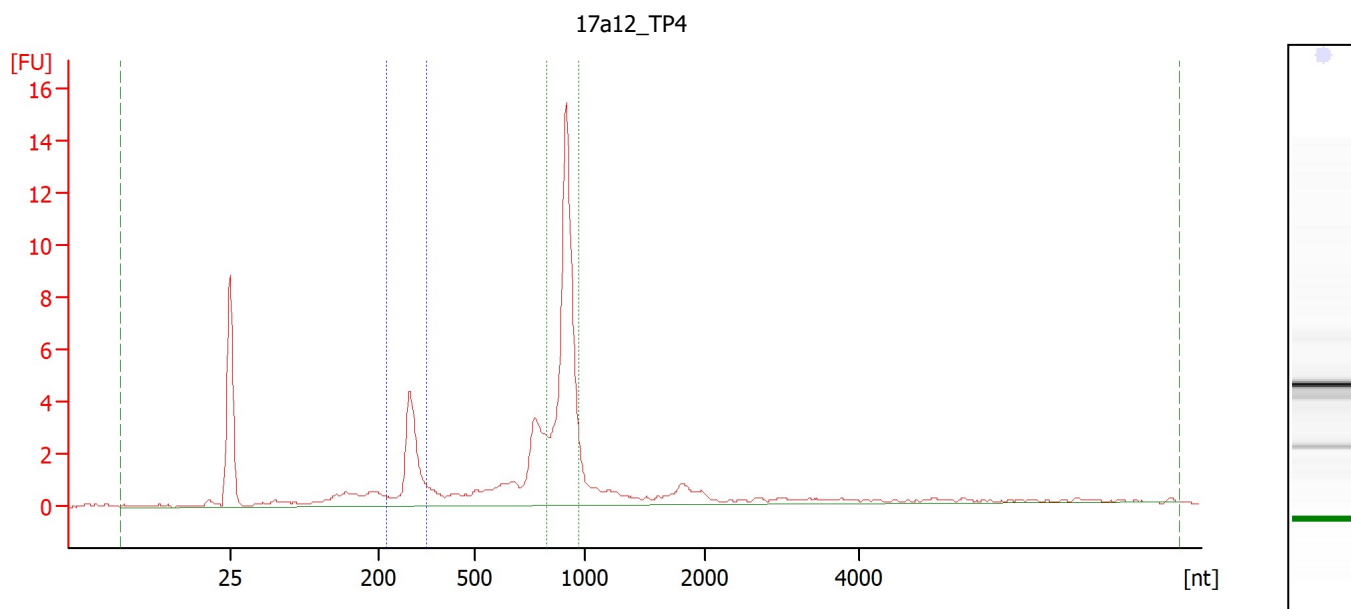
RNA Area:	61.3	Result Flagging Color:	
RNA Concentration:	51 ng/μl	Result Flagging Label:	RIN: 1.40
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	10.1
RNA Integrity Number (RIN):	1.4 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	29.1

Region table for sample 11 : 17a12_TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	10.1	16	
Region 2	825	975	29.1	48	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-24-46.xad

Created: 12/2/2020 3:24:45 PM
Modified: 12/2/2020 3:59:11 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : 17a12_TP4**

RNA Area:	65.1	Result Flagging Color:	
RNA Concentration:	55 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	8.4
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	25.6

Region table for sample 12 : 17a12_TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	8.4	13	
Region 2	825	975	25.6	39	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-24-46.xad

Created: 12/2/2020 3:24:45 PM
Modified: 12/2/2020 3:59:11 PM

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