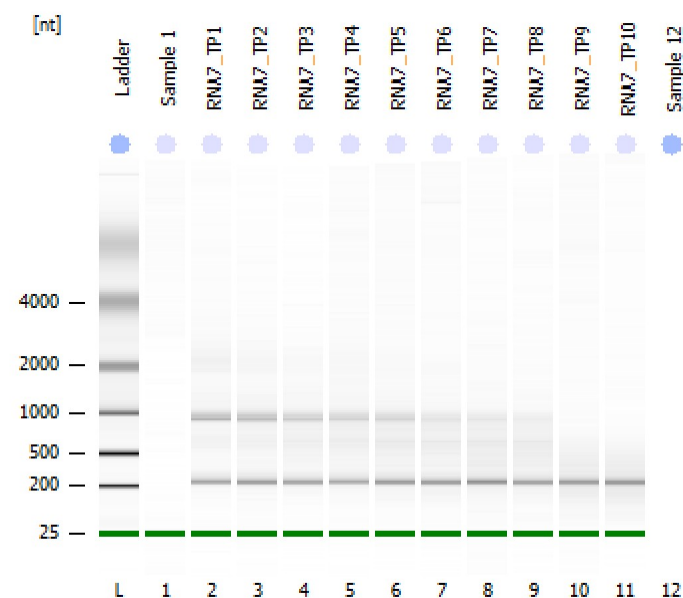


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-33-27.xad

Created: 10/12/2020 4:33:26 PM
Modified: 10/12/2020 5:09:10 PM

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)

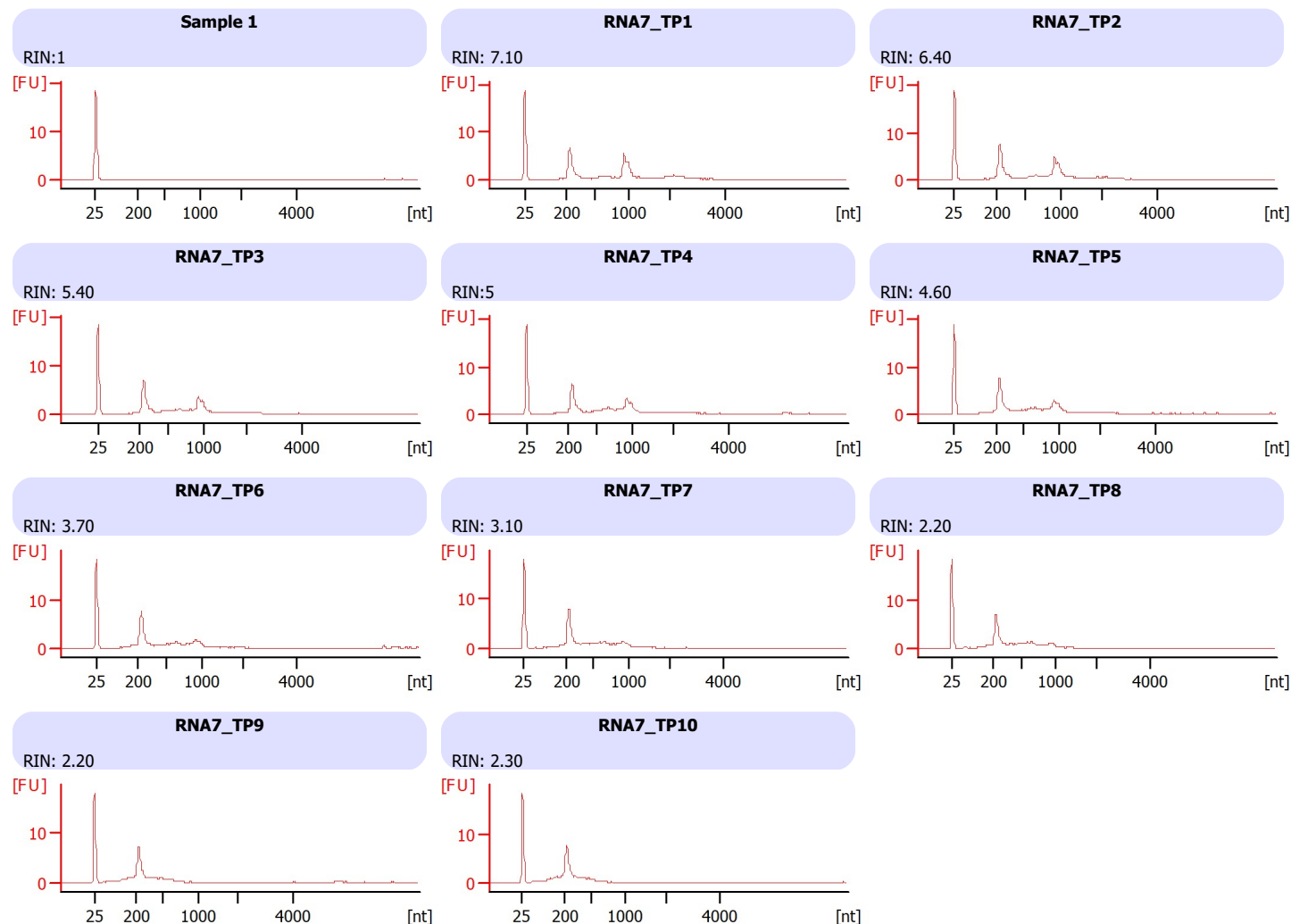
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-33-27.xad

Created: 10/12/2020 4:33:26 PM
Modified: 10/12/2020 5:09:10 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat	Result Label	Result Color
Sample 1		✓	RIN:1	
RNA7_TP1		✓	RIN: 7.10	
RNA7_TP2		✓	RIN: 6.40	
RNA7_TP3		✓	RIN: 5.40	
RNA7_TP4		✓	RIN:5	
RNA7_TP5		✓	RIN: 4.60	
RNA7_TP6		✓	RIN: 3.70	
RNA7_TP7		✓	RIN: 3.10	
RNA7_TP8		✓	RIN: 2.20	
RNA7_TP9		✓	RIN: 2.20	
RNA7_TP10		✓	RIN: 2.30	
Sample 12				
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-33-27.xad

Created: 10/12/2020 4:33:26 PM
Modified: 10/12/2020 5:09:10 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

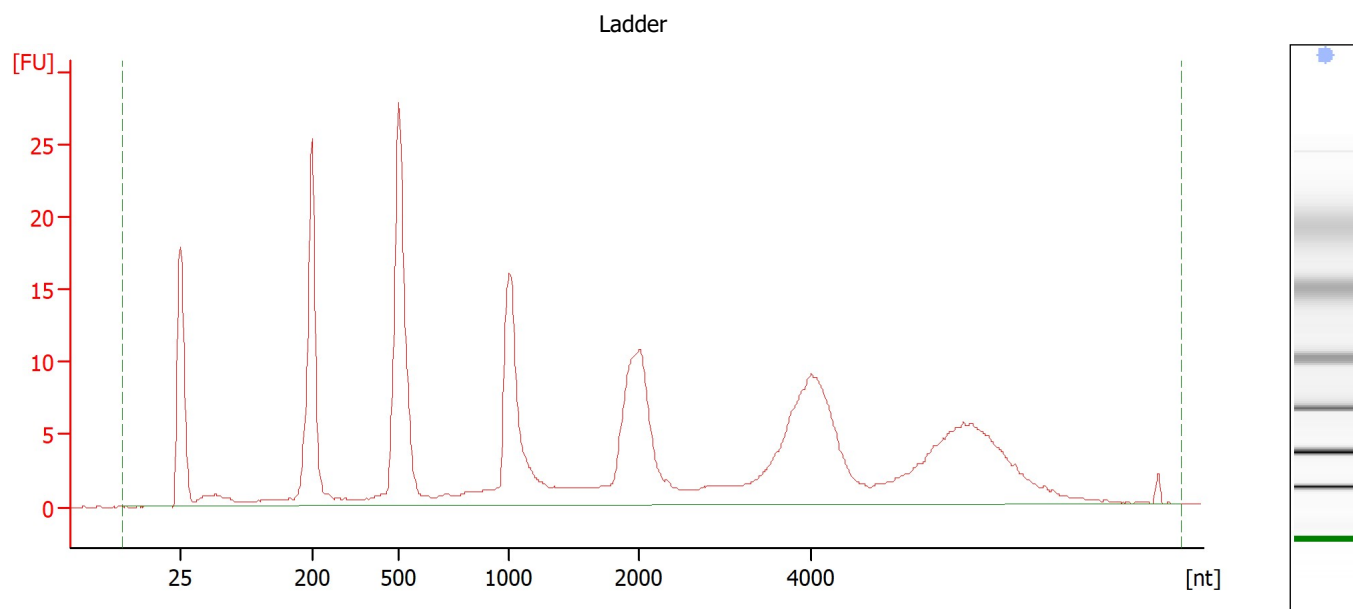
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-33-27.xad

Created: 10/12/2020 4:33:26 PM
Modified: 10/12/2020 5:09:10 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 296.2

Result Flagging Color:



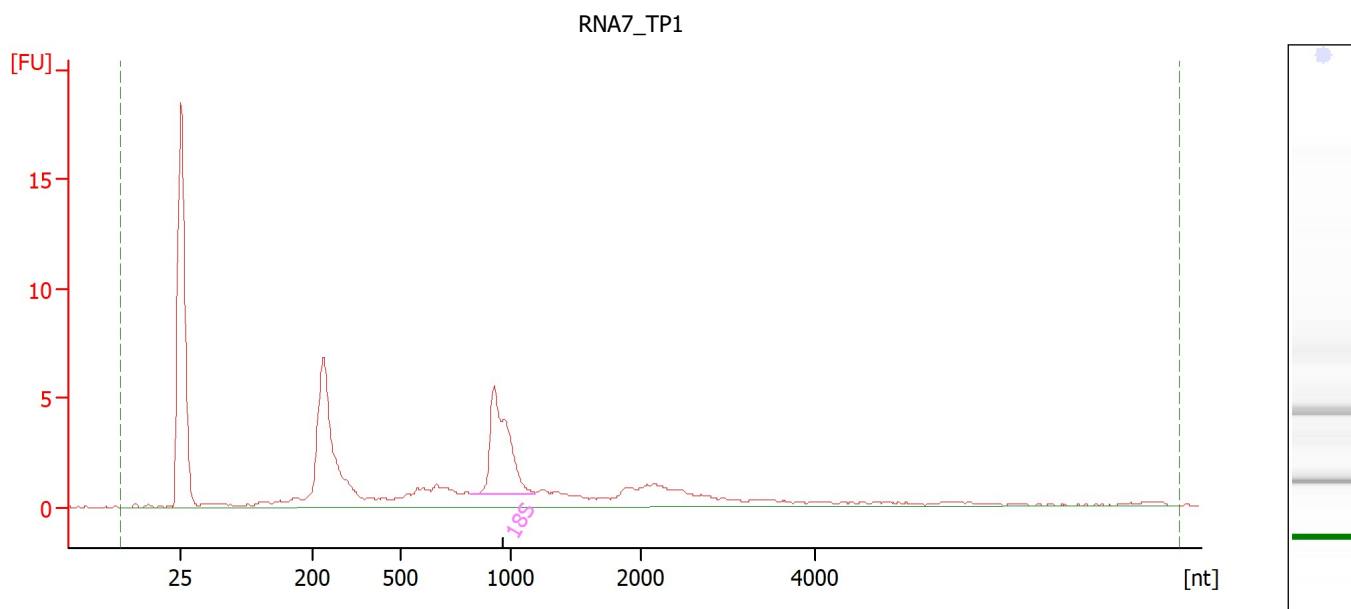
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-33-27.xad

Created: 10/12/2020 4:33:26 PM
Modified: 10/12/2020 5:09:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : RNA7_TP1**

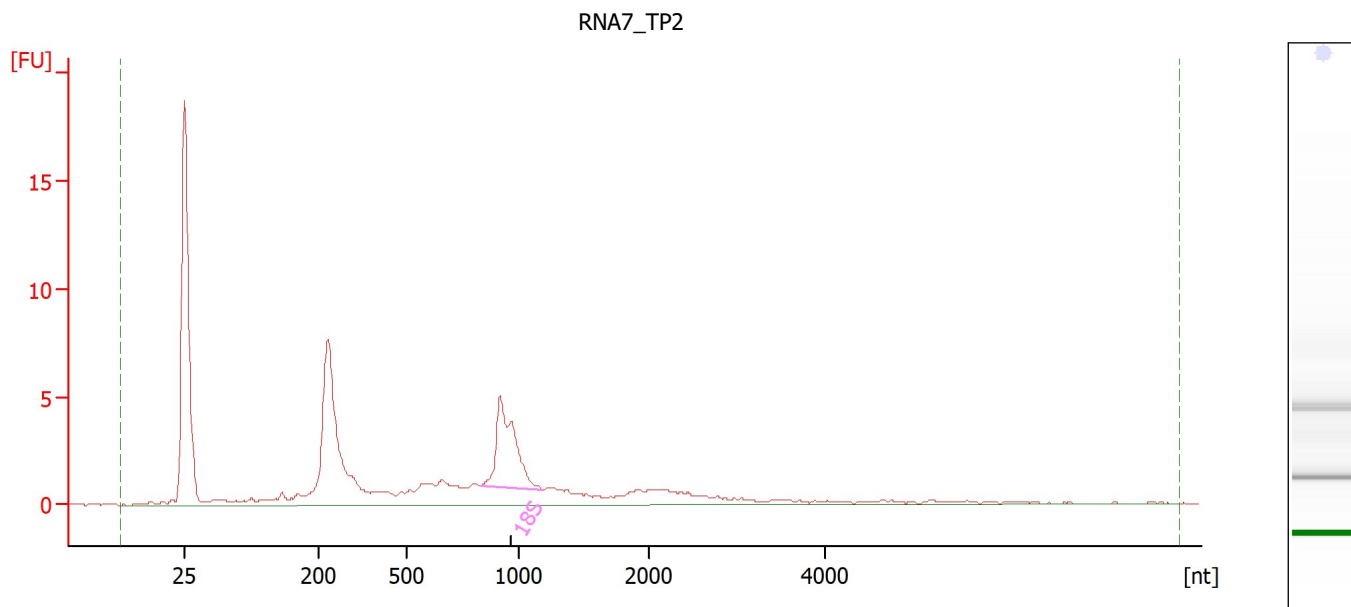
RNA Area:	71.6	RNA Integrity Number (RIN):	7.1 (B.02.10)
RNA Concentration:	36 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.10

Fragment table for sample 2 : RNA7_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	819	1,186	12.3	17.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-33-27.xad

Created: 10/12/2020 4:33:26 PM
Modified: 10/12/2020 5:09:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : RNA7_TP2**

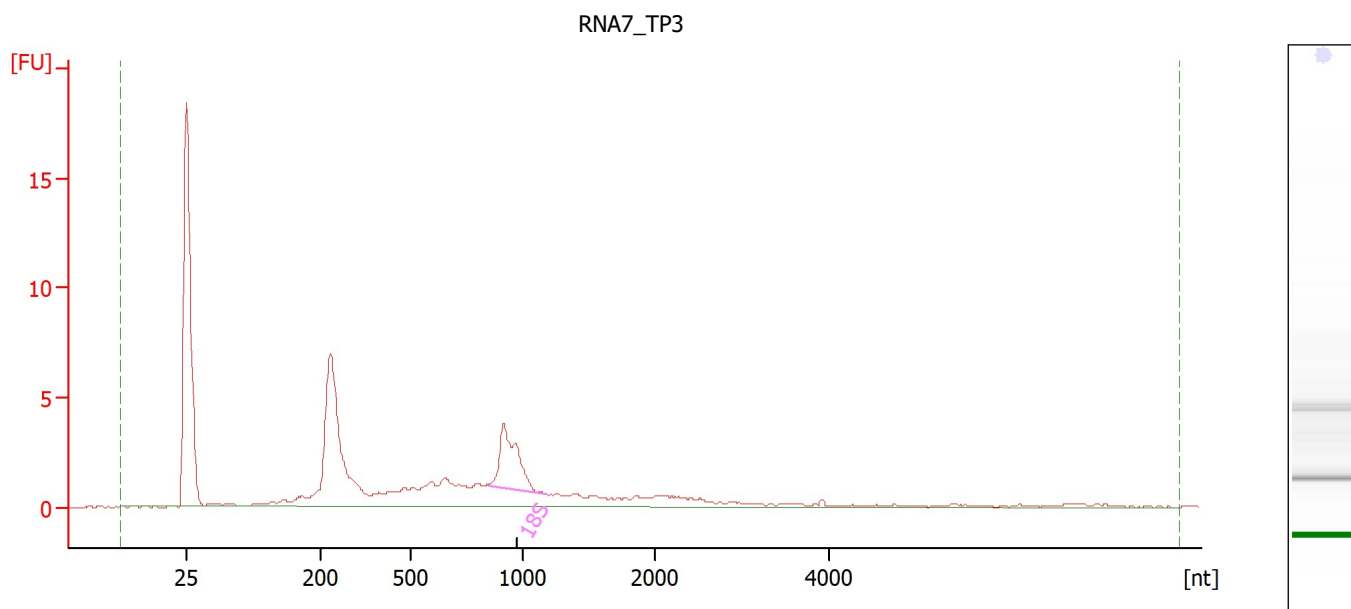
RNA Area:	74.5	RNA Integrity Number (RIN):	6.4 (B.02.10)
RNA Concentration:	38 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.40

Fragment table for sample 3 : RNA7_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	826	1,178	11.0	14.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-33-27.xad

Created: 10/12/2020 4:33:26 PM
Modified: 10/12/2020 5:09:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : RNA7_TP3**

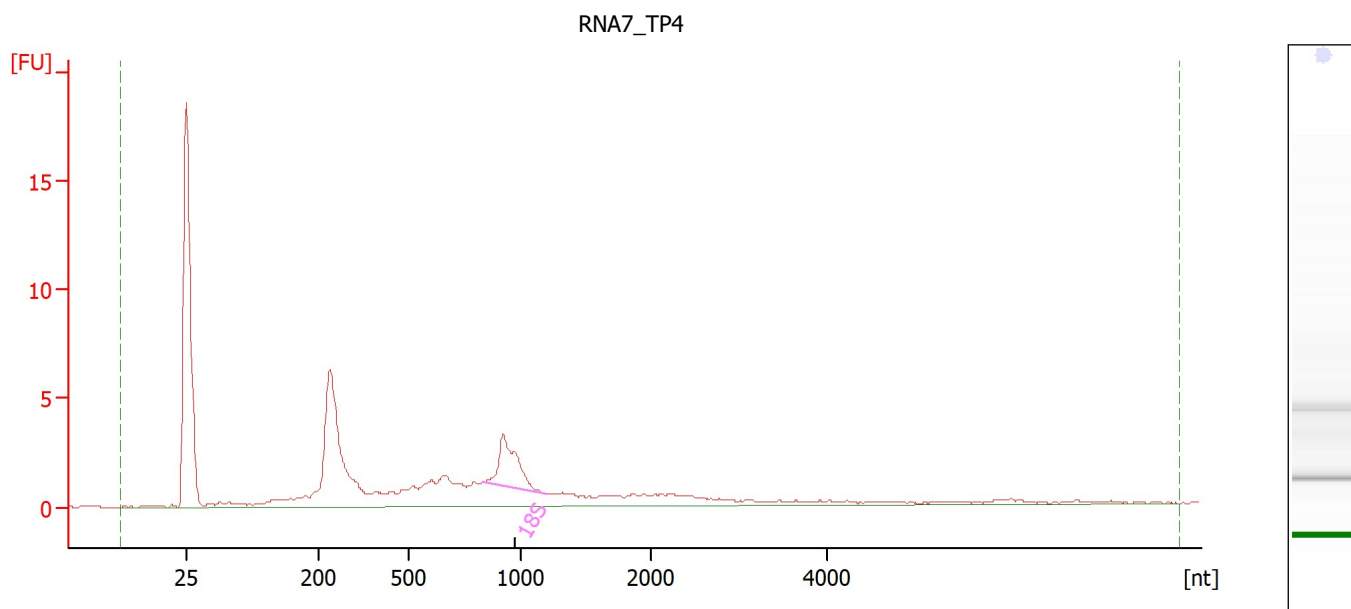
RNA Area:	62.6	RNA Integrity Number (RIN):	5.4 (B.02.10)
RNA Concentration:	32 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.40

Fragment table for sample 4 : RNA7_TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	849	1,166	7.3	11.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-33-27.xad

Created: 10/12/2020 4:33:26 PM
Modified: 10/12/2020 5:09:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : RNA7_TP4**

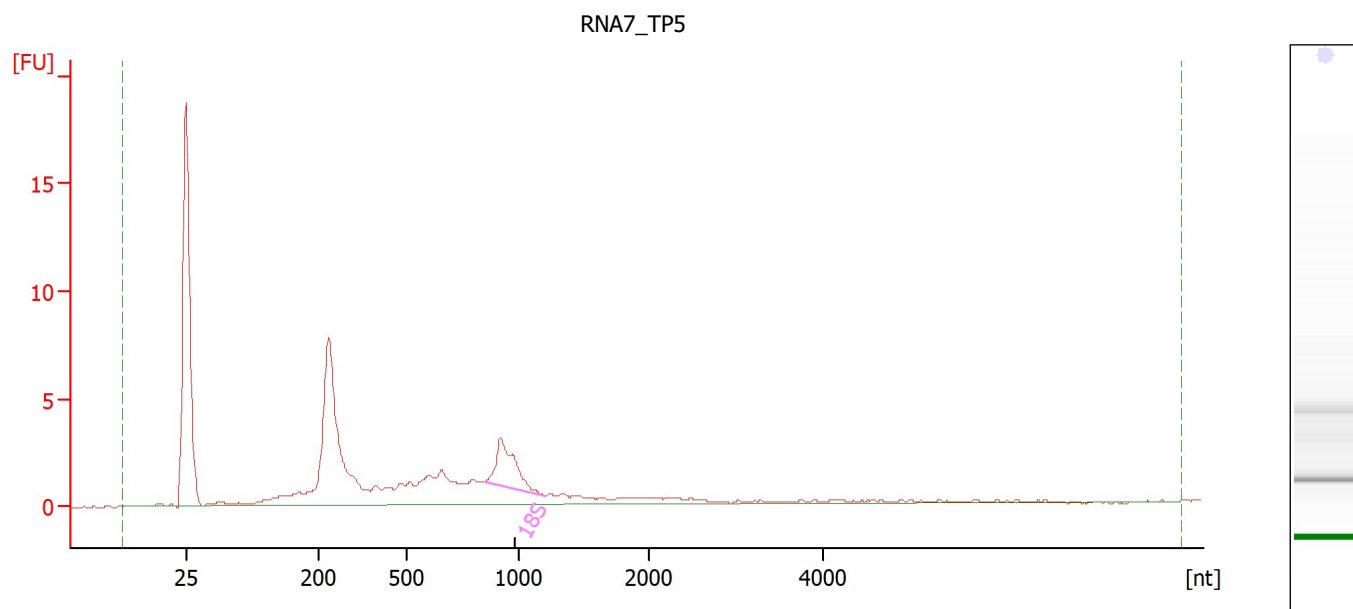
RNA Area:	67.3	RNA Integrity Number (RIN):	5 (B.02.10)
RNA Concentration:	34 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:5

Fragment table for sample 5 : RNA7_TP4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	833	1,204	6.4	9.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-33-27.xad

Created: 10/12/2020 4:33:26 PM
Modified: 10/12/2020 5:09:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : RNA7_TP5**

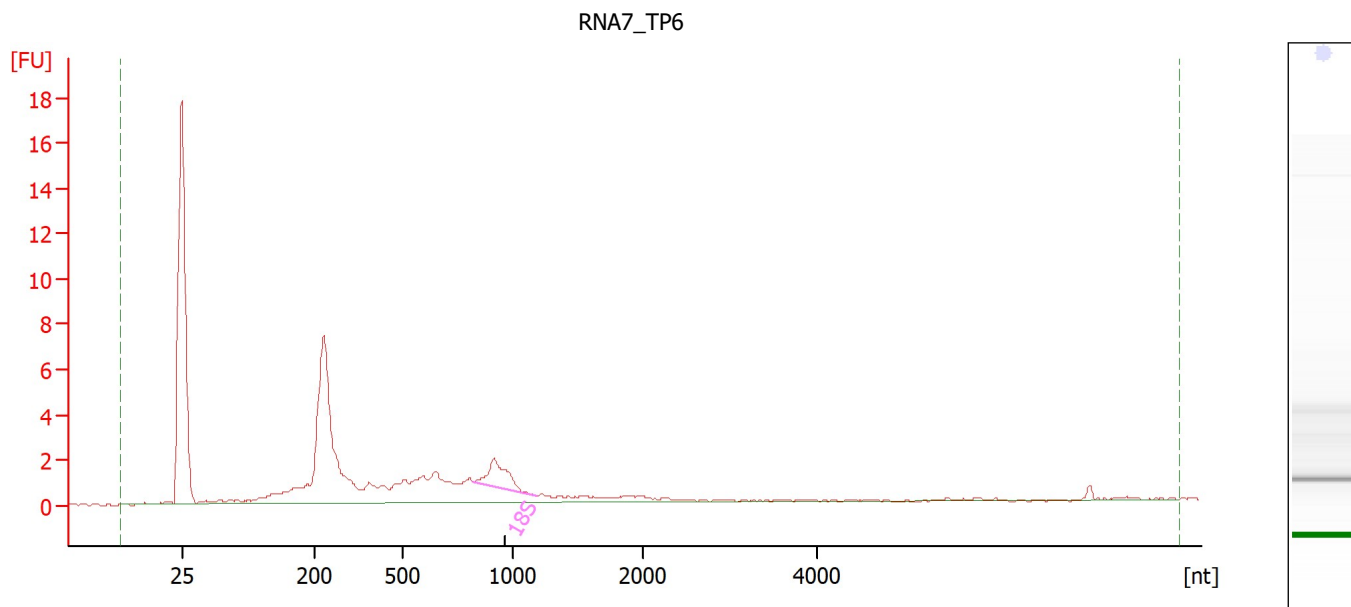
RNA Area:	64.8	RNA Integrity Number (RIN):	4.6 (B.02.10)
RNA Concentration:	33 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.60

Fragment table for sample 6 : RNA7_TP5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	848	1,200	6.0	9.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-33-27.xad

Created: 10/12/2020 4:33:26 PM
Modified: 10/12/2020 5:09:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : RNA7_TP6**

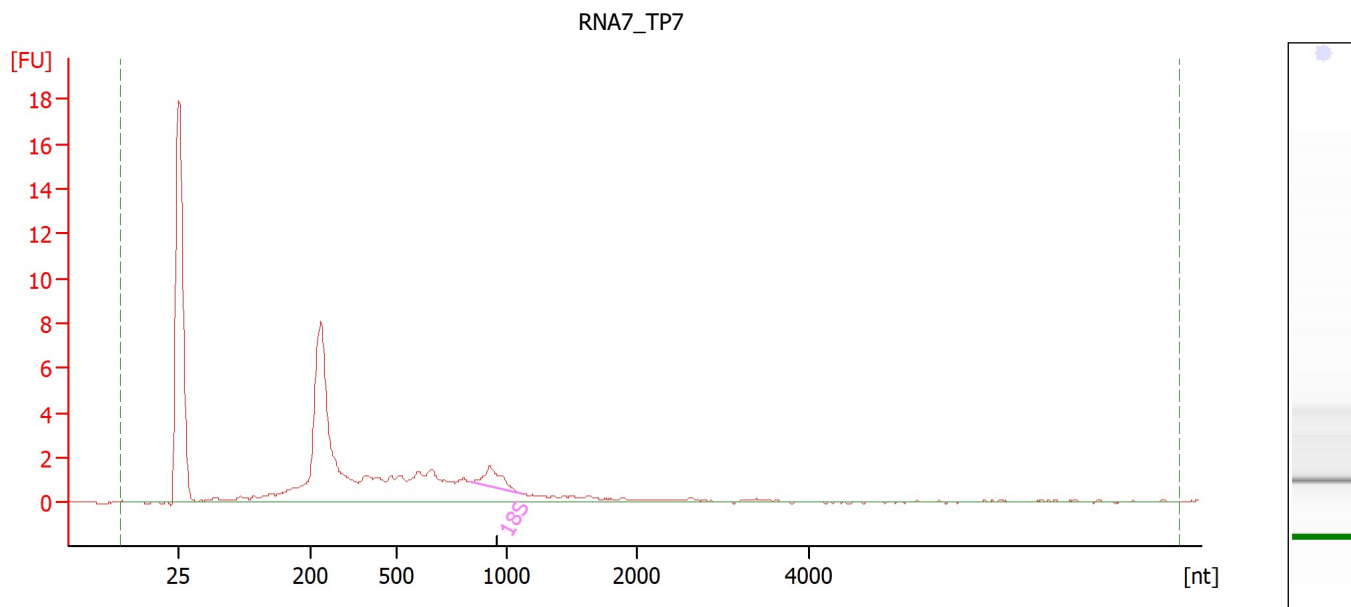
RNA Area:	54.6	RNA Integrity Number (RIN):	3.7 (B.02.10)
RNA Concentration:	28 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.70

Fragment table for sample 7 : RNA7_TP6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	821	1,179	3.6	6.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-33-27.xad

Created: 10/12/2020 4:33:26 PM
Modified: 10/12/2020 5:09:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : RNA7_TP7**

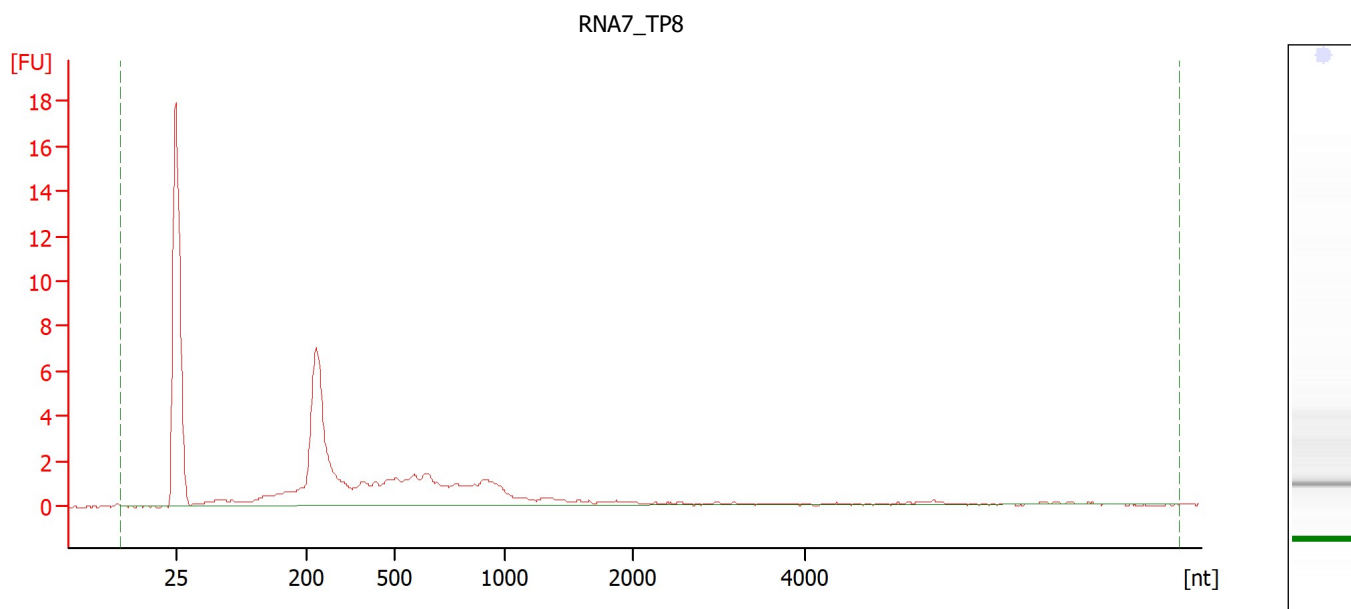
RNA Area:	56.0	RNA Integrity Number (RIN):	3.1 (B.02.10)
RNA Concentration:	28 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.10

Fragment table for sample 8 : RNA7_TP7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	830	1,115	2.5	4.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-33-27.xad

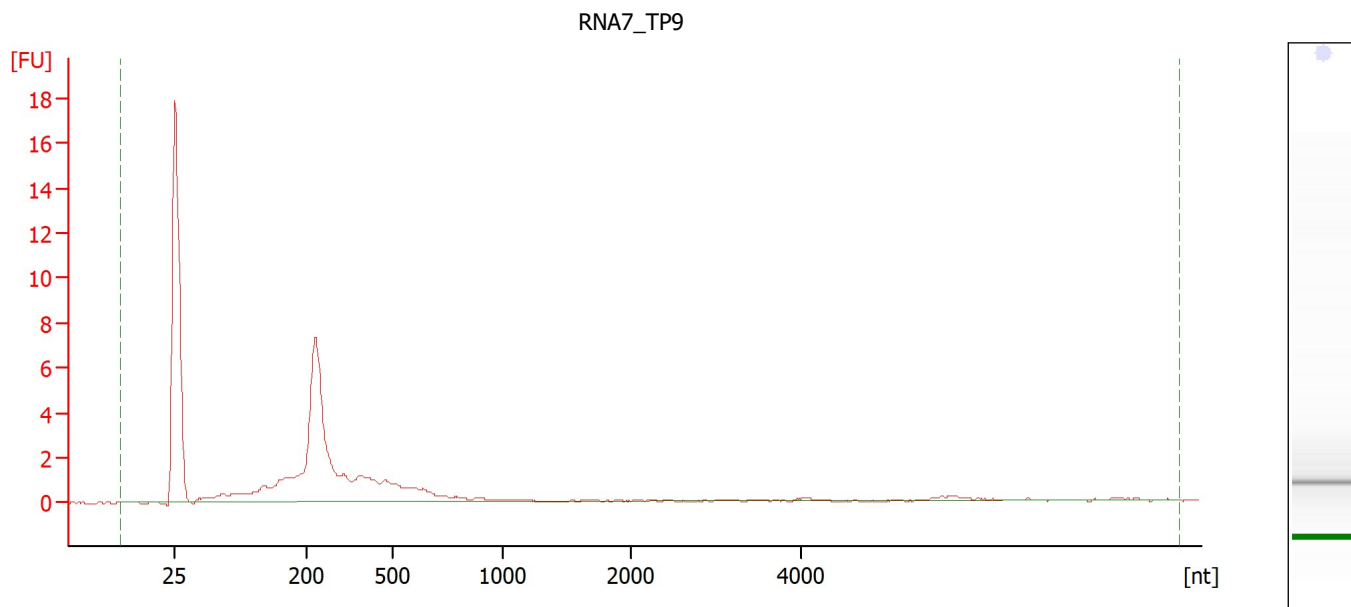
Created: 10/12/2020 4:33:26 PM
Modified: 10/12/2020 5:09:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : RNA7_TP8**

RNA Area:	52.8	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	27 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-33-27.xad

Created: 10/12/2020 4:33:26 PM
Modified: 10/12/2020 5:09:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : RNA7_TP9**

RNA Area: 46.1

RNA Concentration: 23 ng/μl

rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

2.2 (B.02.10,
Anomaly Threshold(s)
manually adapted)

Result Flagging Color:

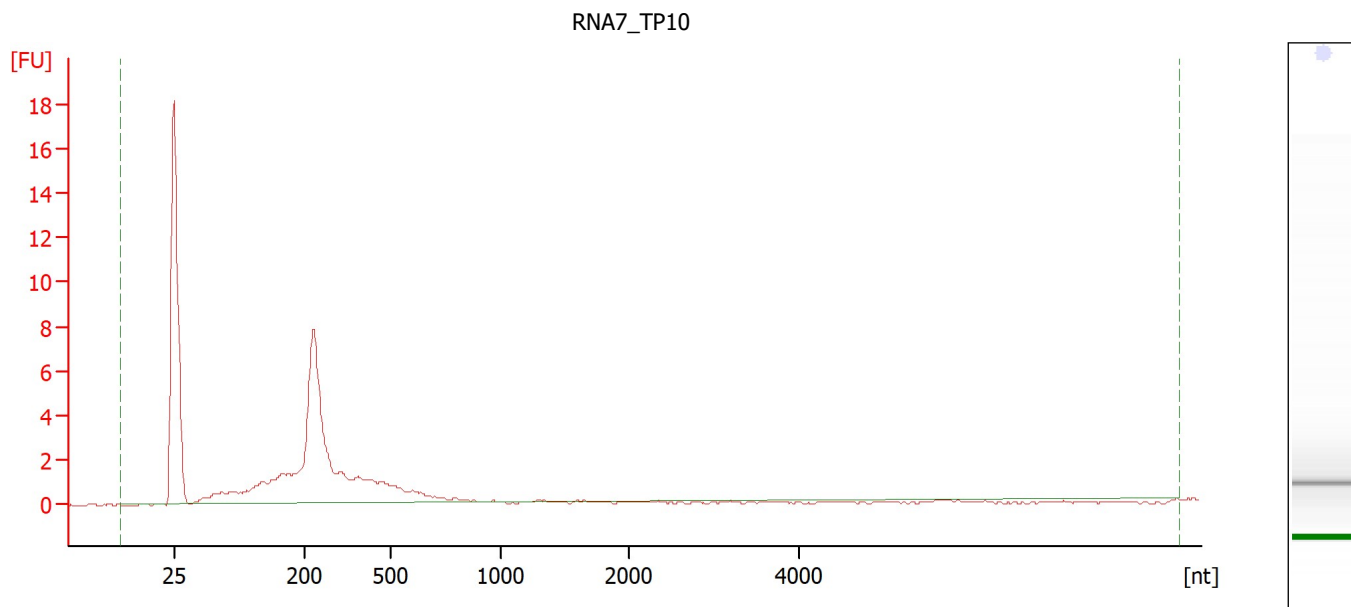


Result Flagging Label:

RIN: 2.20

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-33-27.xad

Created: 10/12/2020 4:33:26 PM
Modified: 10/12/2020 5:09:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : RNA7_TP10**

RNA Area: 50.2

RNA Concentration: 25 ng/μl

rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

2.3 (B.02.10,
Anomaly Threshold(s)
manually adapted)

Result Flagging Color:



Result Flagging Label:

RIN: 2.30

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-33-27.xad

Created: 10/12/2020 4:33:26 PM
Modified: 10/12/2020 5:09:10 PM

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