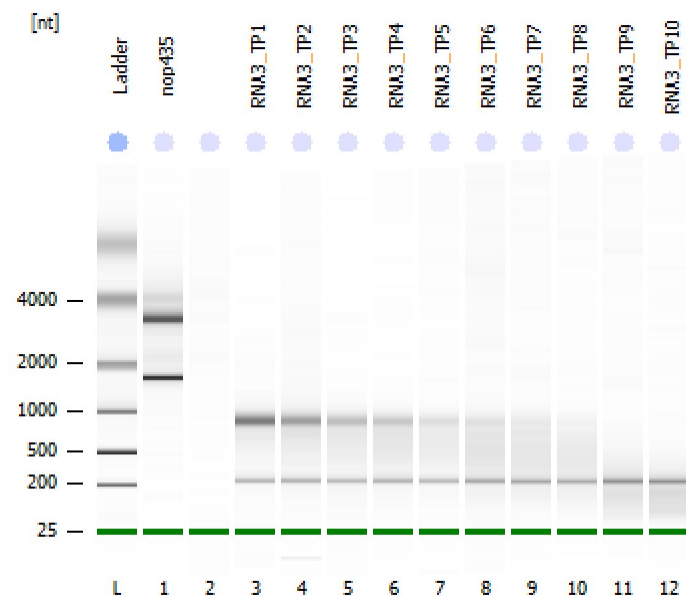


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-05-51.xad

Created: 10/12/2020 4:05:51 PM
Modified: 10/12/2020 4:40:15 PM

Electrophoresis File Run Summary



Instrument 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)

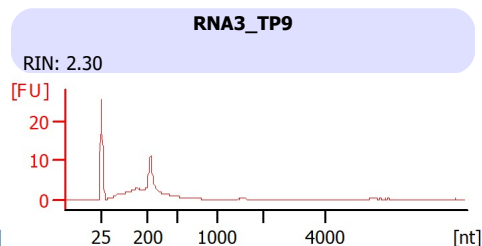
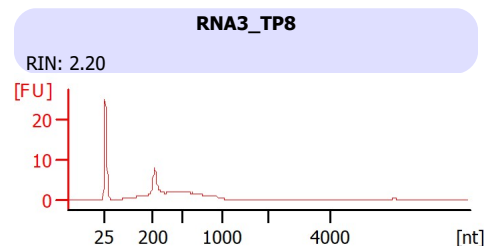
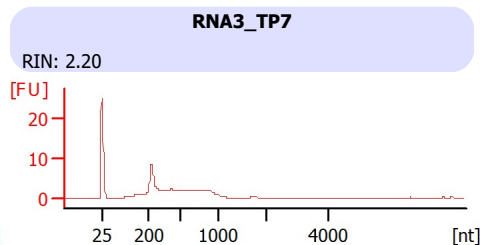
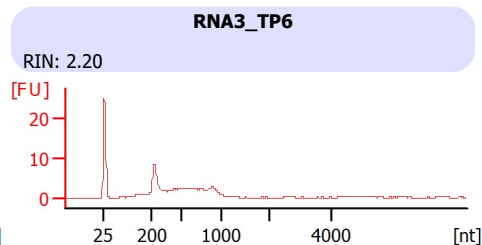
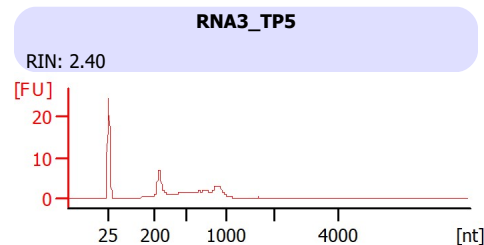
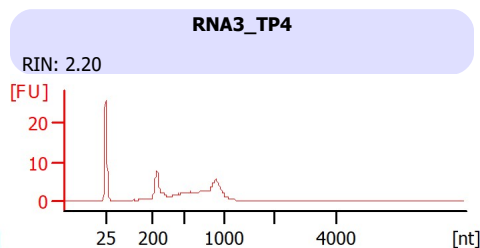
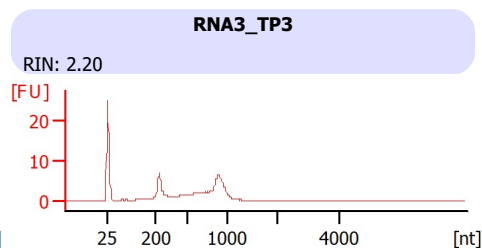
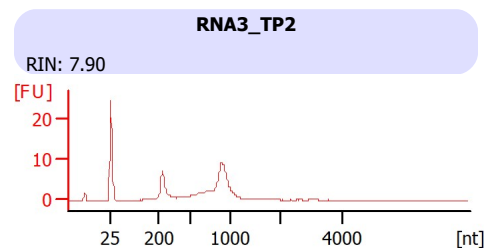
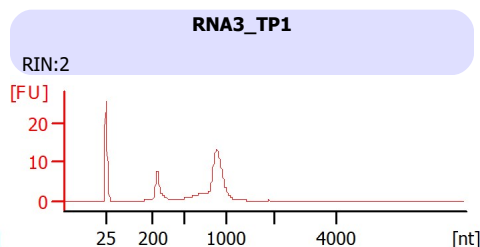
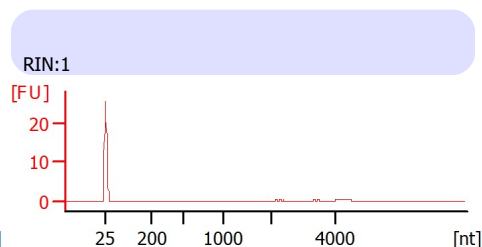
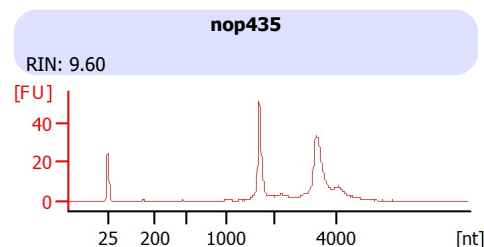
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Chip Information:

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_16-05-51.xad

Created: 10/12/2020 4:05:51 PM
Modified: 10/12/2020 4:40:15 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat	Result Label	Result Color
nop435		✓	RIN: 9.60	
		✓	RIN:1	
RNA3_TP1		✓	RIN:2	
RNA3_TP2		✓	RIN: 7.90	
RNA3_TP3		✓	RIN: 2.20	
RNA3_TP4		✓	RIN: 2.20	
RNA3_TP5		✓	RIN: 2.40	
RNA3_TP6		✓	RIN: 2.20	
RNA3_TP7		✓	RIN: 2.20	
RNA3_TP8		✓	RIN: 2.20	
RNA3_TP9		✓	RIN: 2.30	
RNA3_TP10		✓	RIN: 2.40	
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_16-05-51.xad

Created: 10/12/2020 4:05:51 PM
Modified: 10/12/2020 4:40:15 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/ μ l] : 150

Lower Marker Concentration [ng/ μ l] : 0

Upper Marker Concentration [ng/ μ 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

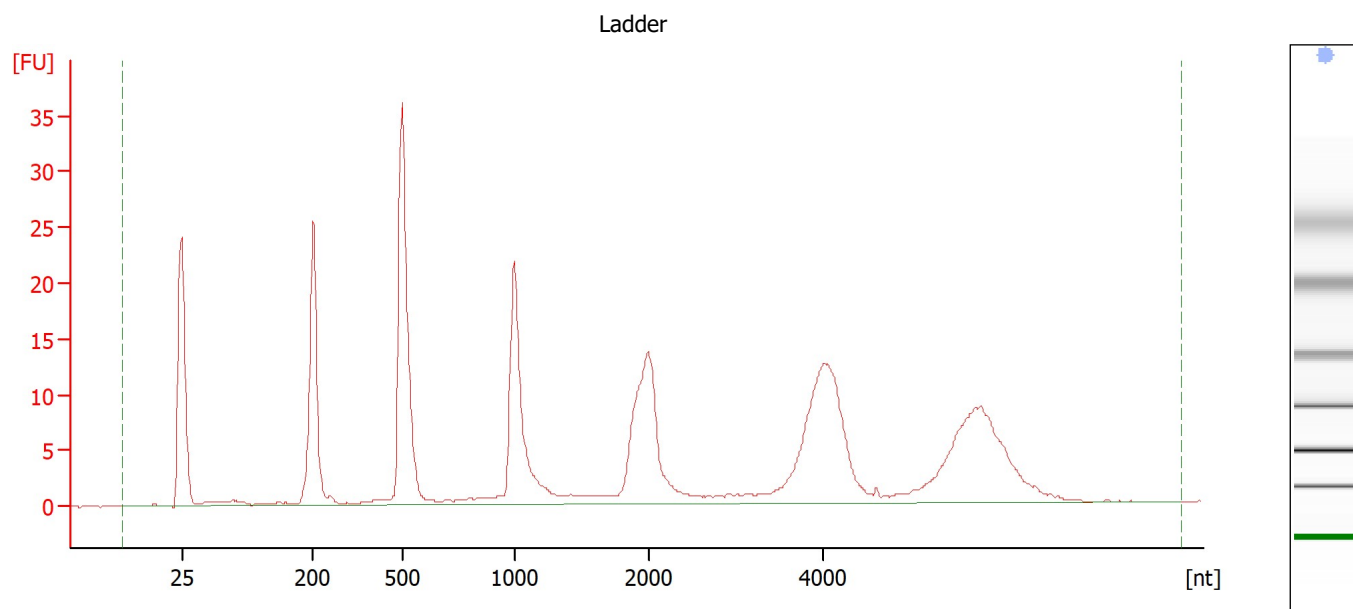
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-05-51.xad

Created: 10/12/2020 4:05:51 PM
Modified: 10/12/2020 4:40:15 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 284.8

Result Flagging Color:



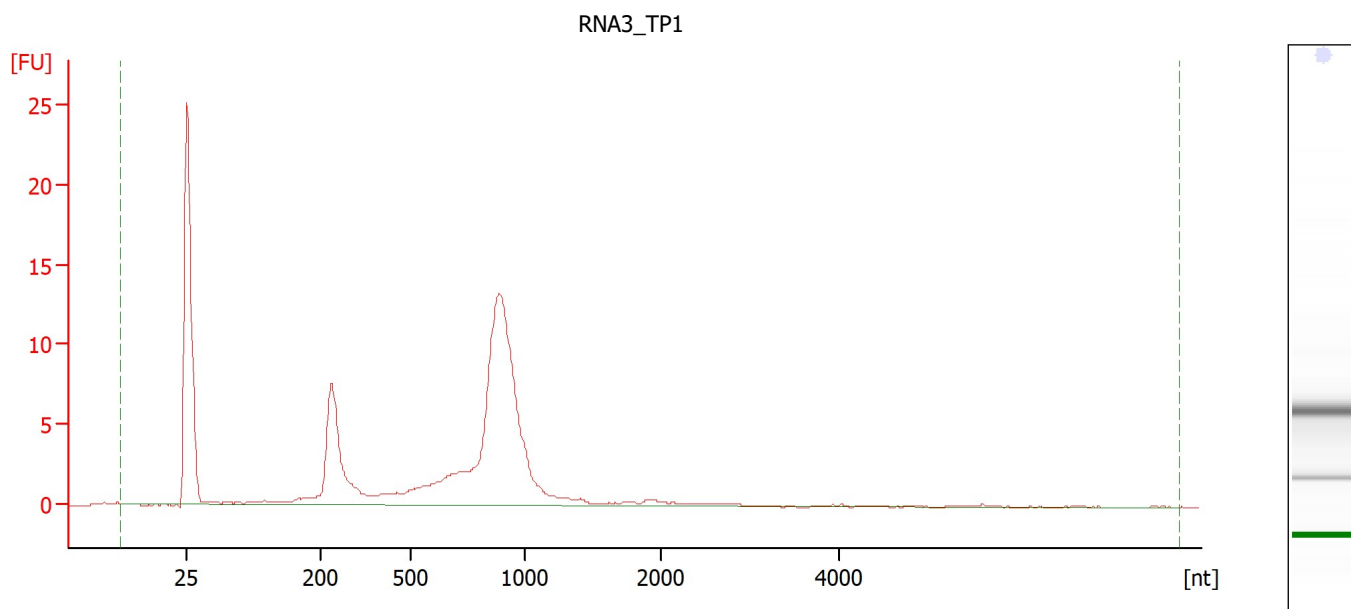
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-05-51.xad

Created: 10/12/2020 4:05:51 PM
Modified: 10/12/2020 4:40:15 PM

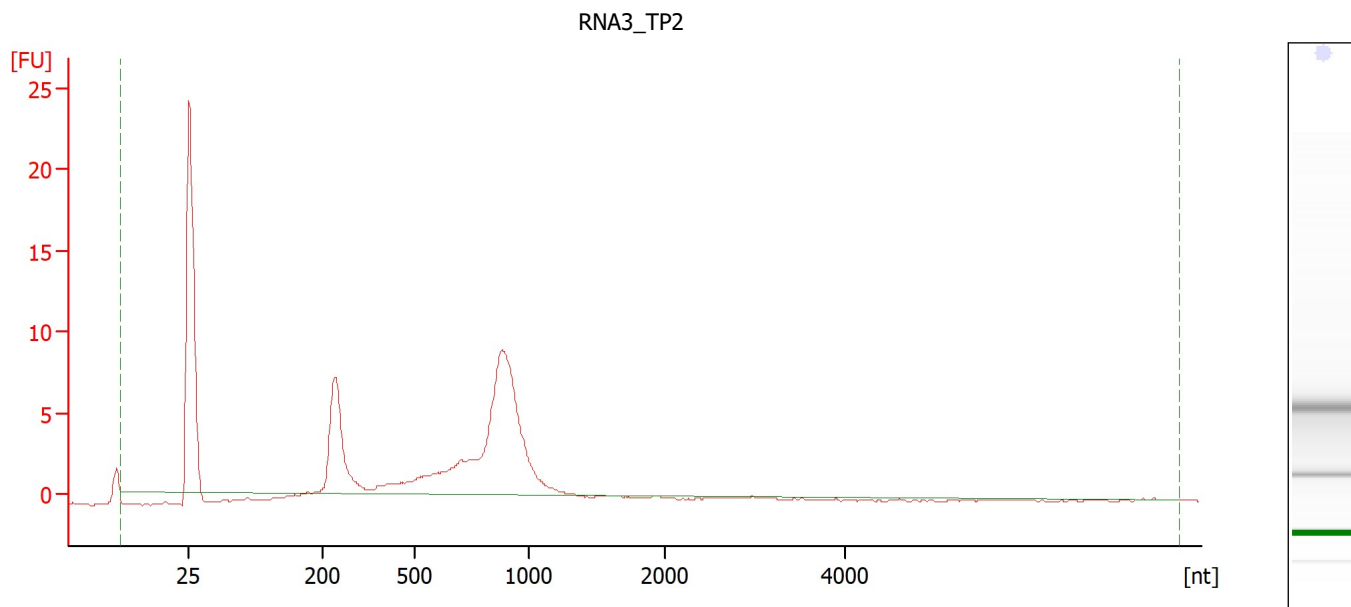
Electropherogram Summary Continued ...**Overall Results for sample 3 : RNA3_TP1**

RNA Area: 101.6
RNA Concentration: 53 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2 (B.02.10, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN:2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-05-51.xad

Created: 10/12/2020 4:05:51 PM
Modified: 10/12/2020 4:40:15 PM

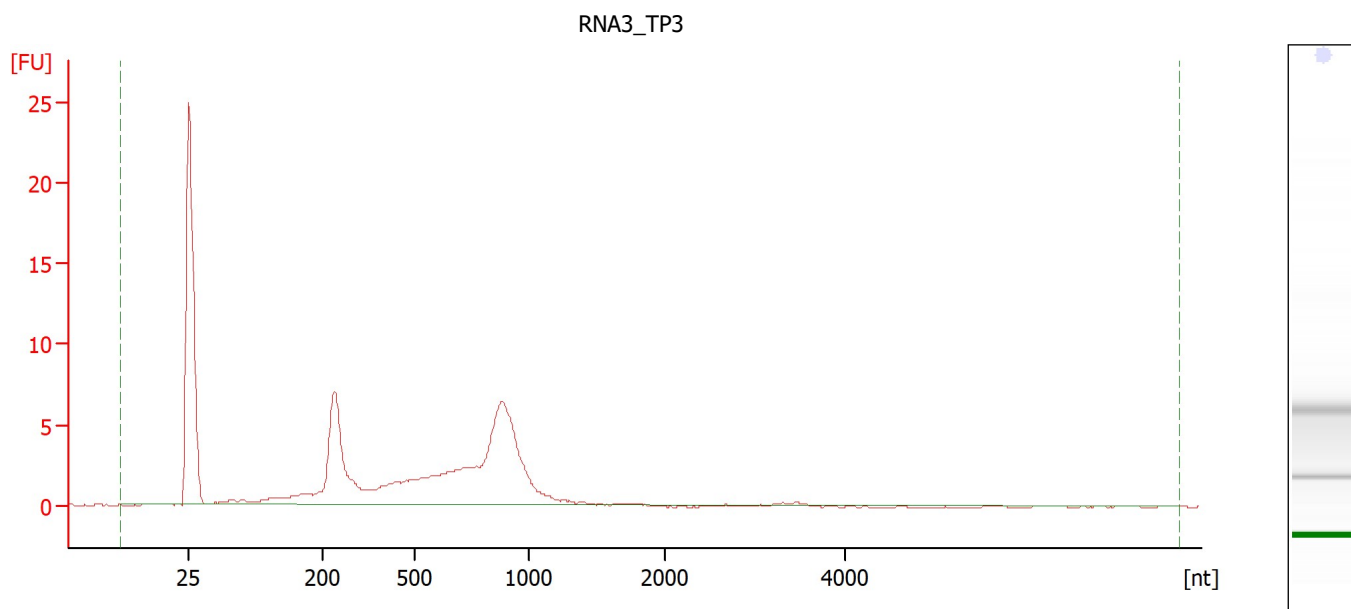
Electropherogram Summary Continued ...**Overall Results for sample 4 : RNA3_TP2**

RNA Area: 71.4
RNA Concentration: 38 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 7.9 (B.02.10,
Anomaly Threshold(s)
manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7.90

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-05-51.xad

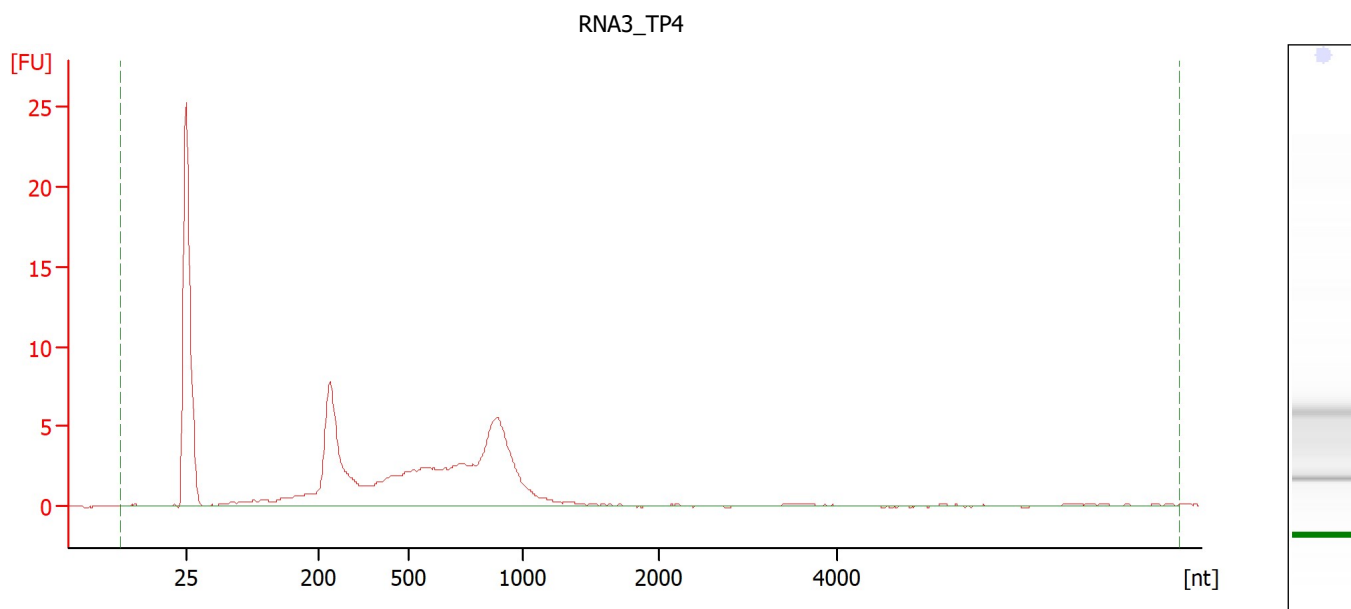
Created: 10/12/2020 4:05:51 PM
Modified: 10/12/2020 4:40:15 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : RNA3_TP3**

RNA Area:	84.2	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	44 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_16-05-51.xad

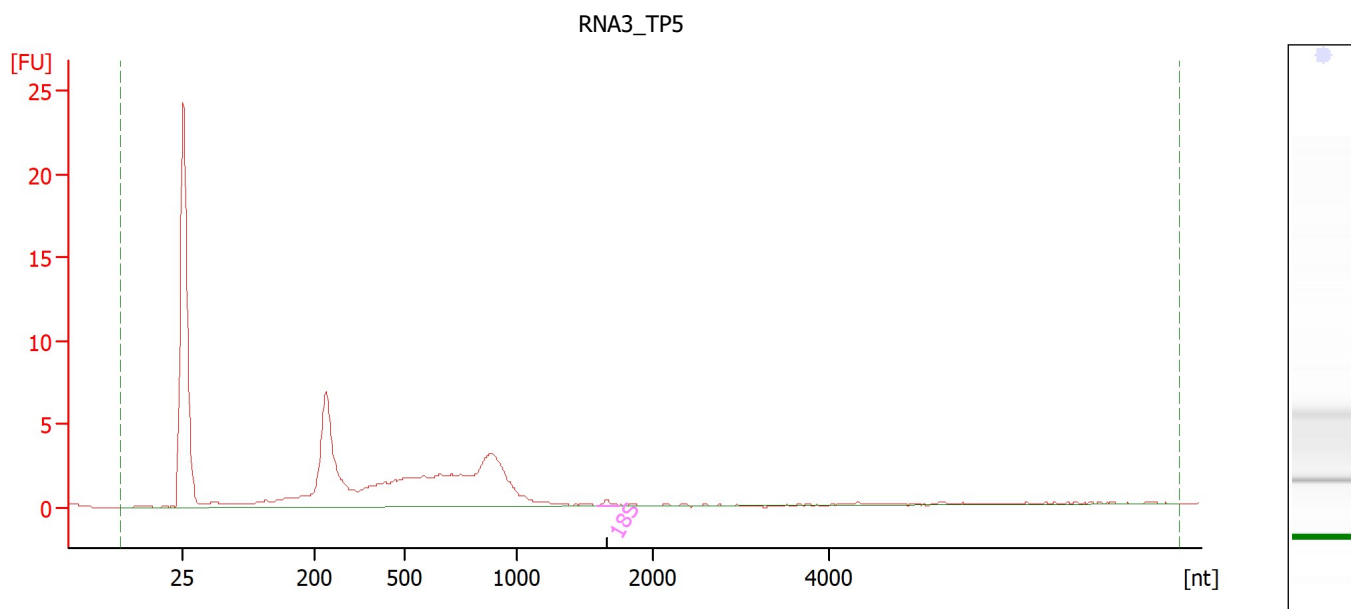
Created: 10/12/2020 4:05:51 PM
Modified: 10/12/2020 4:40:15 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : RNA3_TP4**

RNA Area:	90.6	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	48 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_16-05-51.xad

Created: 10/12/2020 4:05:51 PM
Modified: 10/12/2020 4:40:15 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : RNA3_TP5**

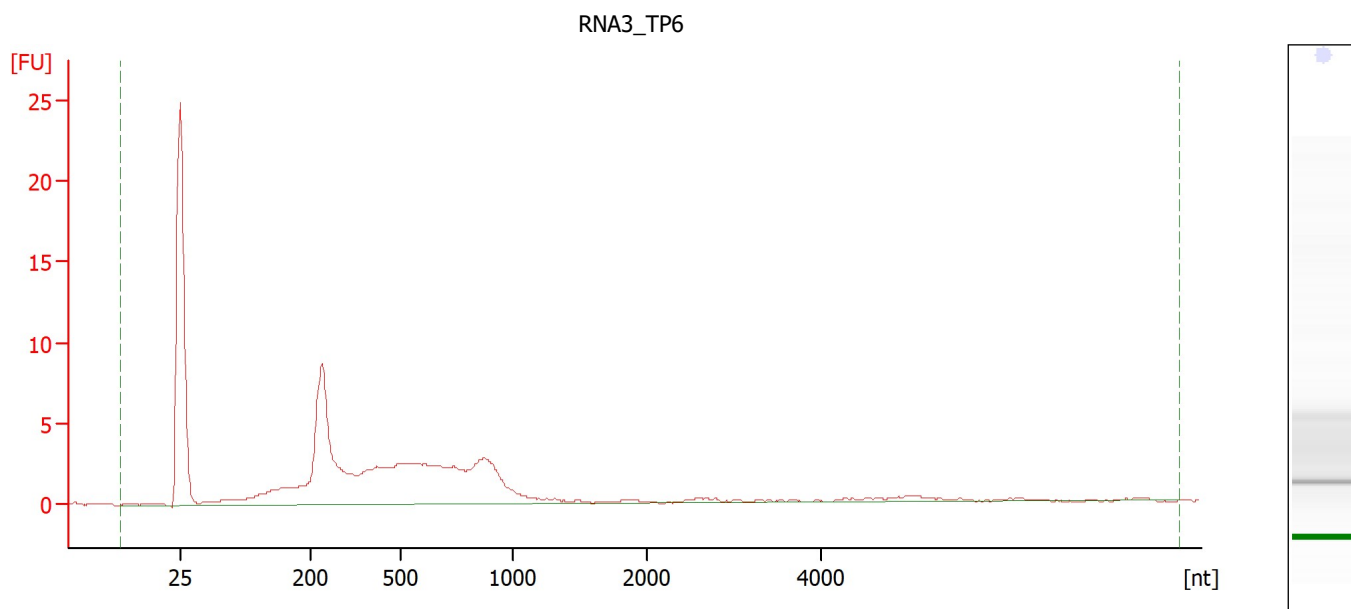
RNA Area:	71.5	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	38 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Fragment table for sample 7 : RNA3_TP5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,582	1,748	0.3	0.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-05-51.xad

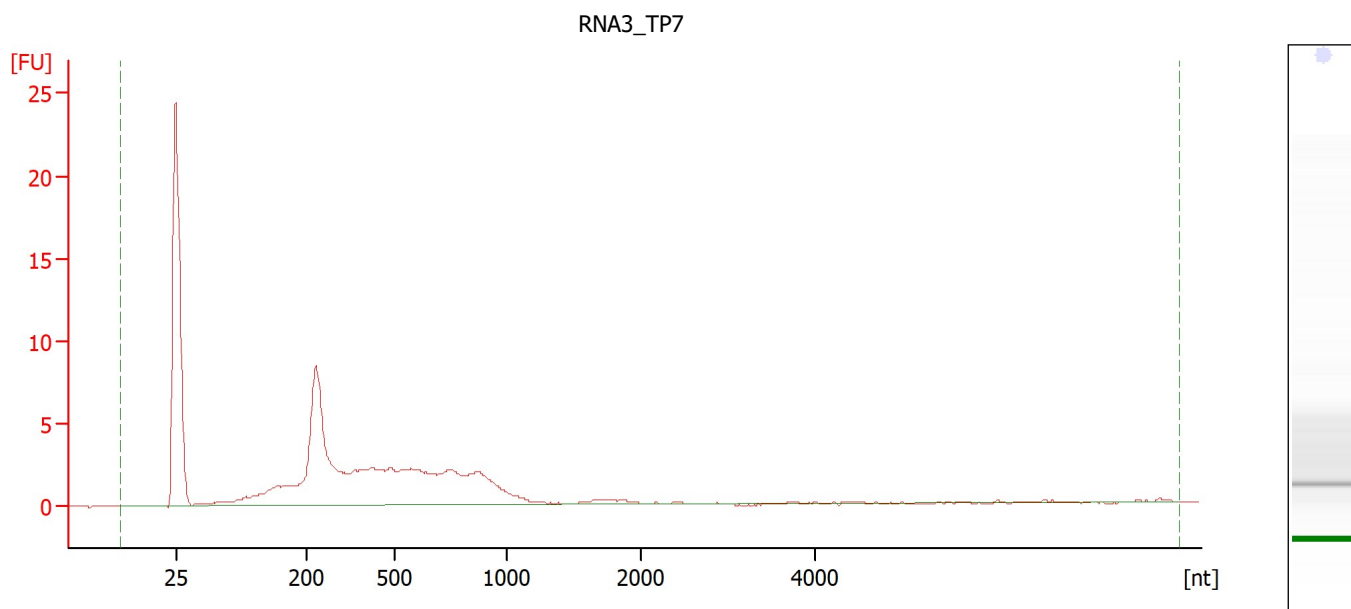
Created: 10/12/2020 4:05:51 PM
Modified: 10/12/2020 4:40:15 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : RNA3_TP6**

RNA Area:	93.6	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	49 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_16-05-51.xad

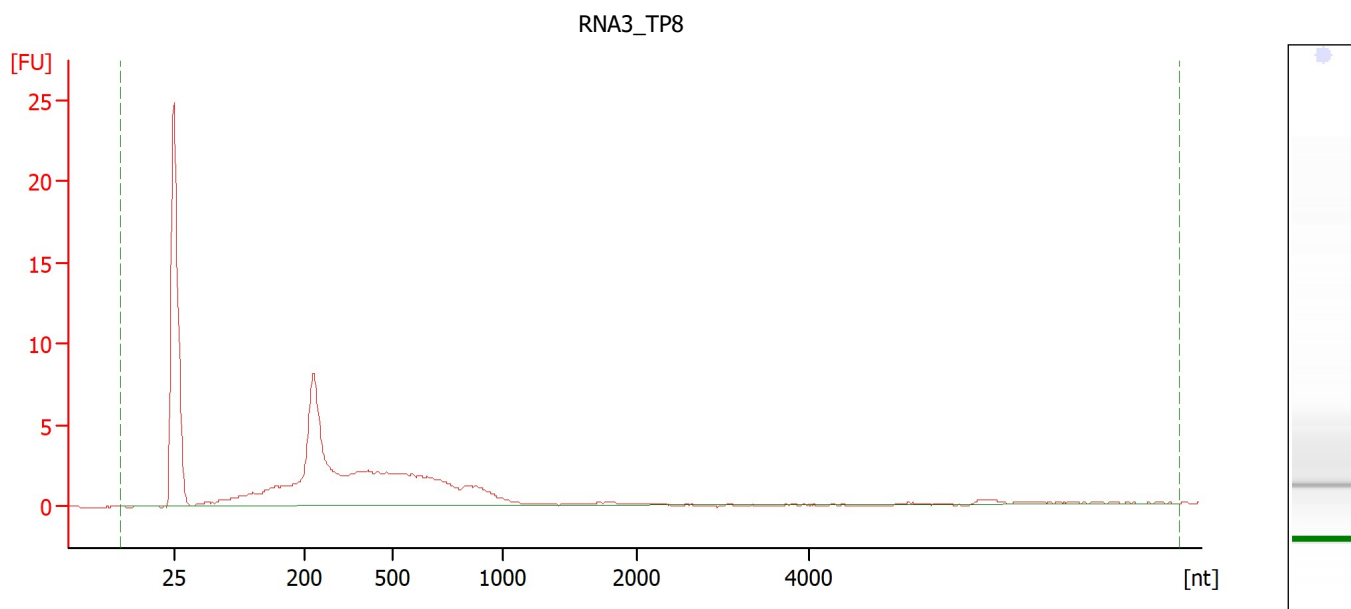
Created: 10/12/2020 4:05:51 PM
Modified: 10/12/2020 4:40:15 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : RNA3_TP7**

RNA Area:	81.7	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	43 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_16-05-51.xad

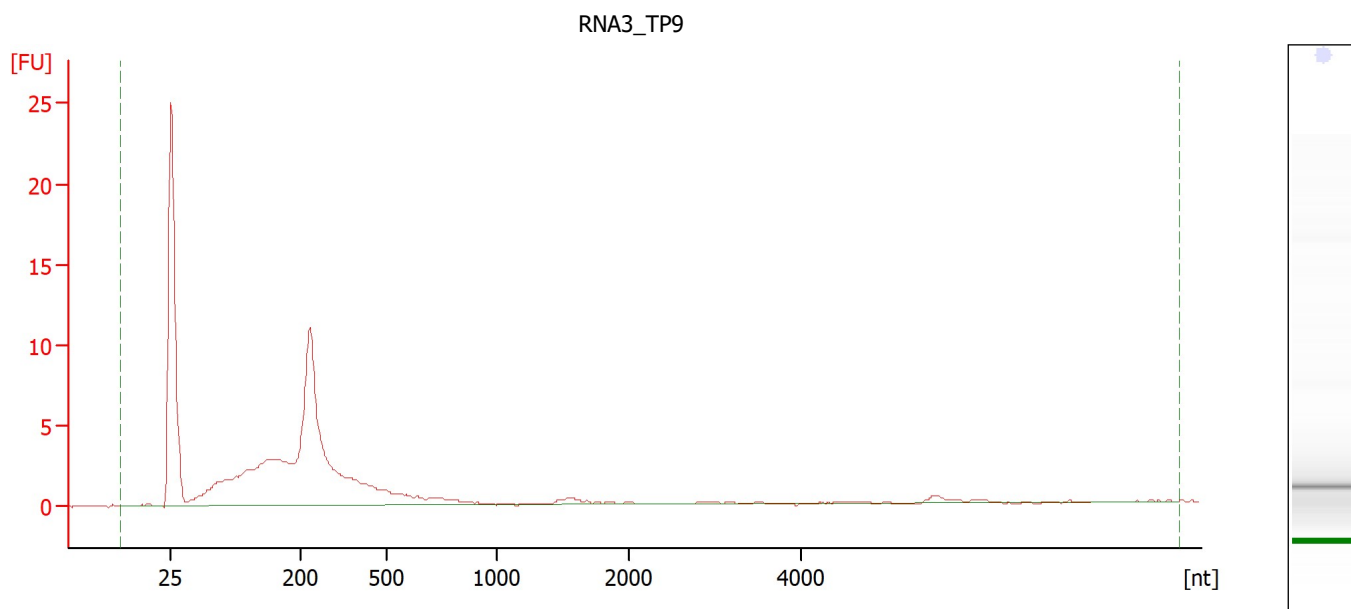
Created: 10/12/2020 4:05:51 PM
Modified: 10/12/2020 4:40:15 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : RNA3_TP8**

RNA Area:	77.2	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	41 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_16-05-51.xad

Created: 10/12/2020 4:05:51 PM
Modified: 10/12/2020 4:40:15 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : RNA3_TP9**

RNA Area: 90.8

RNA Concentration: 48 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:

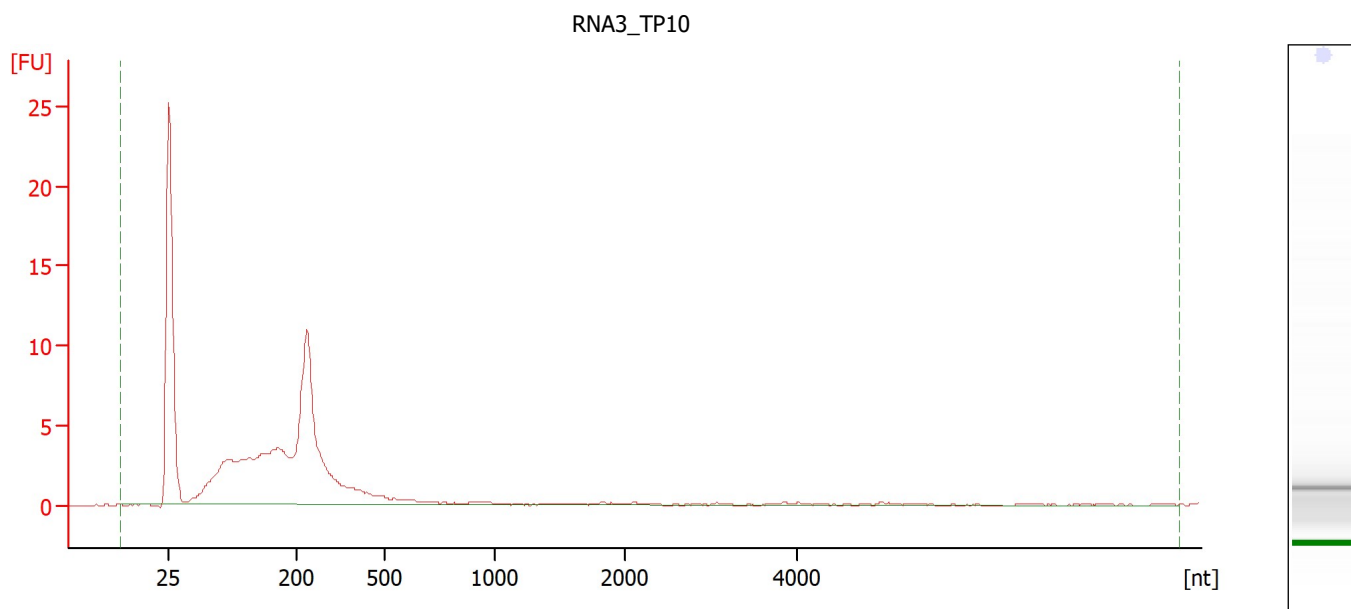


Result Flagging Label:

RIN: 2.30

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-05-51.xad

Created: 10/12/2020 4:05:51 PM
Modified: 10/12/2020 4:40:15 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : RNA3 TP10**

RNA Area: 92.4

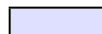
RNA Concentration: 49 ng/μl

rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

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

Result Flagging Color:



Result Flagging Label:

RIN: 2.40

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-05-51.xad

Created: 10/12/2020 4:05:51 PM
Modified: 10/12/2020 4:40:15 PM

Gel Image