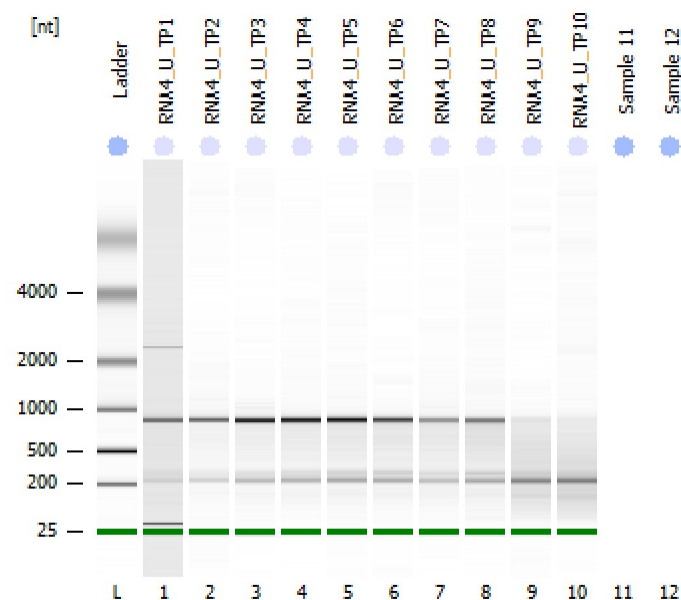


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-04-04.xad

Created: 10/22/2020 11:04:04 AM
Modified: 10/22/2020 11:29:25 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)

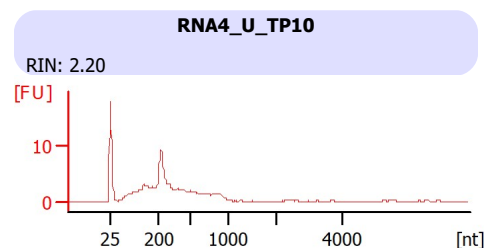
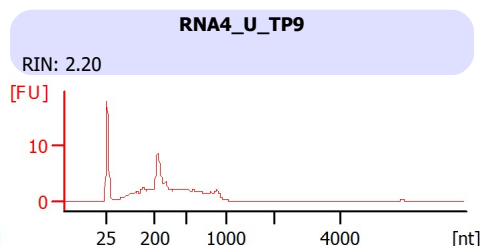
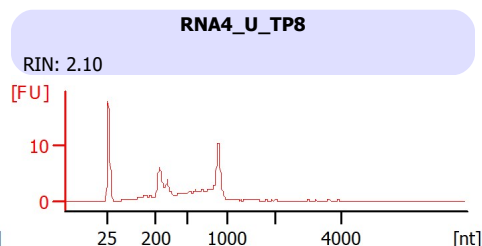
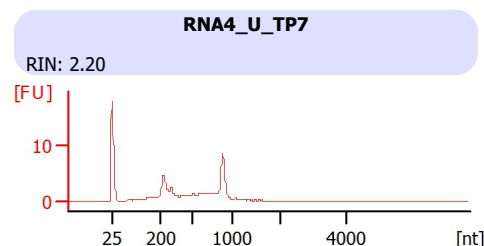
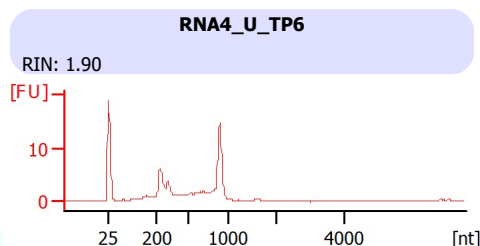
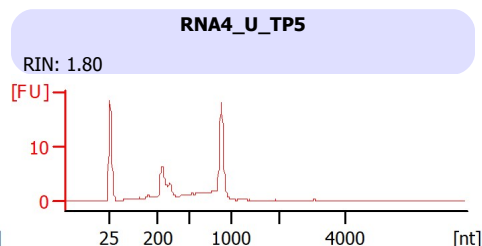
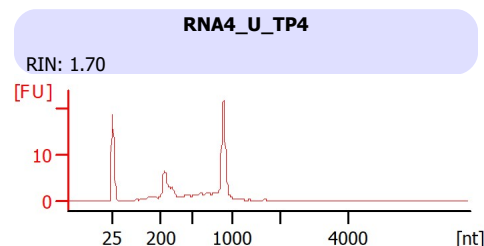
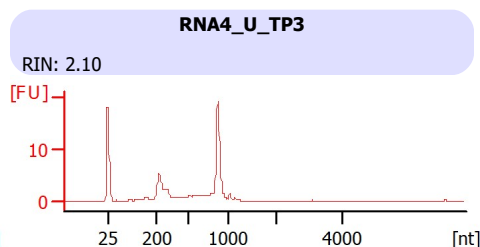
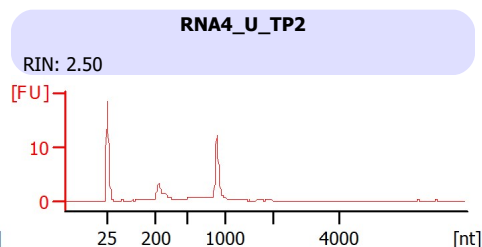
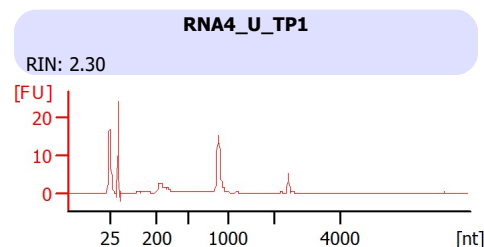
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-04-04.xad

Created: 10/22/2020 11:04:04 AM
Modified: 10/22/2020 11:29:25 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat	Result Label	Result Color
RNA4_U_TP1		✓	RIN: 2.30	
RNA4_U_TP2		✓	RIN: 2.50	
RNA4_U_TP3		✓	RIN: 2.10	
RNA4_U_TP4		✓	RIN: 1.70	
RNA4_U_TP5		✓	RIN: 1.80	
RNA4_U_TP6		✓	RIN: 1.90	
RNA4_U_TP7		✓	RIN: 2.20	
RNA4_U_TP8		✓	RIN: 2.10	
RNA4_U_TP9		✓	RIN: 2.20	
RNA4_U_TP10		✓	RIN: 2.20	
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-04-04.xad

Created: 10/22/2020 11:04:04 AM
Modified: 10/22/2020 11:29:25 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

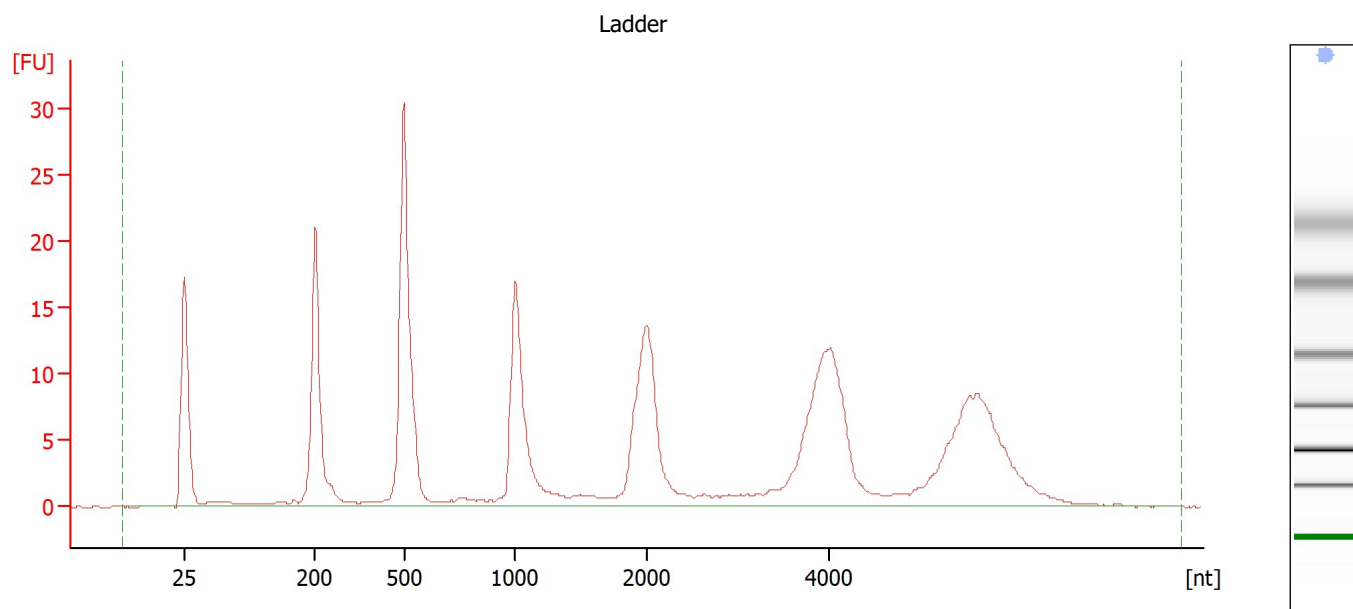
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-04-04.xad

Created: 10/22/2020 11:04:04 AM
Modified: 10/22/2020 11:29:25 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 271.6

Result Flagging Color:



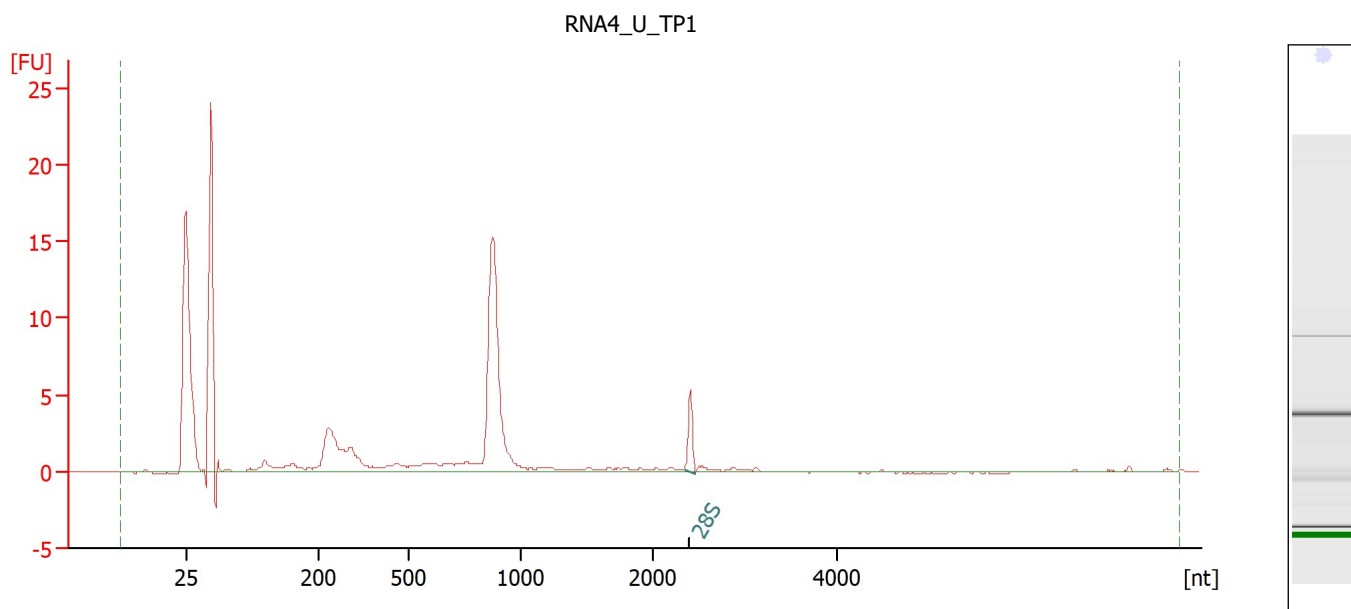
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-04-04.xad

Created: 10/22/2020 11:04:04 AM
Modified: 10/22/2020 11:29:25 AM

Electropherogram Summary Continued ...**Overall Results for sample 1 : RNA4_U_TP1**

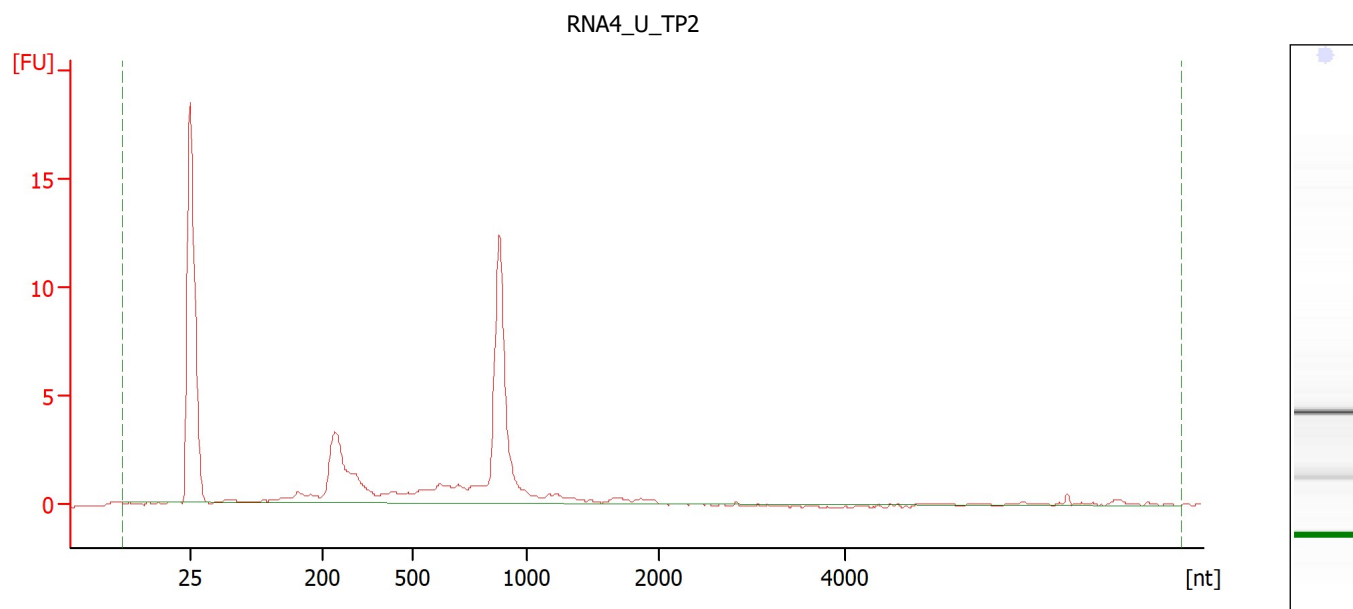
RNA Area:	73.4	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	41 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; border: 1px solid black; width: 30px; height: 15px;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Fragment table for sample 1 : RNA4_U_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,337	2,465	2.7	3.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-04-04.xad

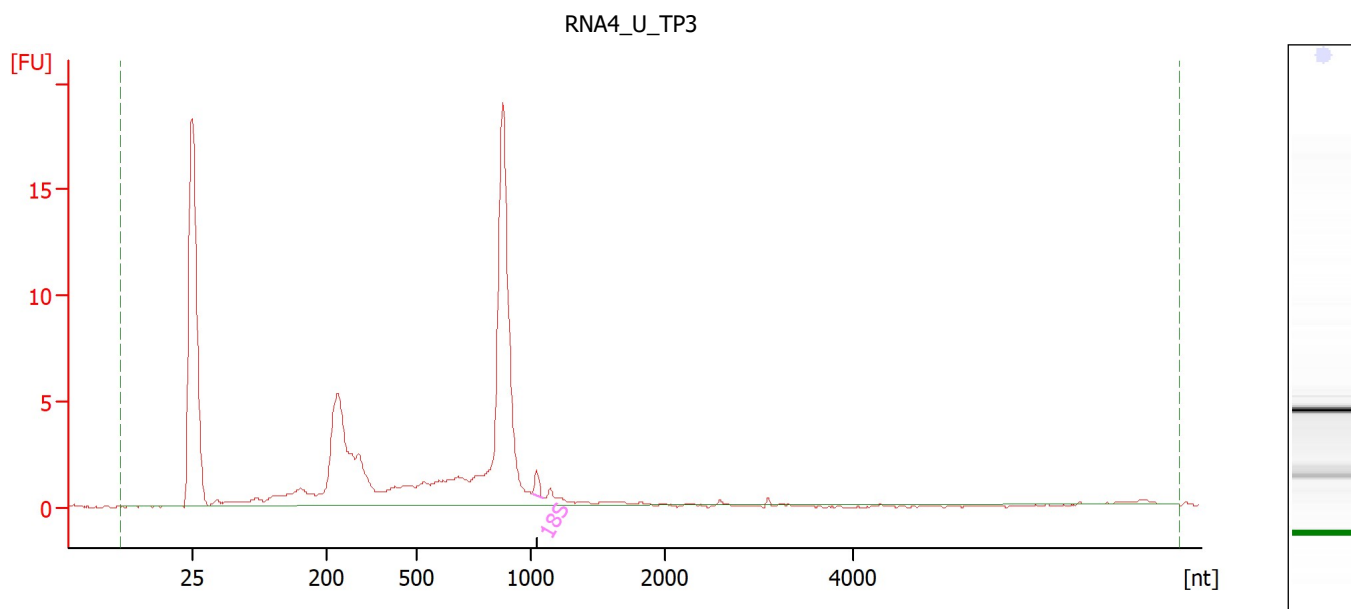
Created: 10/22/2020 11:04:04 AM
Modified: 10/22/2020 11:29:25 AM

Electropherogram Summary Continued ...**Overall Results for sample 2 : RNA4_U_TP2**

RNA Area:	49.7	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	27 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: 2.50

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-04-04.xad

Created: 10/22/2020 11:04:04 AM
Modified: 10/22/2020 11:29:25 AM

Electropherogram Summary Continued ...**Overall Results for sample 3 : RNA4_U_TP3**

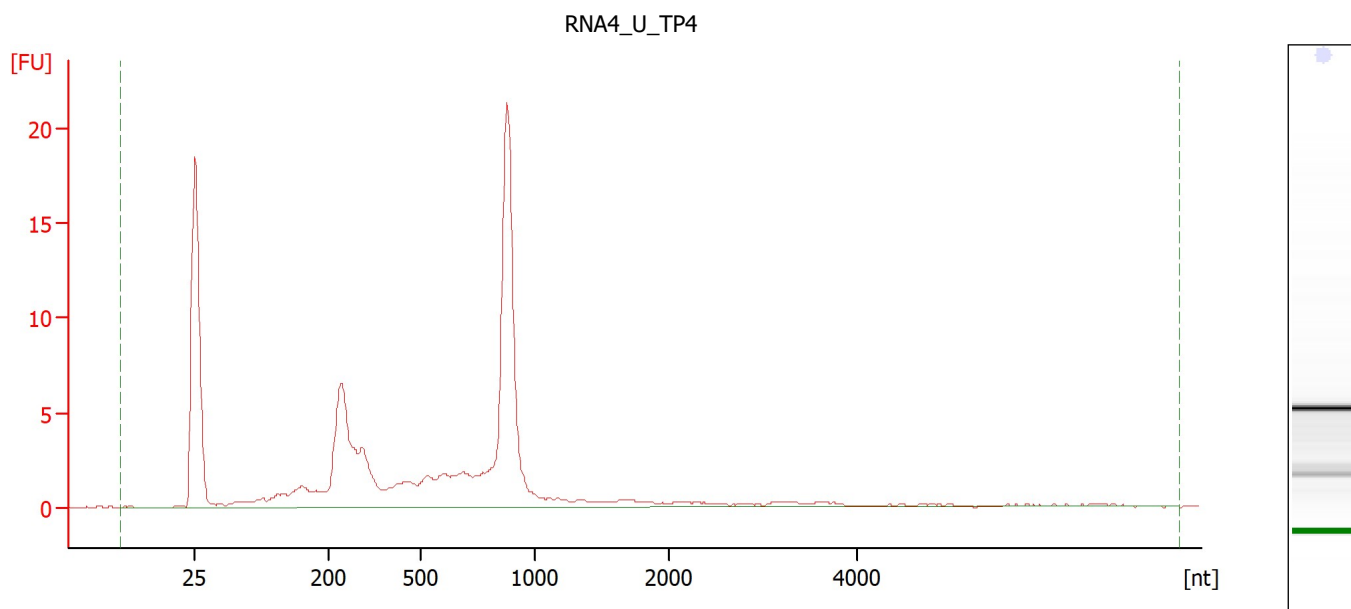
RNA Area:	81.5	RNA Integrity Number (RIN):	2.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	45 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 2.10

Fragment table for sample 3 : RNA4_U_TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,008	1,080	0.7	0.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-04-04.xad

Created: 10/22/2020 11:04:04 AM
Modified: 10/22/2020 11:29:25 AM

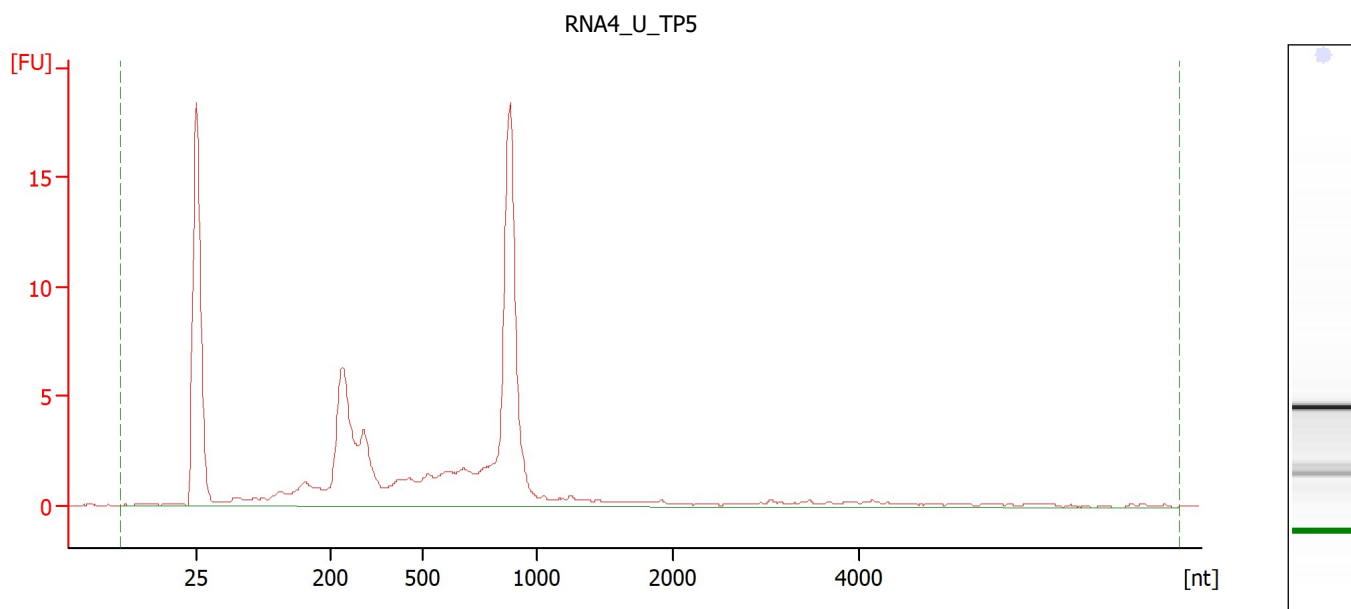
Electropherogram Summary Continued ...**Overall Results for sample 4 : RNA4_U_TP4**


RNA Area: 103.8
RNA Concentration: 57 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 1.7 (B.02.10,
Anomaly Threshold(s)
manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 1.70

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-04-04.xad

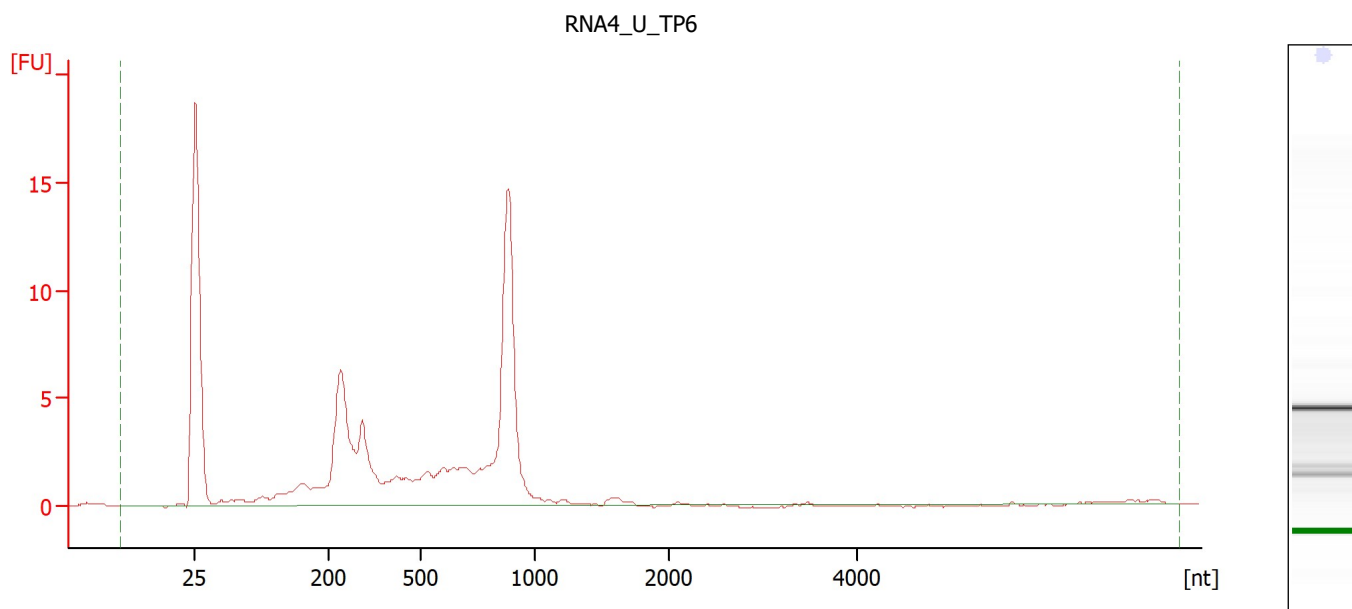
Created: 10/22/2020 11:04:04 AM
Modified: 10/22/2020 11:29:25 AM

Electropherogram Summary Continued ...**Overall Results for sample 5 : RNA4_U_TP5**

RNA Area:	99.1	RNA Integrity Number (RIN):	1.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	55 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 1.80

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-04-04.xad

Created: 10/22/2020 11:04:04 AM
Modified: 10/22/2020 11:29:25 AM

Electropherogram Summary Continued ...**Overall Results for sample 6 : RNA4_U_TP6**

RNA Area: 83.5
RNA Concentration: 46 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

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

Result Flagging Color:

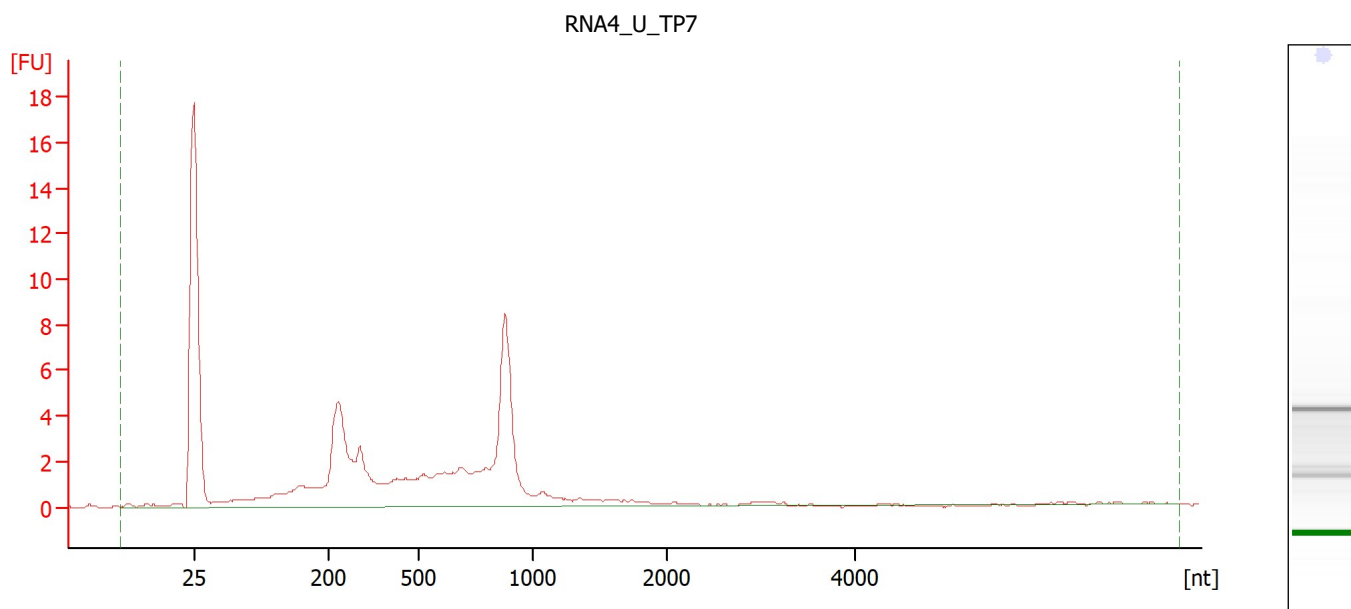


Result Flagging Label:

RIN: 1.90

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-04-04.xad

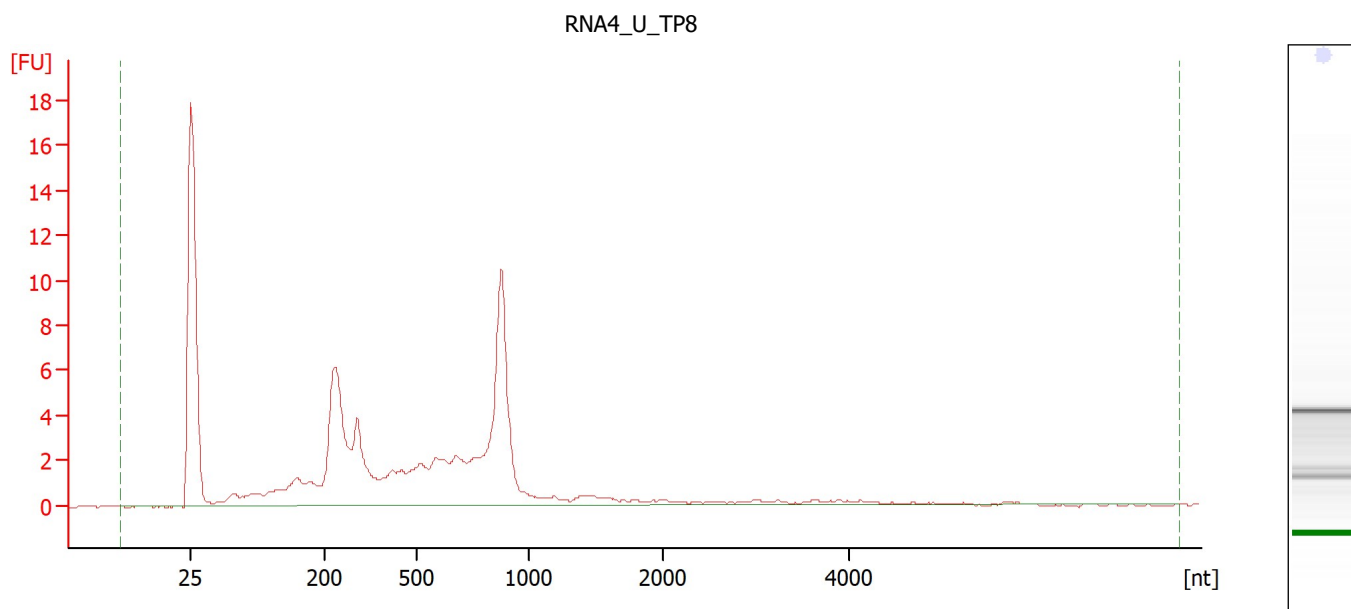
Created: 10/22/2020 11:04:04 AM
Modified: 10/22/2020 11:29:25 AM

Electropherogram Summary Continued ...**Overall Results for sample 7 : RNA4_U_TP7**

RNA Area:	71.3	RNA Integrity Number (RIN):	2.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	39 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-04-04.xad

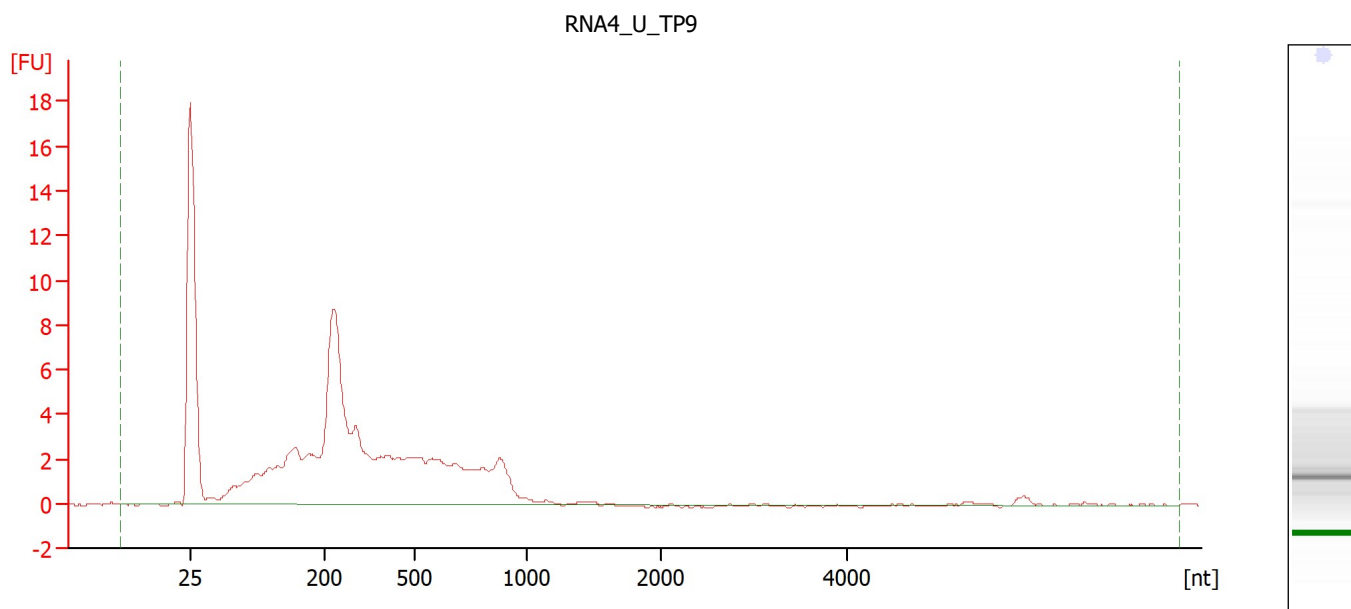
Created: 10/22/2020 11:04:04 AM
Modified: 10/22/2020 11:29:25 AM

Electropherogram Summary Continued ...**Overall Results for sample 8 : RNA4_U_TP8**

RNA Area:	93.3	RNA Integrity Number (RIN):	2.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	52 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-04-04.xad

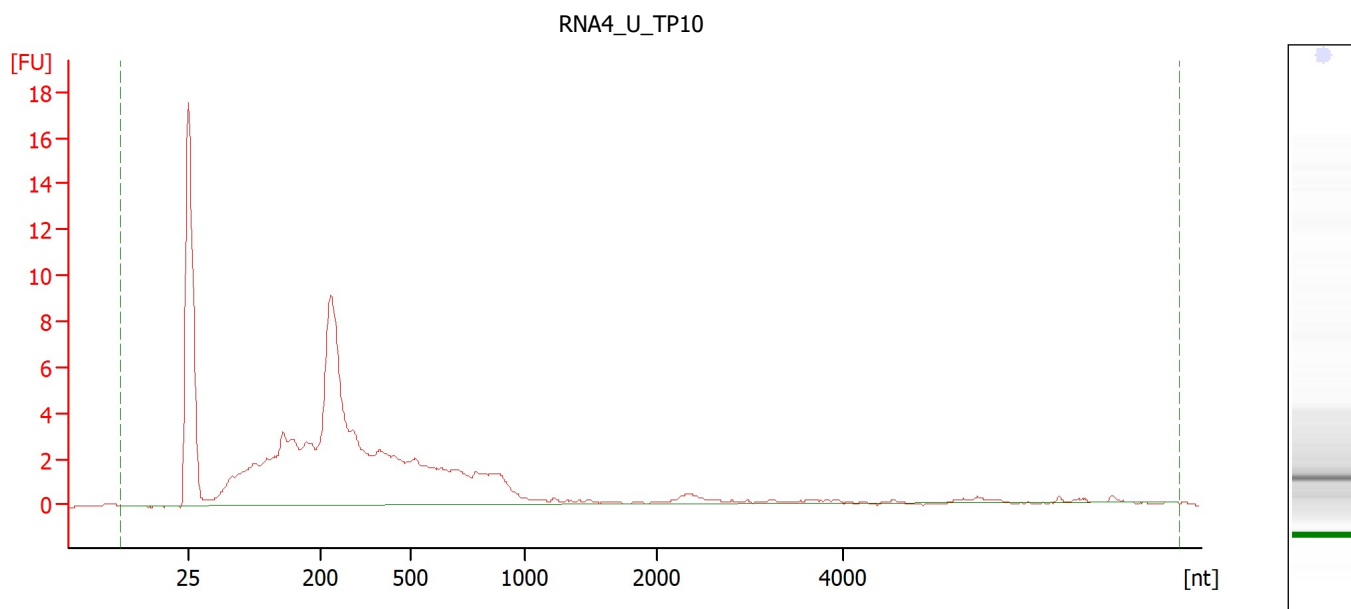
Created: 10/22/2020 11:04:04 AM
Modified: 10/22/2020 11:29:25 AM

Electropherogram Summary Continued ...**Overall Results for sample 9 : RNA4_U_TP9**

RNA Area:	98.9	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	55 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:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-04-04.xad

Created: 10/22/2020 11:04:04 AM
Modified: 10/22/2020 11:29:25 AM

Electropherogram Summary Continued ...**Overall Results for sample 10 : RNA4 U TP10**

RNA Area:	110.3	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	61 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:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-04-04.xad

Created: 10/22/2020 11:04:04 AM
Modified: 10/22/2020 11:29:25 AM

Gel Image