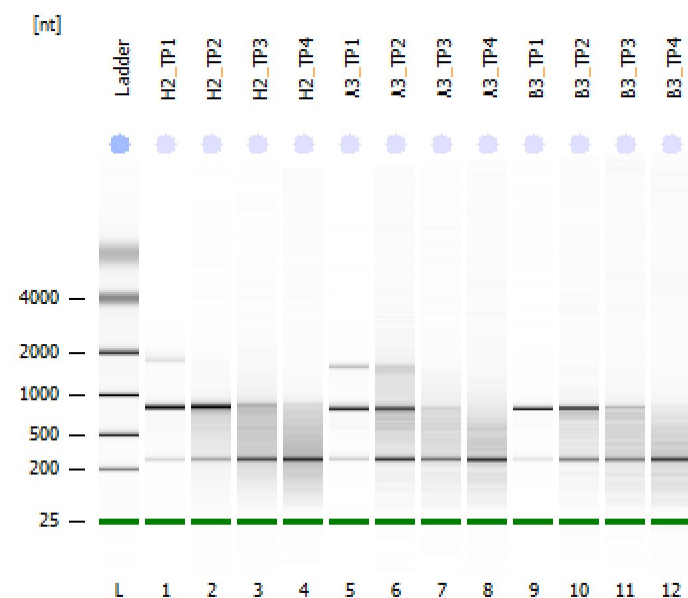


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-37-35.xad

Created: 11/24/2020 1:37:35 PM
Modified: 11/24/2020 2:07:22 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)

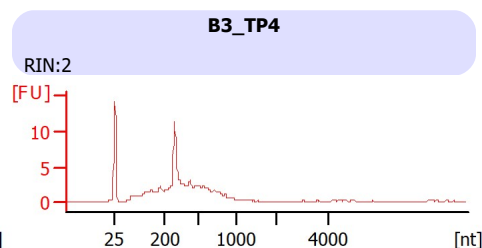
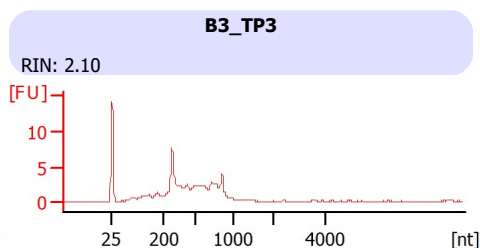
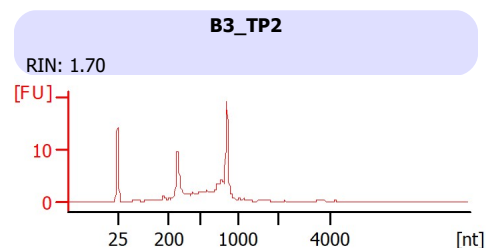
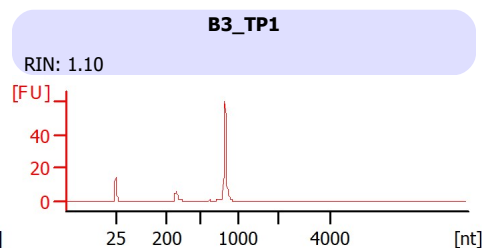
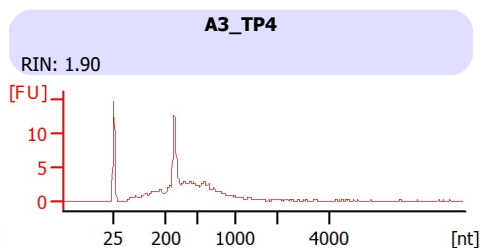
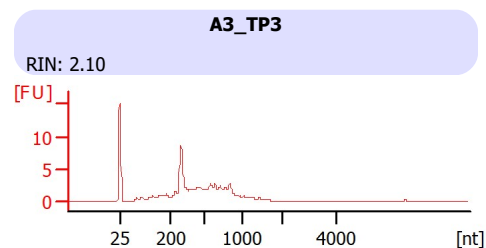
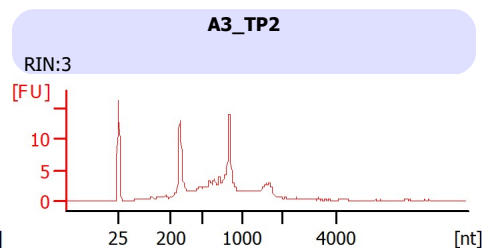
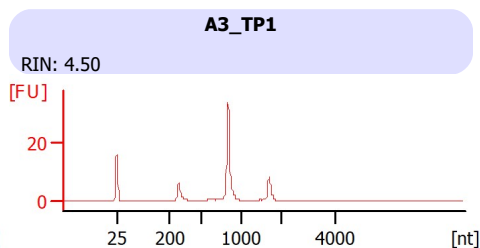
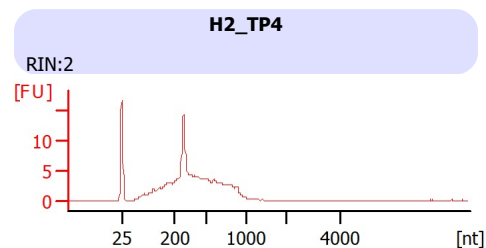
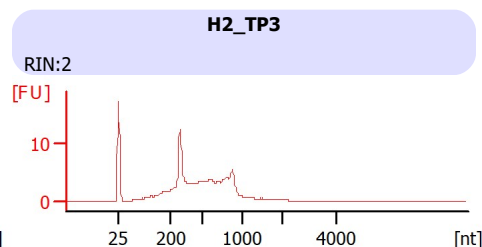
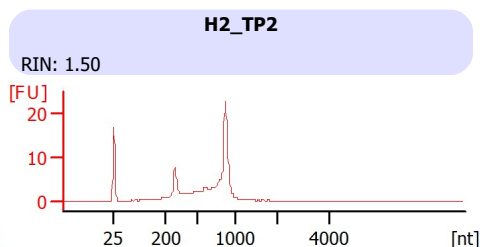
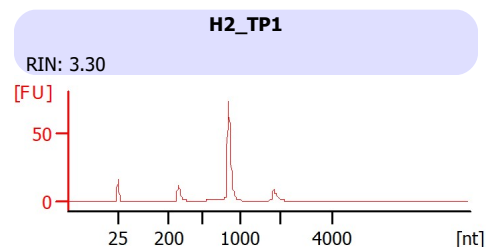
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-37-35.xad

Created: 11/24/2020 1:37:35 PM
Modified: 11/24/2020 2:07:22 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
H2_TP1		✓ RIN: 3.30	
H2_TP2		✓ RIN: 1.50	
H2_TP3		✓ RIN:2	
H2_TP4		✓ RIN:2	
A3_TP1		✓ RIN: 4.50	
A3_TP2		✓ RIN:3	
A3_TP3		✓ RIN: 2.10	
A3_TP4		✓ RIN: 1.90	
B3_TP1		✓ RIN: 1.10	
B3_TP2		✓ RIN: 1.70	
B3_TP3		✓ RIN: 2.10	
B3_TP4		✓ RIN:2	
Ladder		✓ All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-37-35.xad

Created: 11/24/2020 1:37:35 PM
Modified: 11/24/2020 2:07:22 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

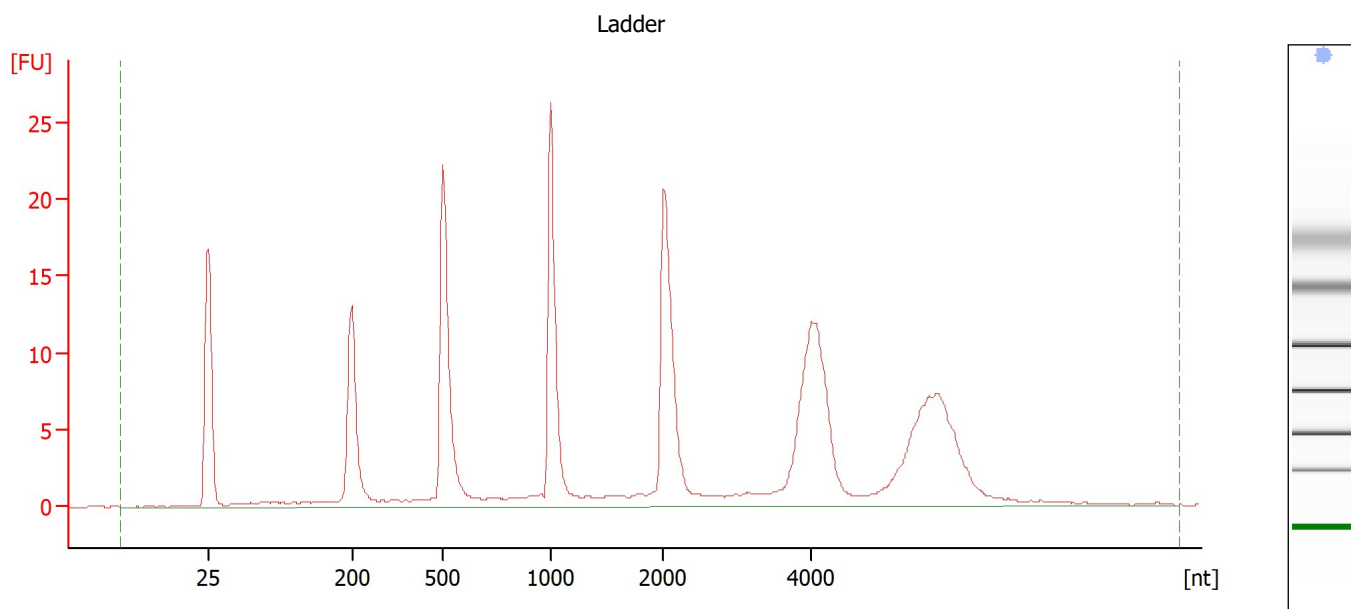
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-37-35.xad

Created: 11/24/2020 1:37:35 PM
Modified: 11/24/2020 2:07:22 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 204.5

Result Flagging Color:



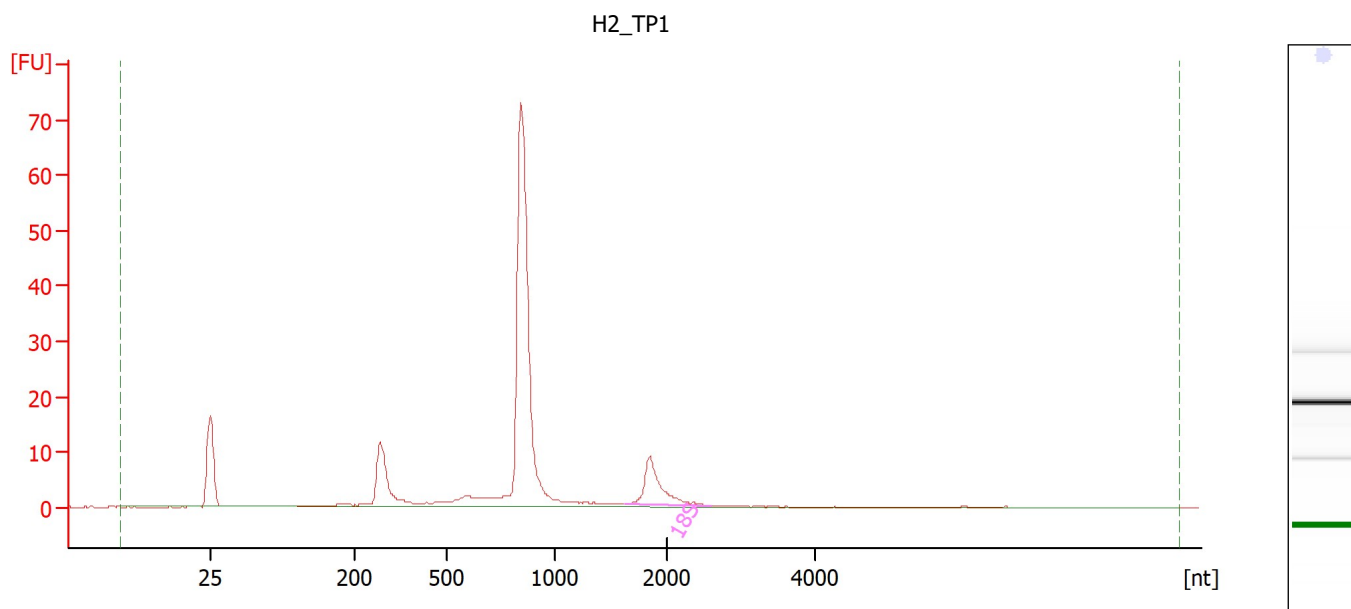
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-37-35.xad

Created: 11/24/2020 1:37:35 PM
Modified: 11/24/2020 2:07:22 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : H2_TP1**

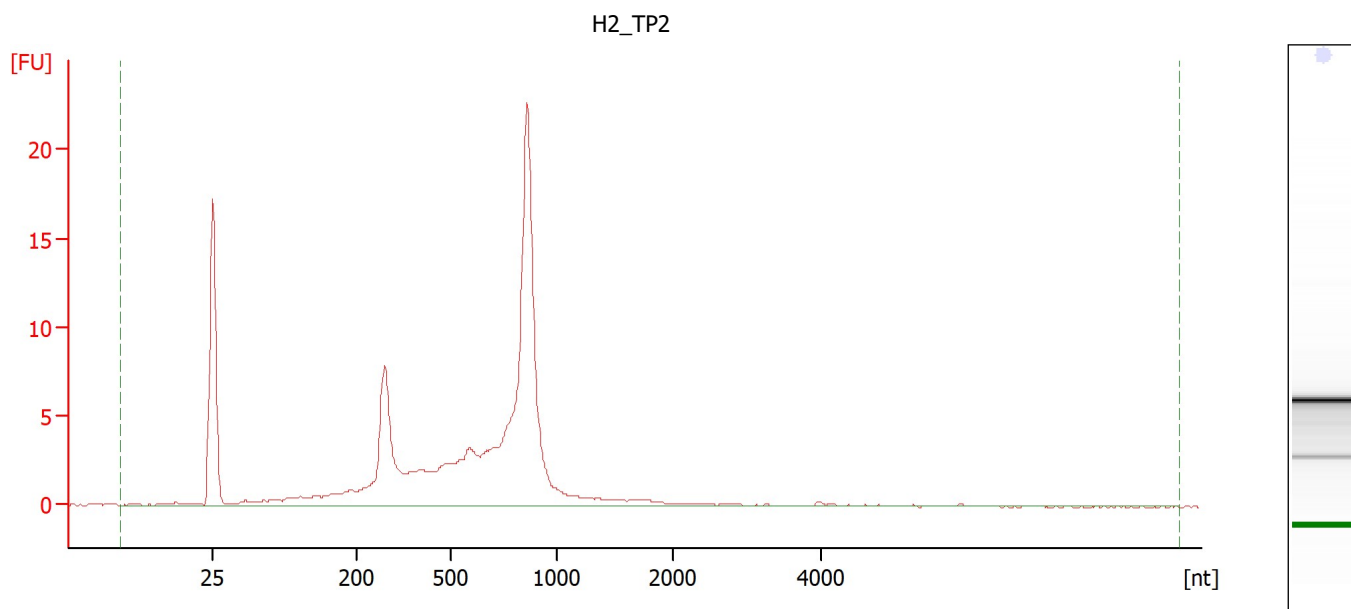
RNA Area:	184.0	RNA Integrity Number (RIN):	3.3 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	135 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 3.30

Fragment table for sample 1 : H2_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,616	2,580	16.2	8.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-37-35.xad

Created: 11/24/2020 1:37:35 PM
Modified: 11/24/2020 2:07:22 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : H2_TP2**

RNA Area: 117.5
RNA Concentration: 86 ng/μl
rRNA Ratio [28s / 18s]: 0.0

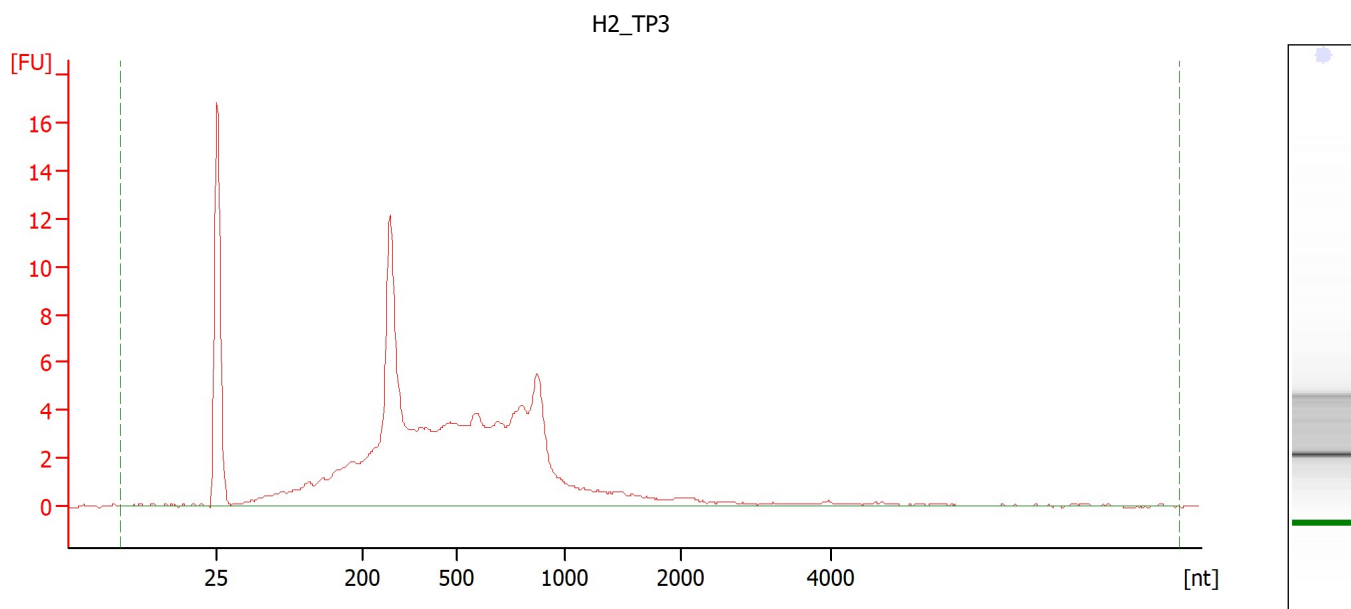
RNA Integrity Number (RIN): 1.5 (B.02.11,
Anomaly Threshold(s)
manually adapted)

Result Flagging Color:
Result Flagging Label:

RIN: 1.50

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-37-35.xad

Created: 11/24/2020 1:37:35 PM
Modified: 11/24/2020 2:07:22 PM

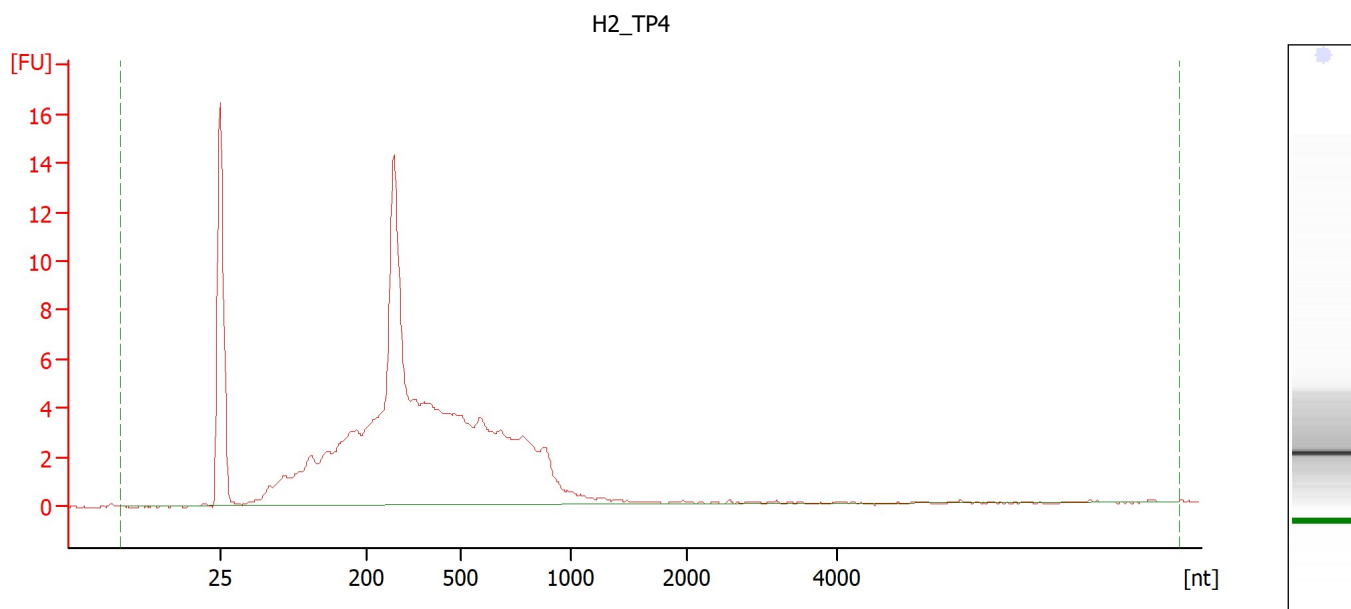
Electropherogram Summary Continued ...**Overall Results for sample 3 : H2_TP3**

RNA Area: 125.8
RNA Concentration: 92 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2 (B.02.11, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN:2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-37-35.xad

Created: 11/24/2020 1:37:35 PM
Modified: 11/24/2020 2:07:22 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : H2_TP4**

RNA Area: 135.8
RNA Concentration: 100 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2 (B.02.11, Anomaly
Threshold(s) manually
adapted)

Result Flagging Color:

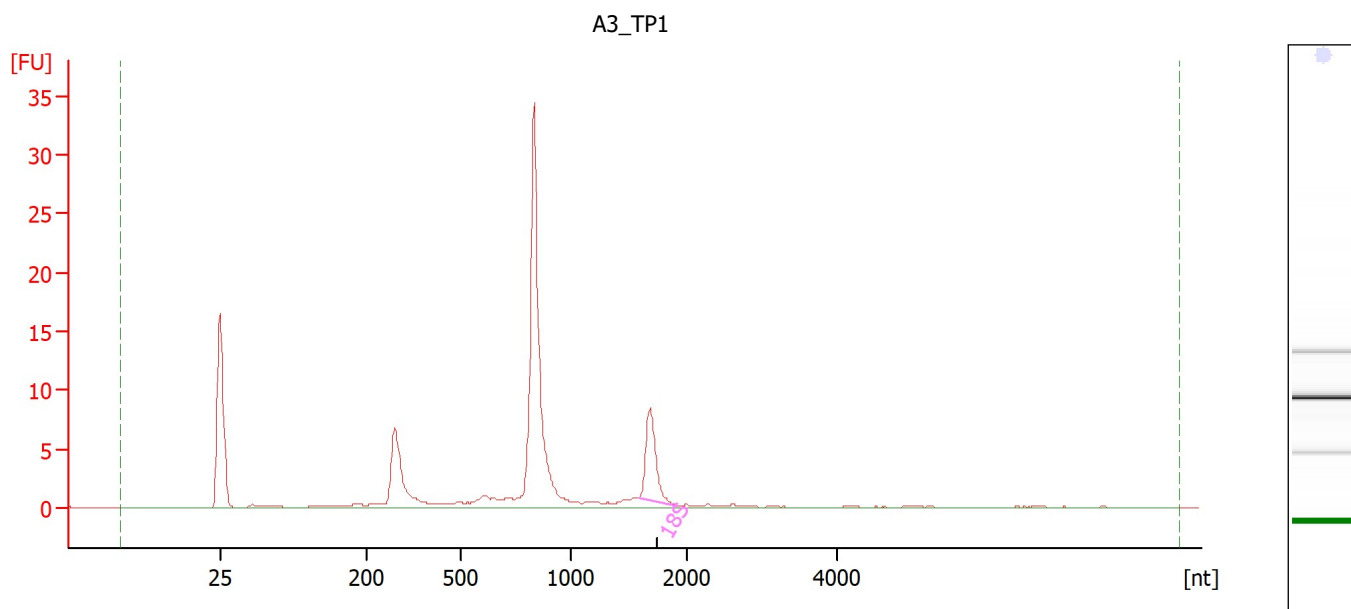


Result Flagging Label:

RIN:2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-37-35.xad

Created: 11/24/2020 1:37:35 PM
Modified: 11/24/2020 2:07:22 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : A3_TP1**

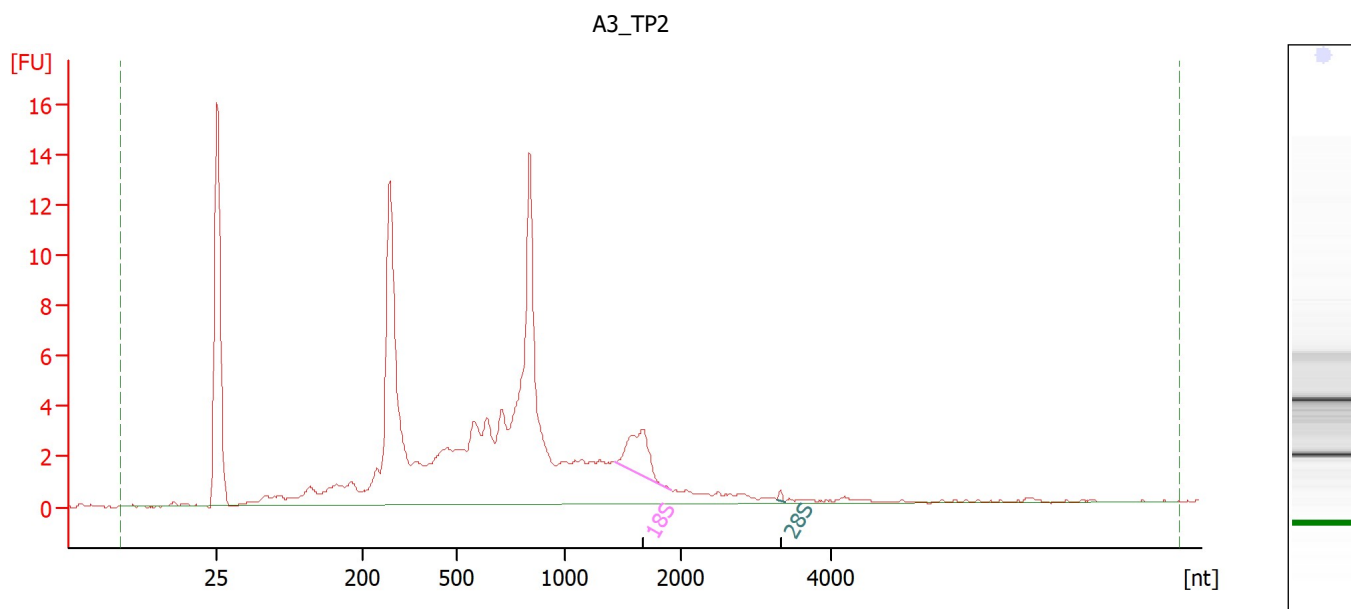
RNA Area:	86.8	RNA Integrity Number (RIN):	4.5 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	64 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 4.50

Fragment table for sample 5 : A3_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,585	1,926	9.2	10.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-37-35.xad

Created: 11/24/2020 1:37:35 PM
Modified: 11/24/2020 2:07:22 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : A3_TP2**

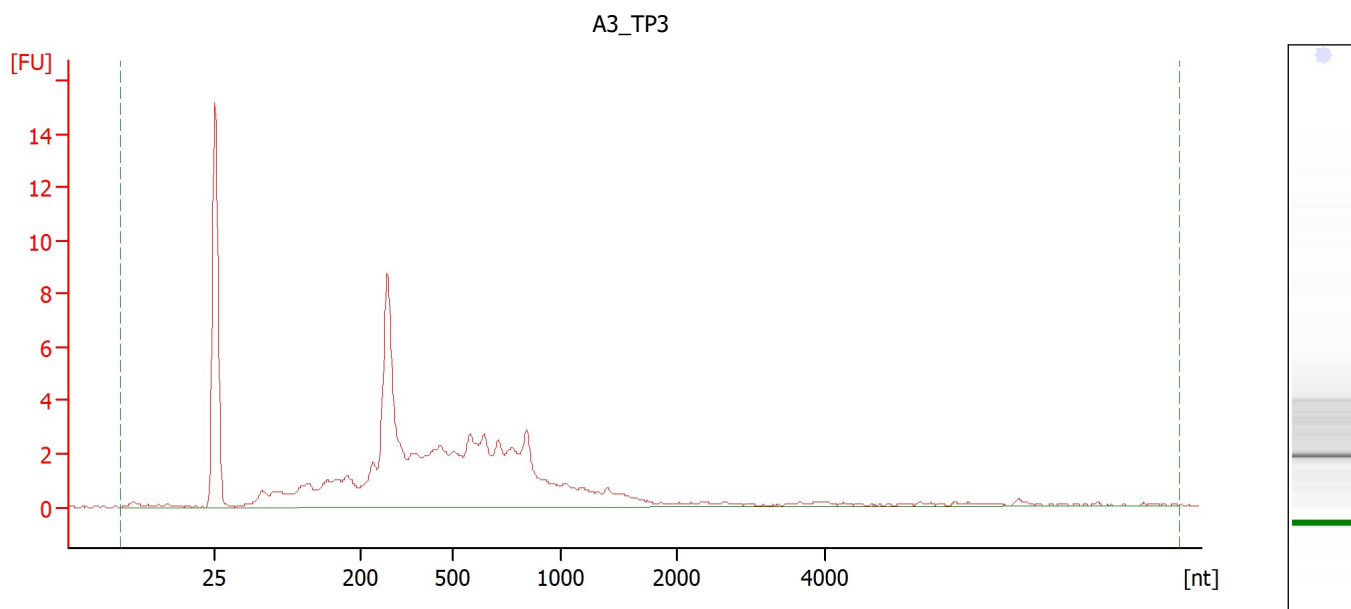
RNA Area:	119.9	RNA Integrity Number (RIN):	3 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	88 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 50px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN:3

Fragment table for sample 6 : A3_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,432	1,923	4.6	3.8
28S	3,279	3,393	0.2	0.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-37-35.xad

Created: 11/24/2020 1:37:35 PM
Modified: 11/24/2020 2:07:22 PM

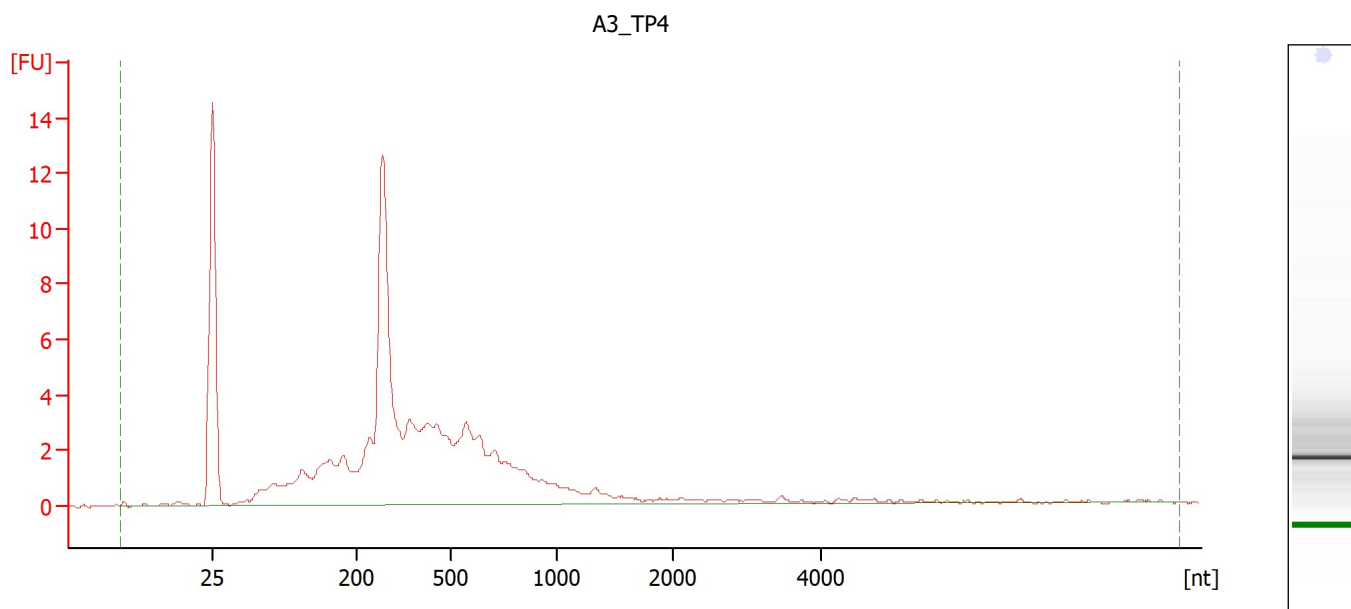
Electropherogram Summary Continued ...**Overall Results for sample 7 : A3_TP3**

RNA Area: 81.4
RNA Concentration: 60 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2.1 (B.02.11,
Anomaly Threshold(s)
manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 2.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-37-35.xad

Created: 11/24/2020 1:37:35 PM
Modified: 11/24/2020 2:07:22 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : A3_TP4**

RNA Area: 94.9

RNA Concentration: 70 ng/μl

rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

1.9 (B.02.11,
Anomaly Threshold(s)
manually adapted)

Result Flagging Color:

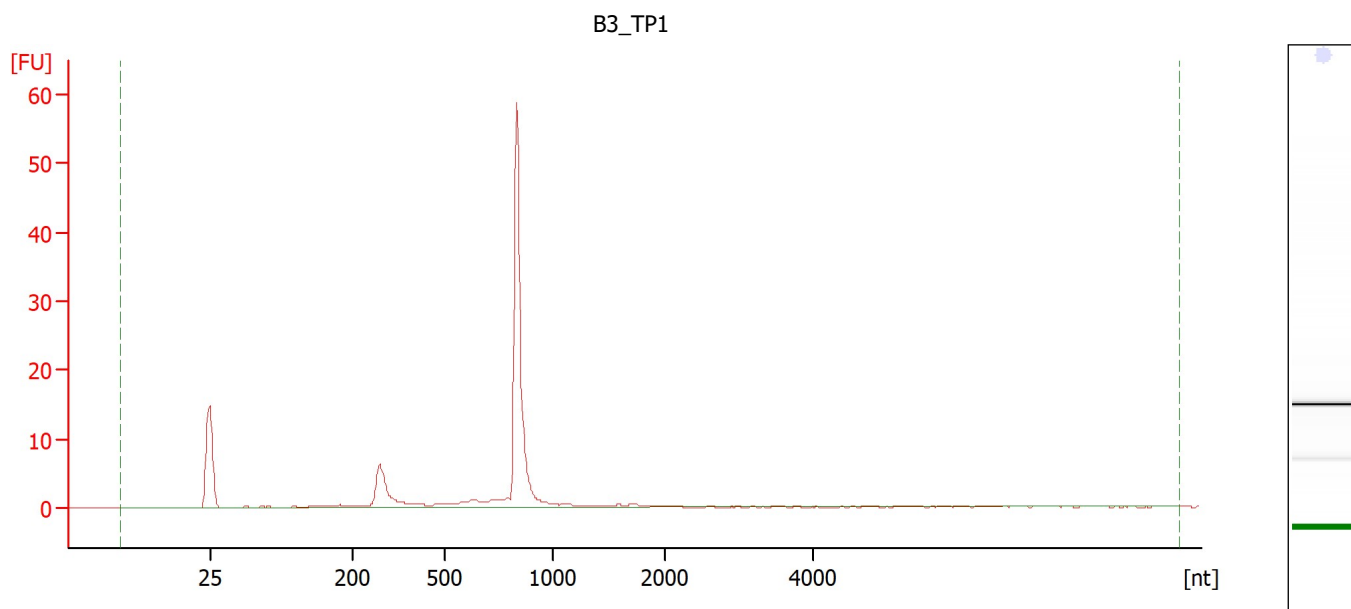


Result Flagging Label:

RIN: 1.90

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-37-35.xad

Created: 11/24/2020 1:37:35 PM
Modified: 11/24/2020 2:07:22 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : B3_TP1**

RNA Area: 86.3

RNA Concentration: 63 ng/μl

rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

1.1 (B.02.11,
Anomaly Threshold(s)
manually adapted)

Result Flagging Color:

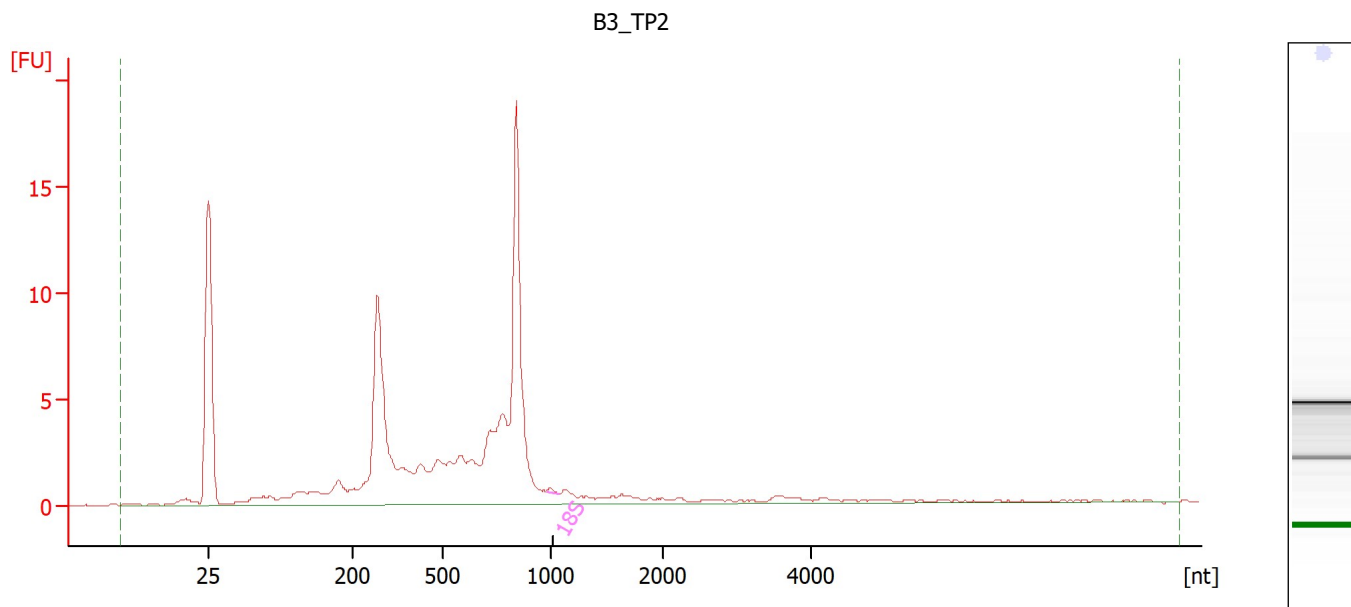


Result Flagging Label:

RIN: 1.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-37-35.xad

Created: 11/24/2020 1:37:35 PM
Modified: 11/24/2020 2:07:22 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : B3_TP2**

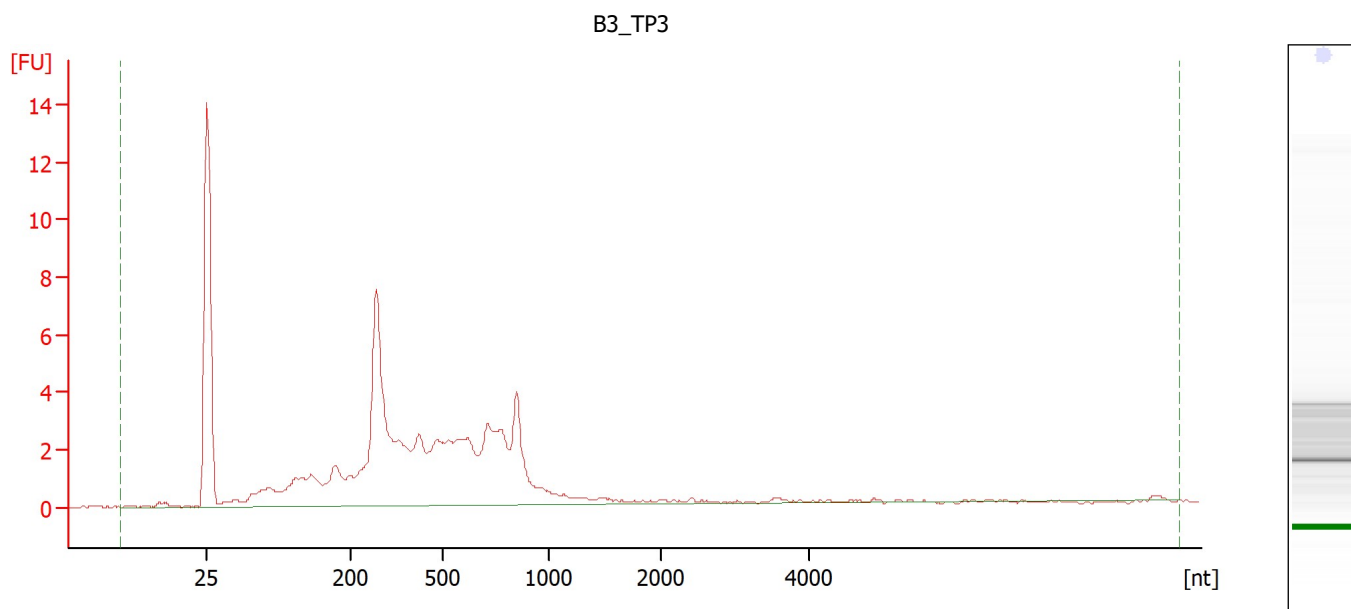
RNA Area:	95.7	RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	70 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 1.70

Fragment table for sample 10 : B3_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	980	1,066	0.2	0.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-37-35.xad

Created: 11/24/2020 1:37:35 PM
Modified: 11/24/2020 2:07:22 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : B3_TP3**

RNA Area: 78.7

RNA Concentration: 58 ng/μl

rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

2.1 (B.02.11,
Anomaly Threshold(s)
manually adapted)

Result Flagging Color:

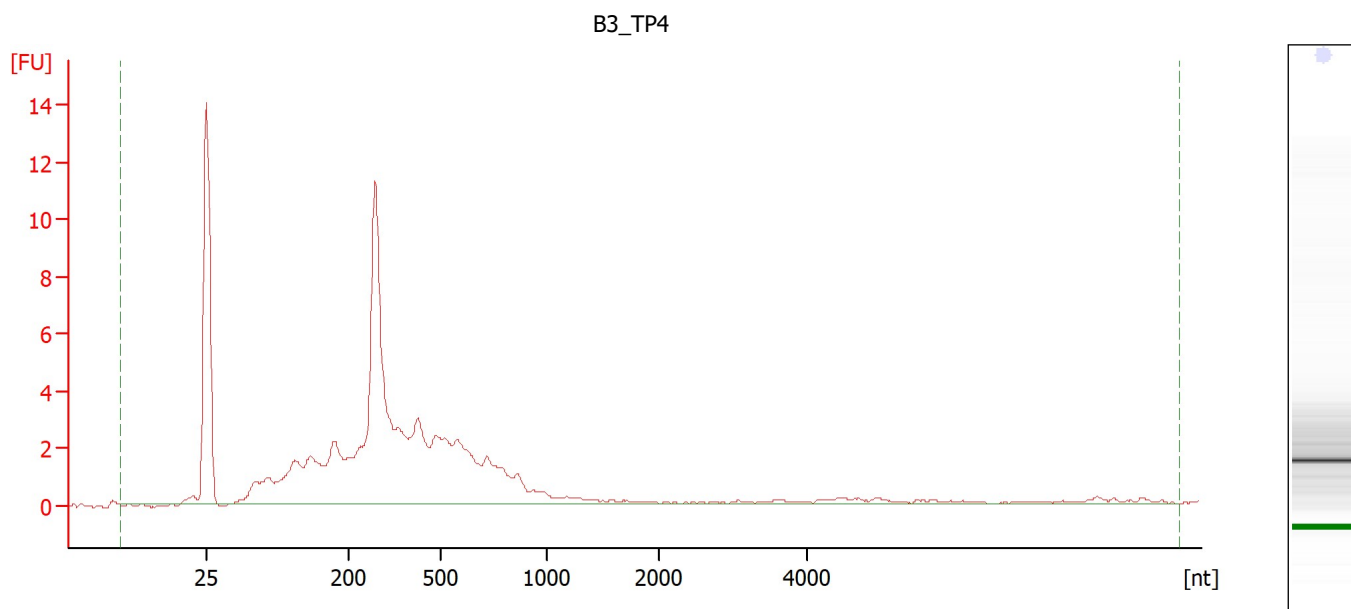


Result Flagging Label:

RIN: 2.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-37-35.xad

Created: 11/24/2020 1:37:35 PM
Modified: 11/24/2020 2:07:22 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : B3_TP4**

RNA Area: 90.6

RNA Concentration: 66 ng/μl

rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

2 (B.02.11, Anomaly
Threshold(s) manually
adapted)

Result Flagging Color:



Result Flagging Label:

RIN:2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-37-35.xad

Created: 11/24/2020 1:37:35 PM
Modified: 11/24/2020 2:07:22 PM

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