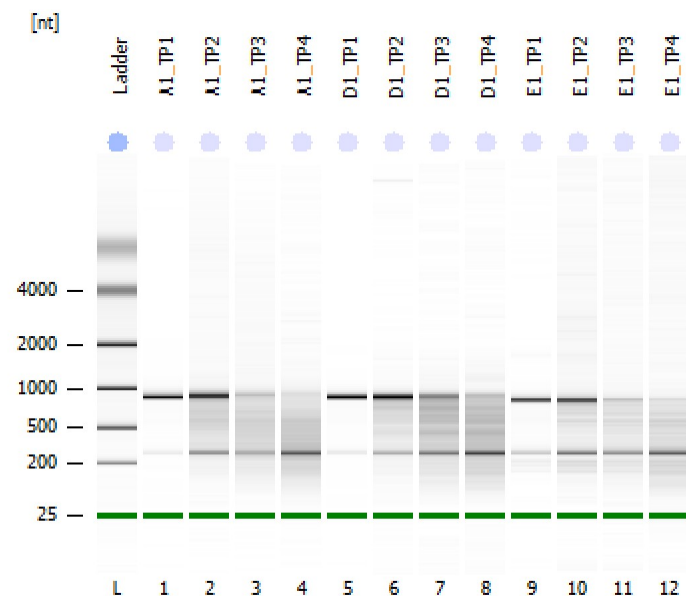


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-04-00.xad

Created: 11/24/2020 1:04:00 PM
Modified: 11/24/2020 1:38:07 PM

Electrophoresis File Run SummaryInstrument 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)

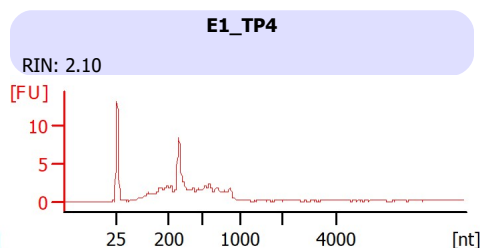
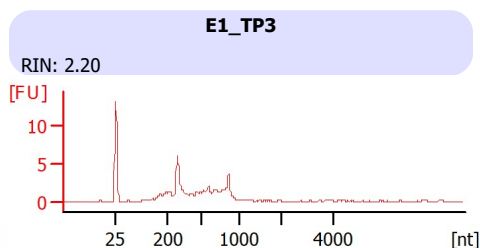
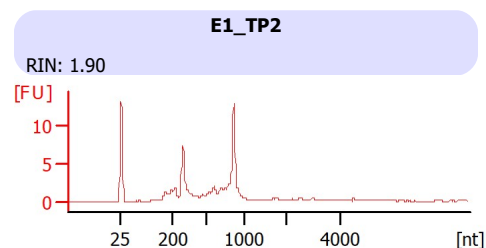
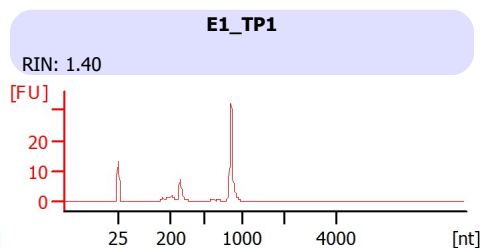
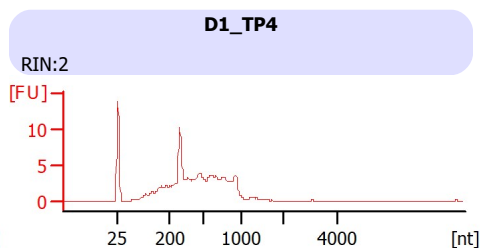
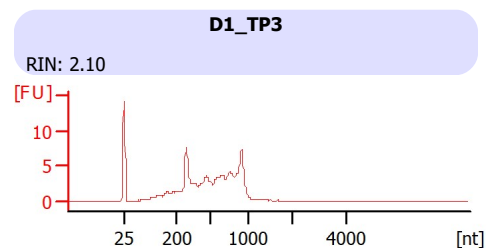
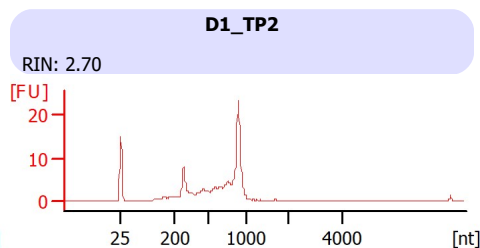
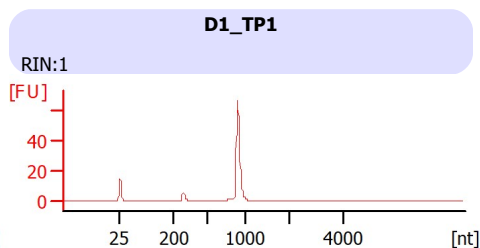
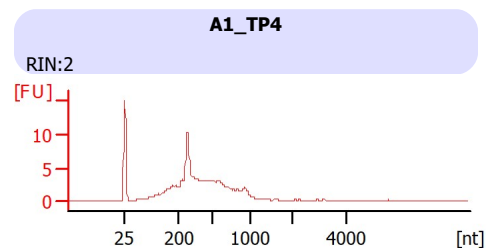
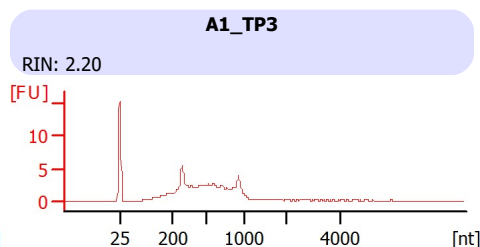
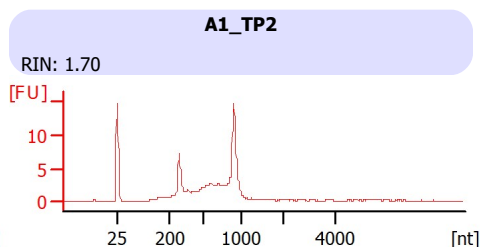
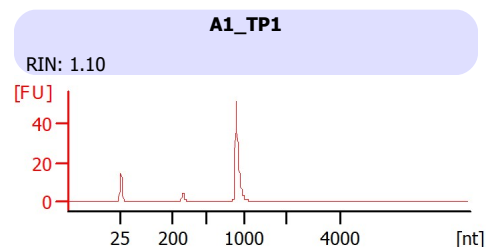
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-04-00.xad

Created: 11/24/2020 1:04:00 PM
Modified: 11/24/2020 1:38:07 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
A1_TP1		✓ RIN: 1.10	
A1_TP2		✓ RIN: 1.70	
A1_TP3		✓ RIN: 2.20	
A1_TP4		✓ RIN:2	
D1_TP1		✓ RIN:1	
D1_TP2		✓ RIN: 2.70	
D1_TP3		✓ RIN: 2.10	
D1_TP4		✓ RIN:2	
E1_TP1		✓ RIN: 1.40	
E1_TP2		✓ RIN: 1.90	
E1_TP3		✓ RIN: 2.20	
E1_TP4		✓ RIN: 2.10	
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_13-04-00.xad

Created: 11/24/2020 1:04:00 PM
Modified: 11/24/2020 1:38:07 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

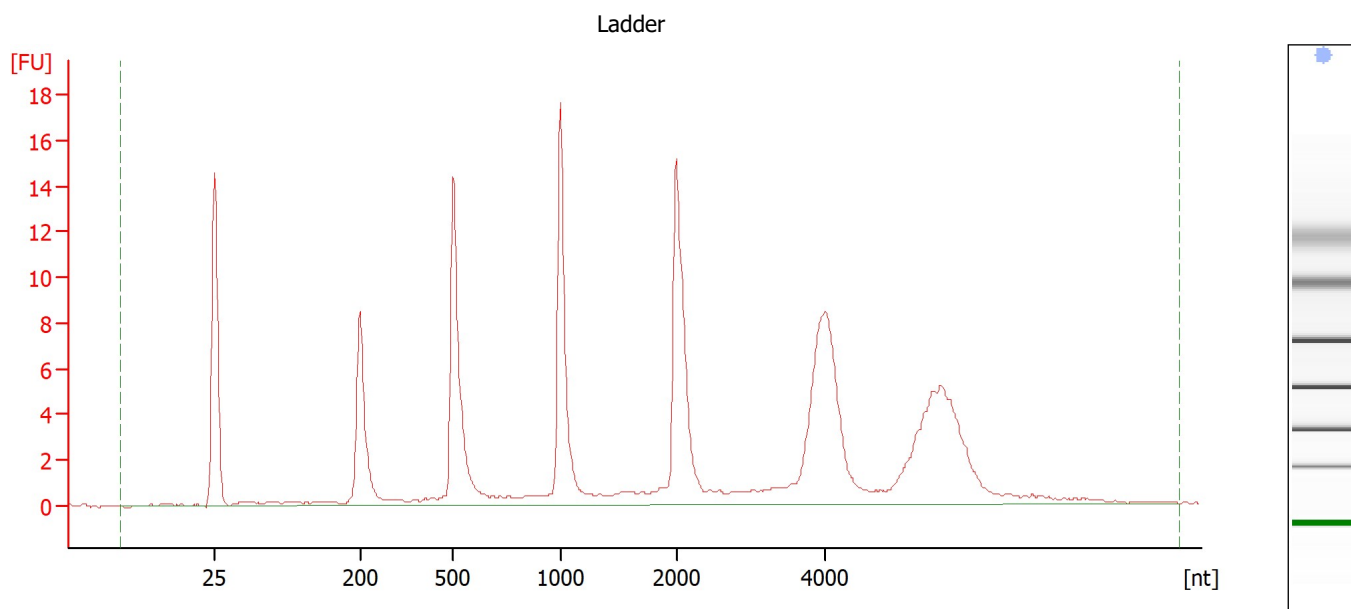
Ladder

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_13-04-00.xad

Created: 11/24/2020 1:04:00 PM
Modified: 11/24/2020 1:38:07 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 138.5

Result Flagging Color:



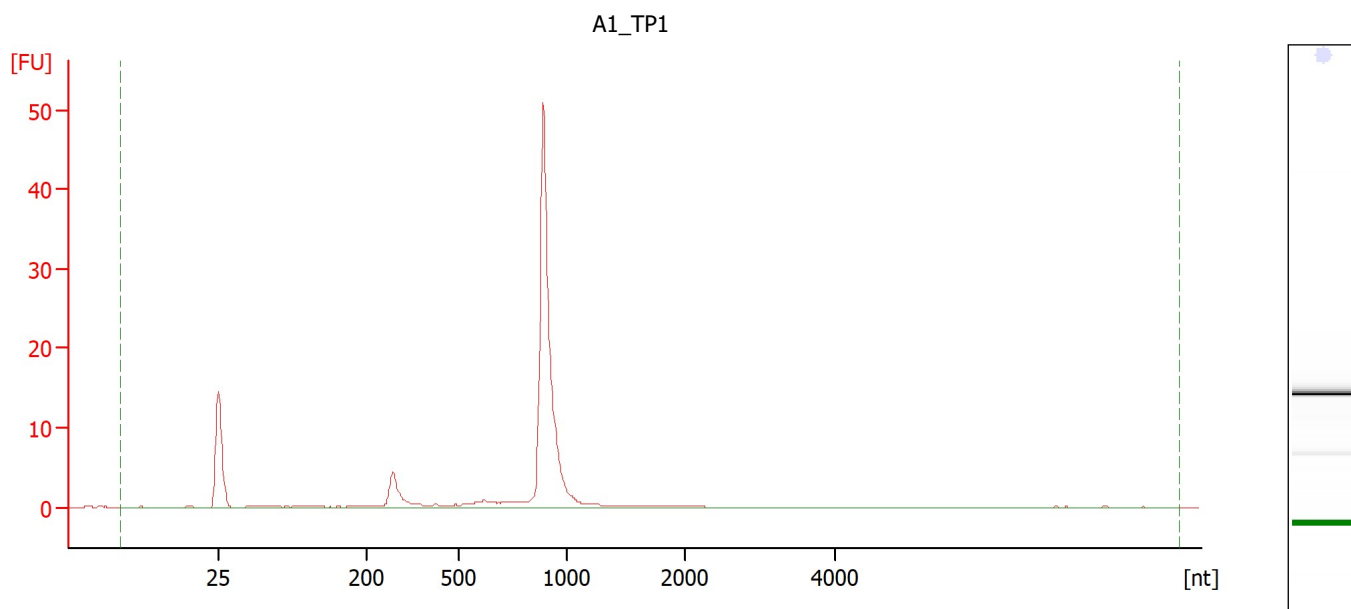
RNA Concentration: 150 ng/μl

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_13-04-00.xad

Created: 11/24/2020 1:04:00 PM
Modified: 11/24/2020 1:38:07 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : A1_TP1**

RNA Area: 87.0
RNA Concentration: 94 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:

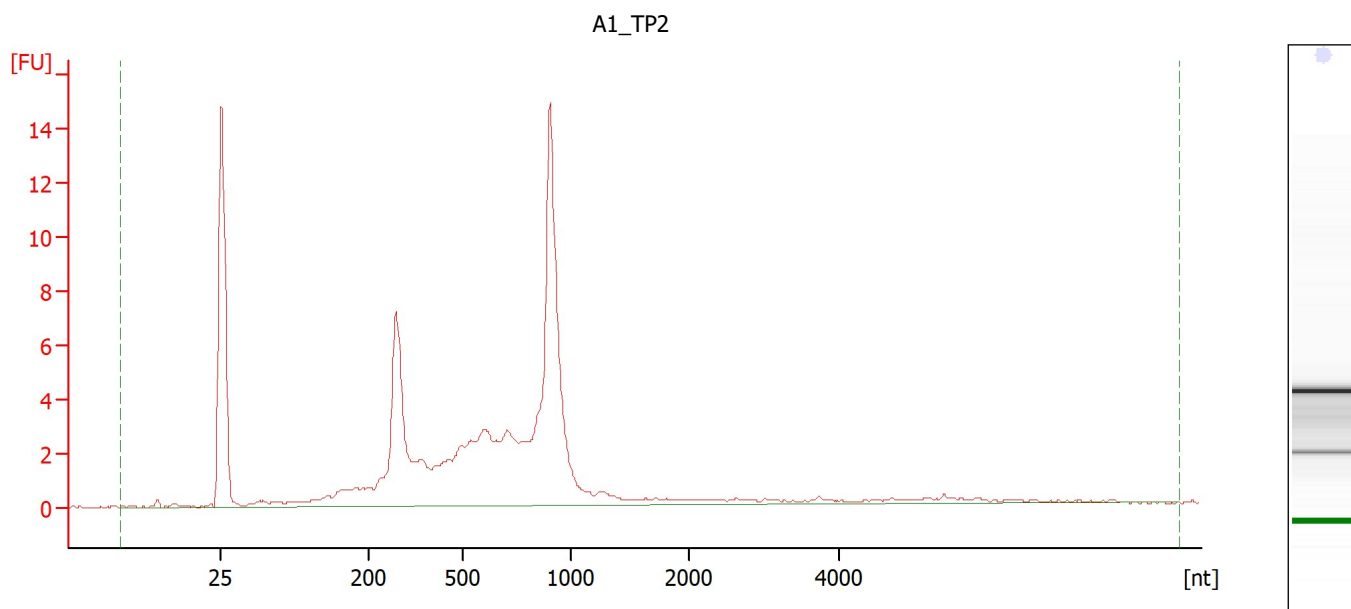


Result Flagging Label:

RIN: 1.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-04-00.xad

Created: 11/24/2020 1:04:00 PM
Modified: 11/24/2020 1:38:07 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : A1_TP2**

RNA Area: 92.0

RNA Concentration: 100 ng/μl

rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

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

Result Flagging Color:

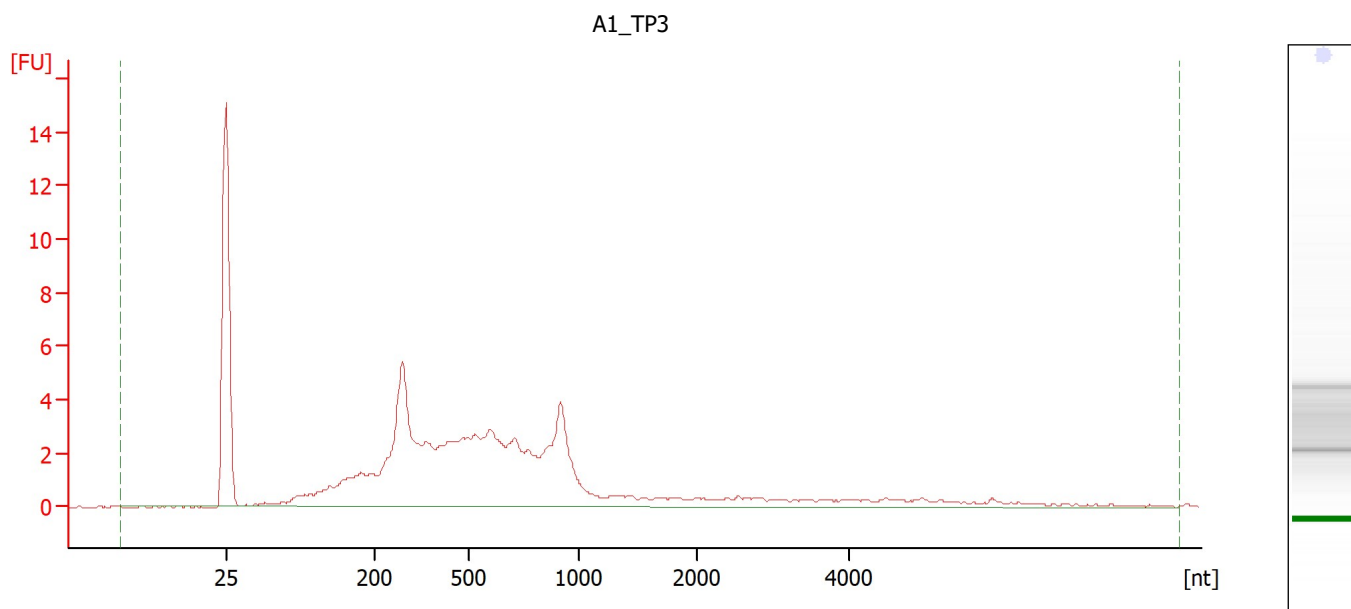


Result Flagging Label:

RIN: 1.70

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-04-00.xad

Created: 11/24/2020 1:04:00 PM
Modified: 11/24/2020 1:38:07 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : A1_TP3**

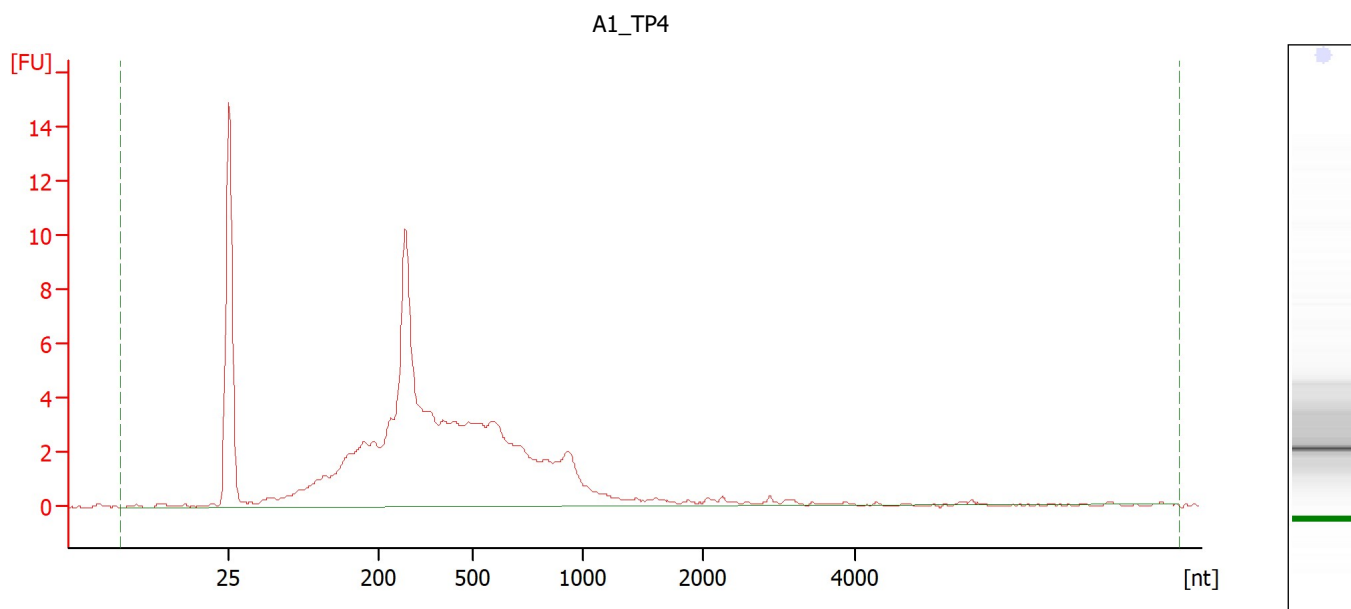
RNA Area: 88.6
RNA Concentration: 96 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2.2 (B.02.11,
Anomaly Threshold(s)
manually adapted)

Result Flagging Color:
Result Flagging Label: RIN: 2.20

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-04-00.xad

Created: 11/24/2020 1:04:00 PM
Modified: 11/24/2020 1:38:07 PM

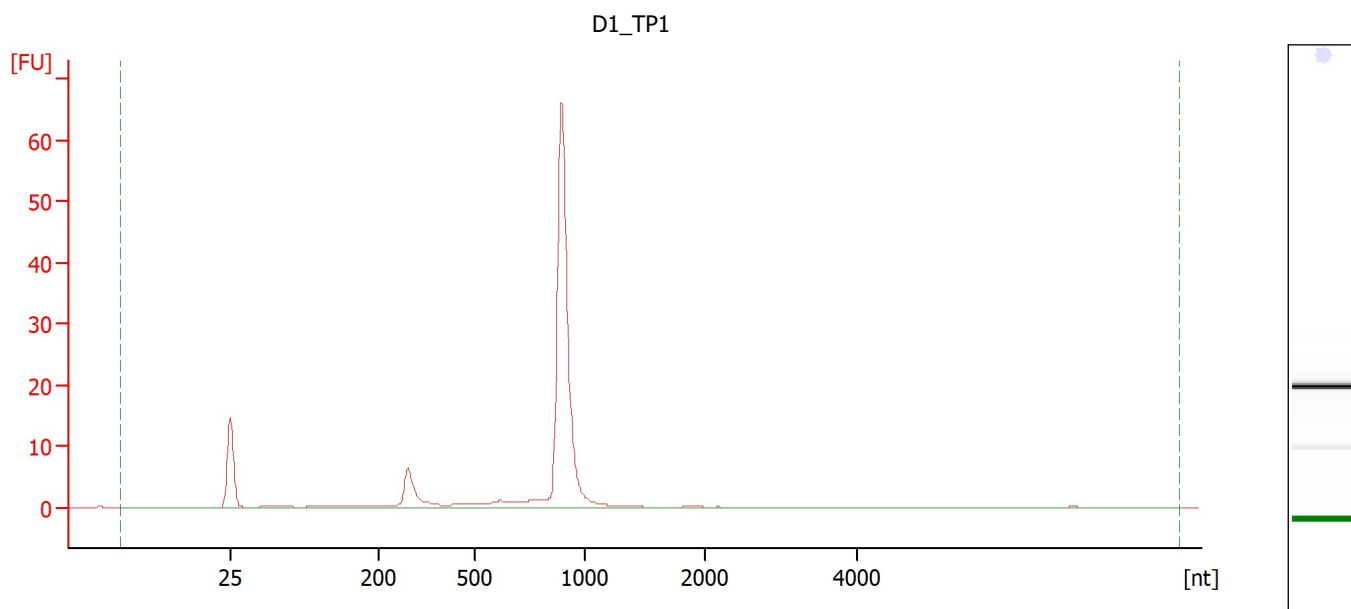
Electropherogram Summary Continued ...**Overall Results for sample 4 : A1_TP4**

RNA Area: 109.1
RNA Concentration: 118 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_13-04-00.xad

Created: 11/24/2020 1:04:00 PM
Modified: 11/24/2020 1:38:07 PM

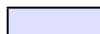
Electropherogram Summary Continued ...**Overall Results for sample 5 : D1_TP1**

RNA Area: 124.4
RNA Concentration: 135 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

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

Result Flagging Color:

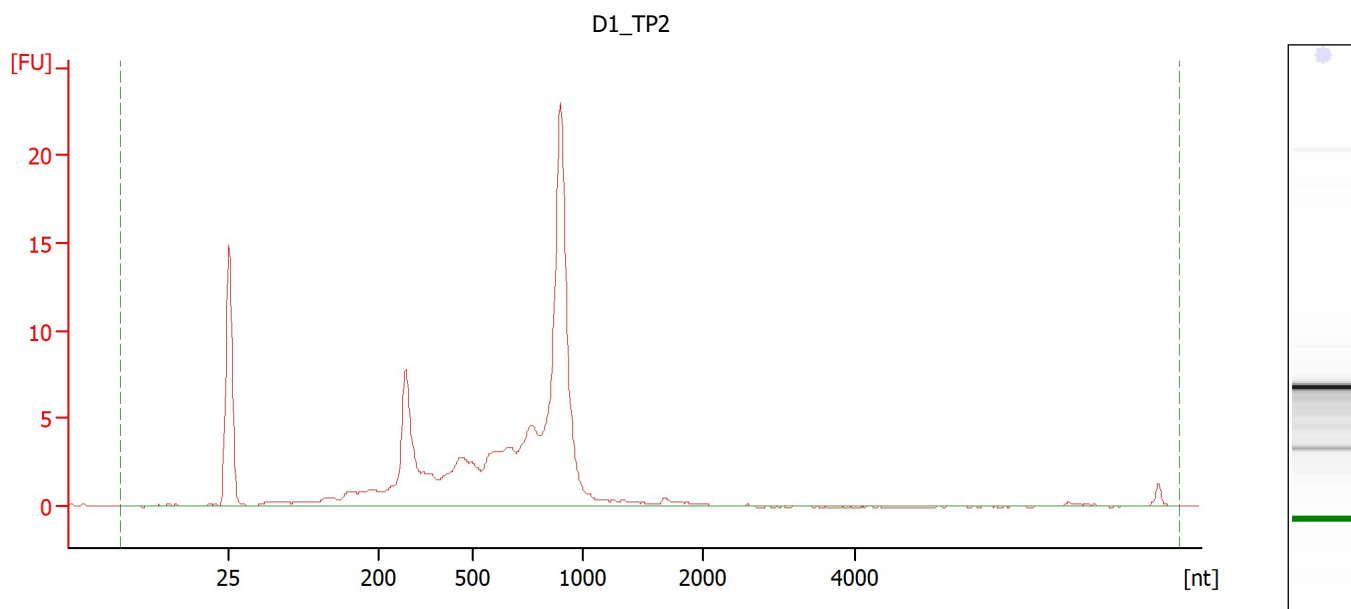


Result Flagging Label:

RIN:1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-04-00.xad

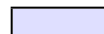
Created: 11/24/2020 1:04:00 PM
Modified: 11/24/2020 1:38:07 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : D1_TP2**

RNA Area: 114.8
RNA Concentration: 124 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2.7 (B.02.11,
Anomaly Threshold(s)
manually adapted)

Result Flagging Color:

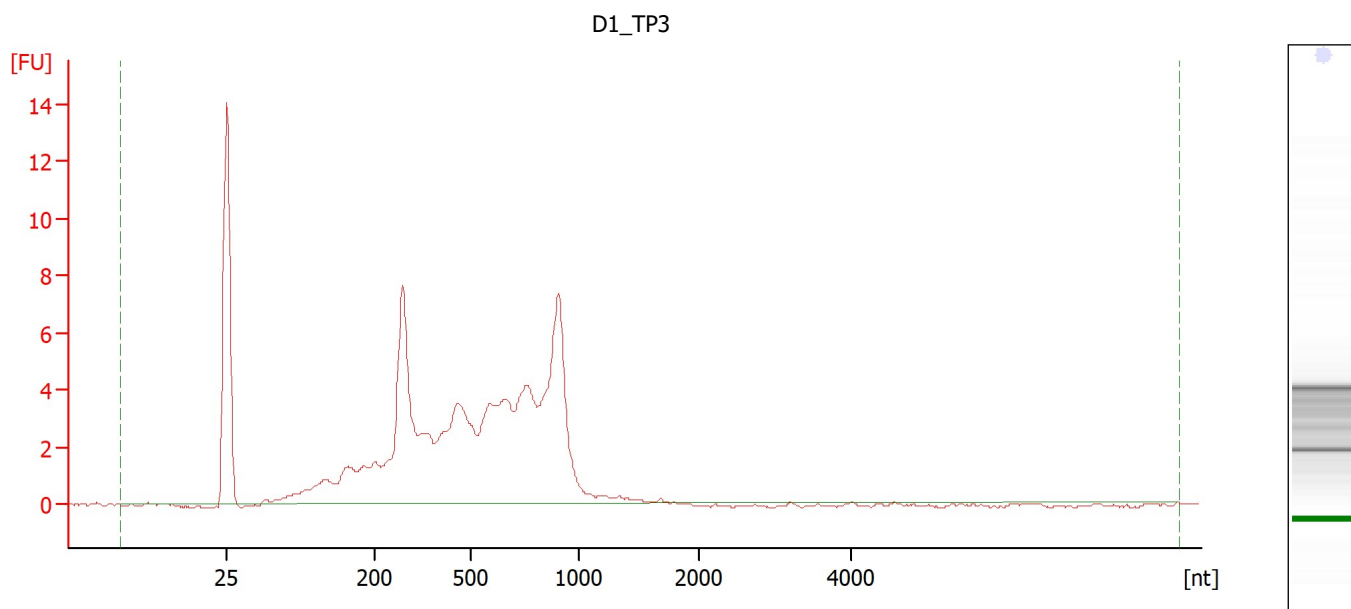


Result Flagging Label:

RIN: 2.70

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-04-00.xad

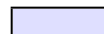
Created: 11/24/2020 1:04:00 PM
Modified: 11/24/2020 1:38:07 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : D1_TP3**

RNA Area: 100.3
RNA Concentration: 109 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:

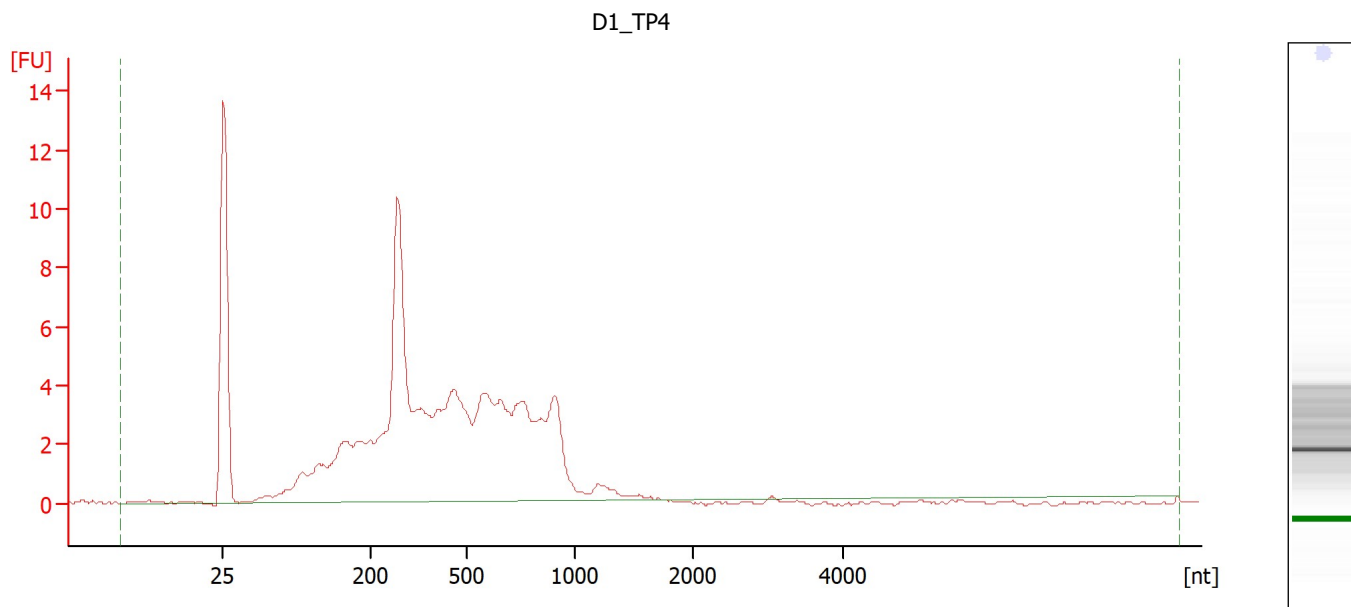


Result Flagging Label:

RIN: 2.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-04-00.xad

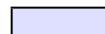
Created: 11/24/2020 1:04:00 PM
Modified: 11/24/2020 1:38:07 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : D1_TP4**

RNA Area: 110.9
RNA Concentration: 120 ng/μl
rRNA Ratio [28s / 18s]: 0.0

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

Result Flagging Color:

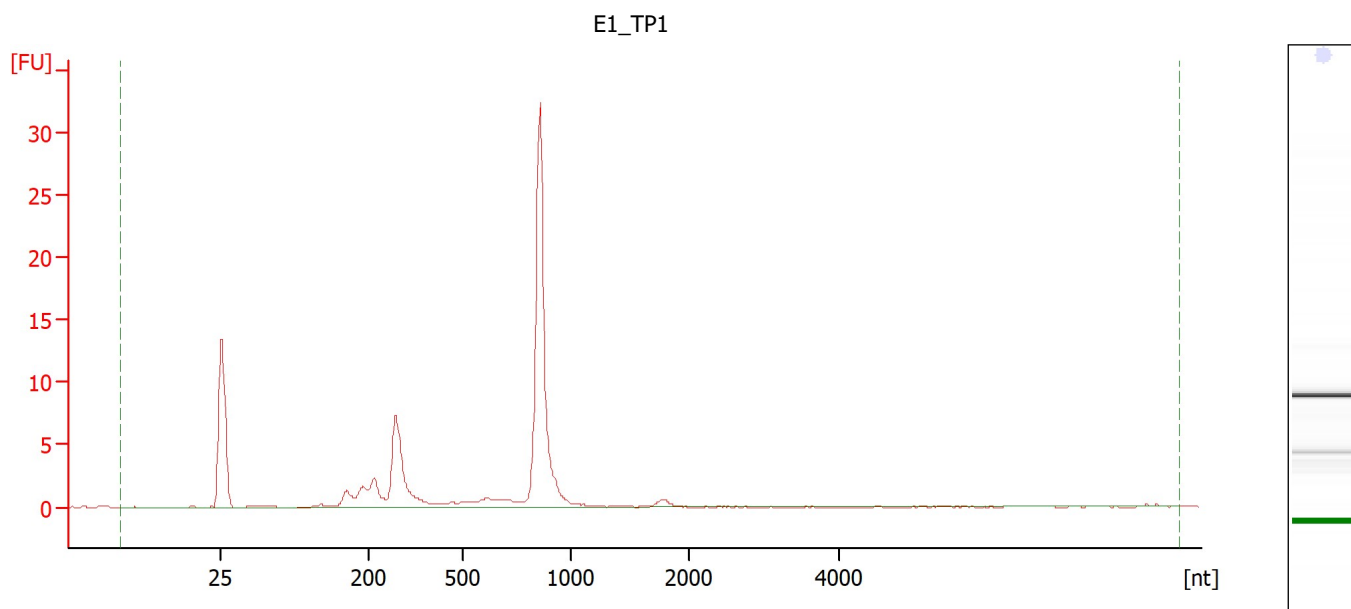


Result Flagging Label:

RIN:2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-04-00.xad

Created: 11/24/2020 1:04:00 PM
Modified: 11/24/2020 1:38:07 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : E1_TP1**

RNA Area: 68.1

RNA Concentration: 74 ng/μl

rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

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

Result Flagging Color:

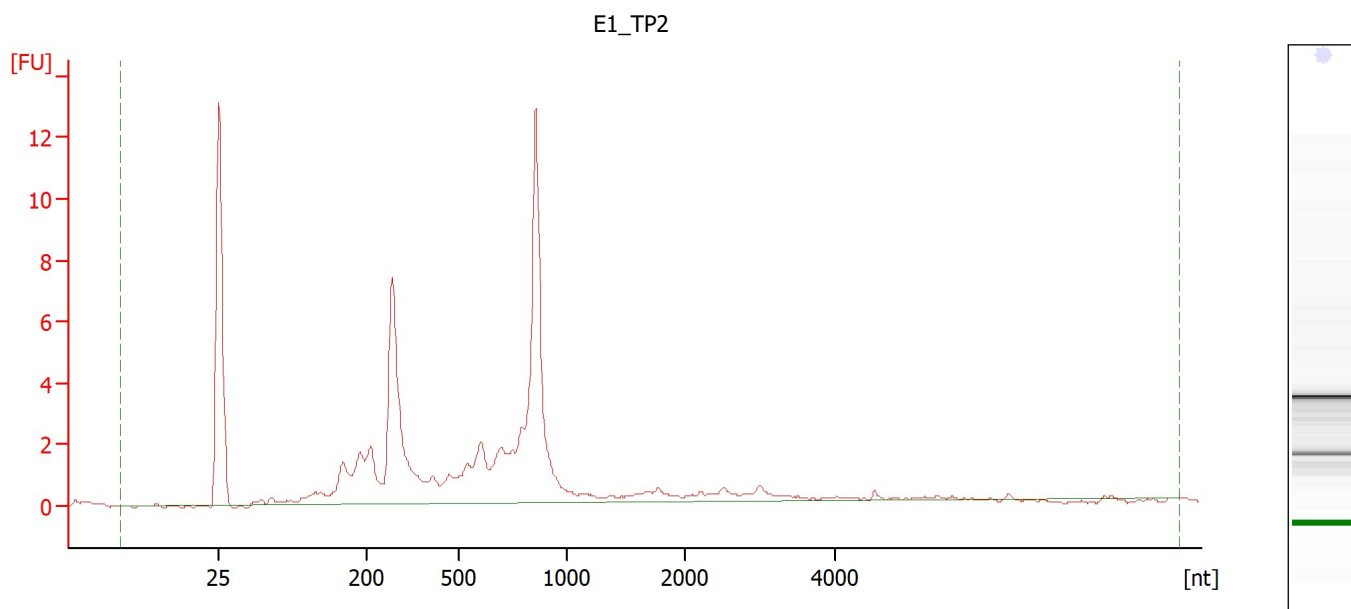


Result Flagging Label:

RIN: 1.40

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-04-00.xad

Created: 11/24/2020 1:04:00 PM
Modified: 11/24/2020 1:38:07 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : E1_TP2**

RNA Area: 67.6
RNA Concentration: 73 ng/μl
rRNA Ratio [28s / 18s]: 0.0

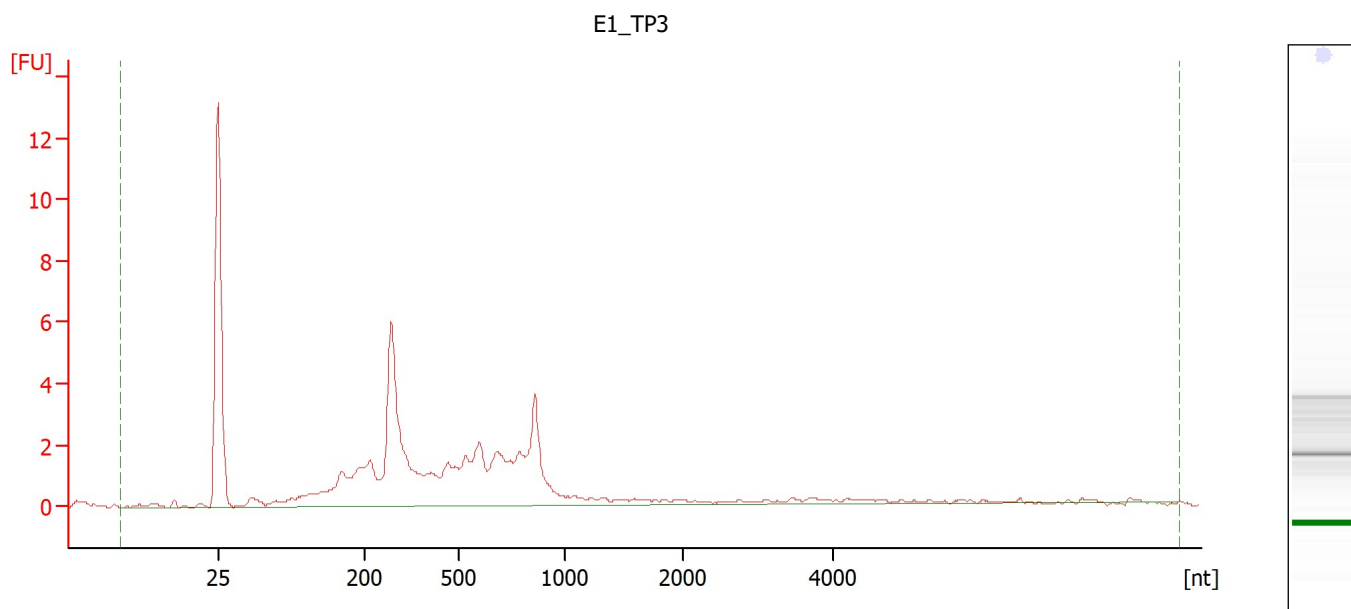
RNA Integrity Number (RIN): 1.9 (B.02.11,
Anomaly Threshold(s)
manually adapted)

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_13-04-00.xad

Created: 11/24/2020 1:04:00 PM
Modified: 11/24/2020 1:38:07 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : E1_TP3**

RNA Area: 57.8

RNA Concentration: 63 ng/μl

rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

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

Result Flagging Color:

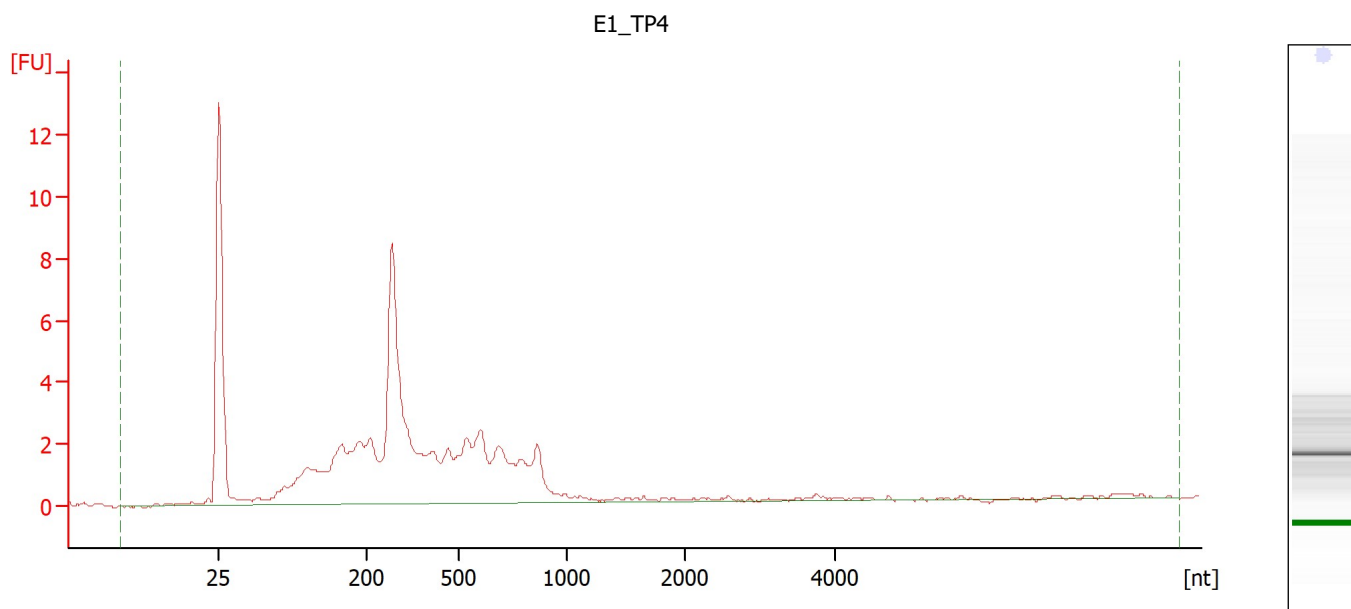


Result Flagging Label:

RIN: 2.20

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-04-00.xad

Created: 11/24/2020 1:04:00 PM
Modified: 11/24/2020 1:38:07 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : E1_TP4**

RNA Area: 74.3
RNA Concentration: 80 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_13-04-00.xad

Created: 11/24/2020 1:04:00 PM
Modified: 11/24/2020 1:38:07 PM

Gel Image