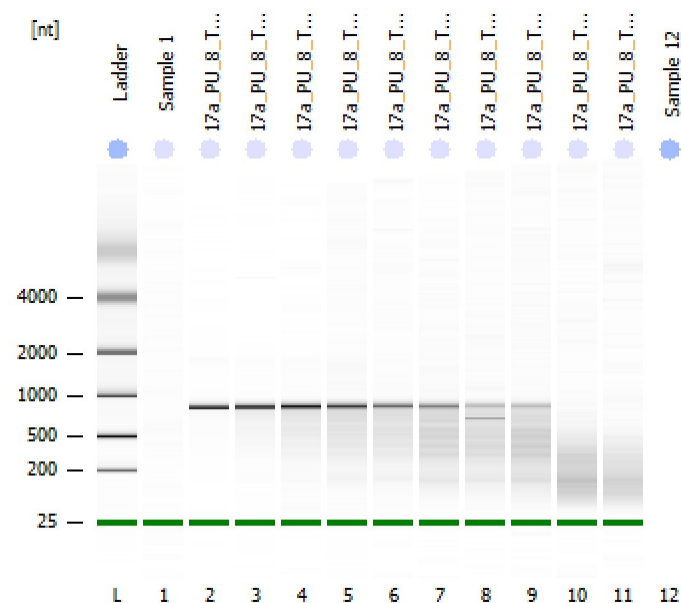


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-35-05.xad

Created: 12/10/2020 12:35:05 PM
Modified: 12/10/2020 3:02:51 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE72901302

Firmware: C.01.069

Serial#: DE72901302

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)

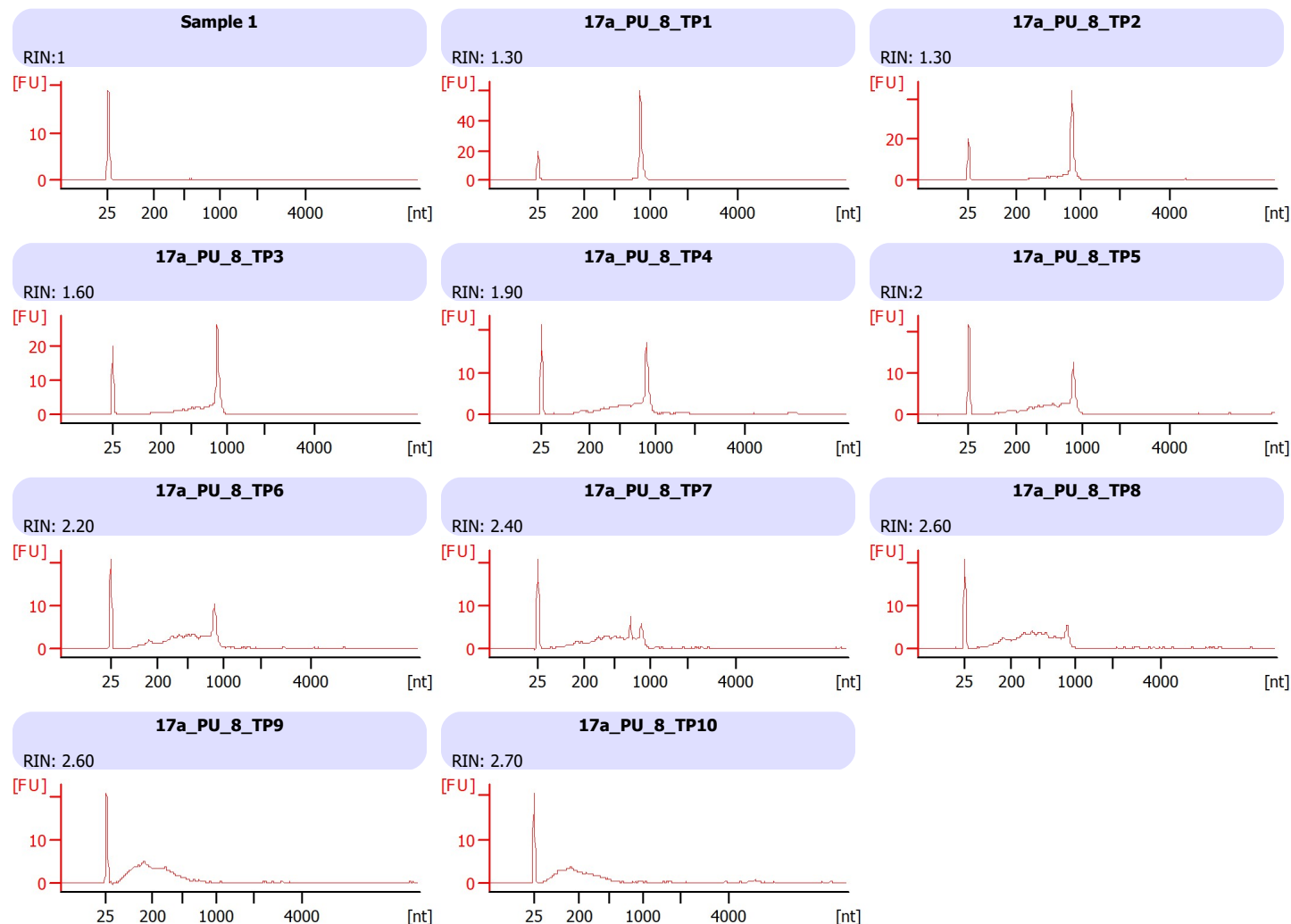
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-35-05.xad

Created: 12/10/2020 12:35:05 PM
Modified: 12/10/2020 3:02:51 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Stat Result Label | Result Color |
|---------------|----------------|---------------------|--------------|
| Sample 1 | | ✓ RIN:1 | |
| 17a_PU_8_TP1 | | ✓ RIN: 1.30 | |
| 17a_PU_8_TP2 | | ✓ RIN: 1.30 | |
| 17a_PU_8_TP3 | | ✓ RIN: 1.60 | |
| 17a_PU_8_TP4 | | ✓ RIN: 1.90 | |
| 17a_PU_8_TP5 | | ✓ RIN:2 | |
| 17a_PU_8_TP6 | | ✓ RIN: 2.20 | |
| 17a_PU_8_TP7 | | ✓ RIN: 2.40 | |
| 17a_PU_8_TP8 | | ✓ RIN: 2.60 | |
| 17a_PU_8_TP9 | | ✓ RIN: 2.60 | |
| 17a_PU_8_TP10 | | ✓ RIN: 2.70 | |
| Sample 12 | | | |
| Ladder | | ✓ All Other Samples | |

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-35-05.xad

Created: 12/10/2020 12:35:05 PM
Modified: 12/10/2020 3:02:51 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

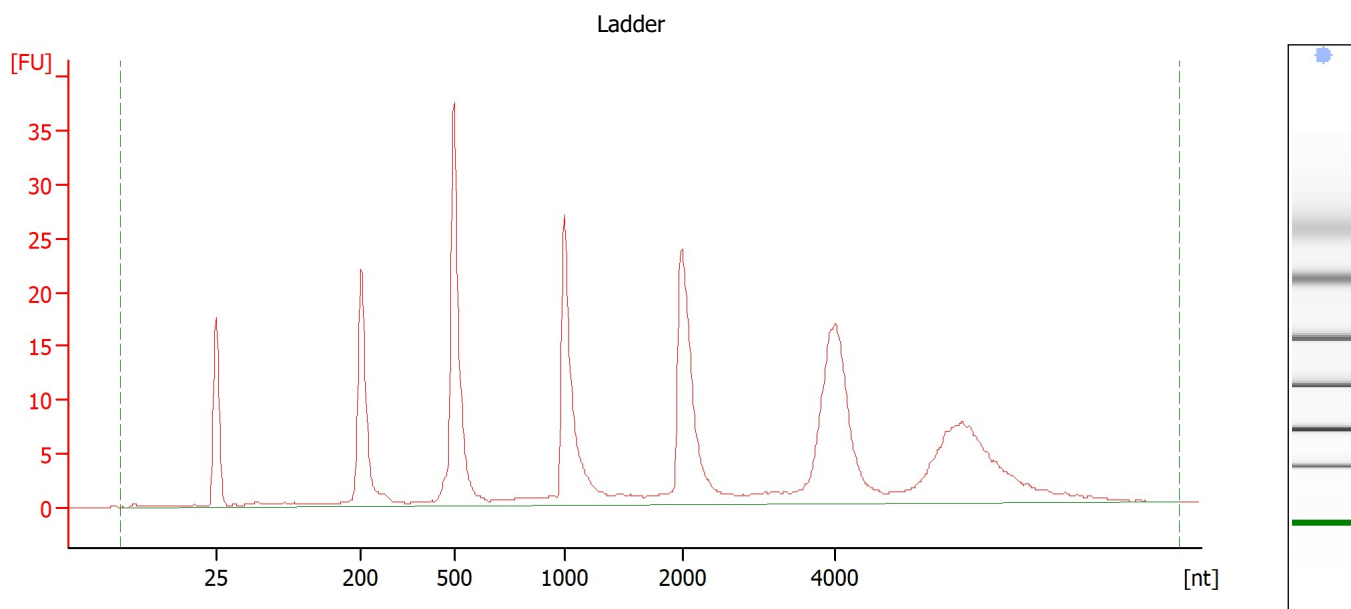
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-35-05.xad

Created: 12/10/2020 12:35:05 PM
Modified: 12/10/2020 3:02:51 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 285.5

Result Flagging Color:



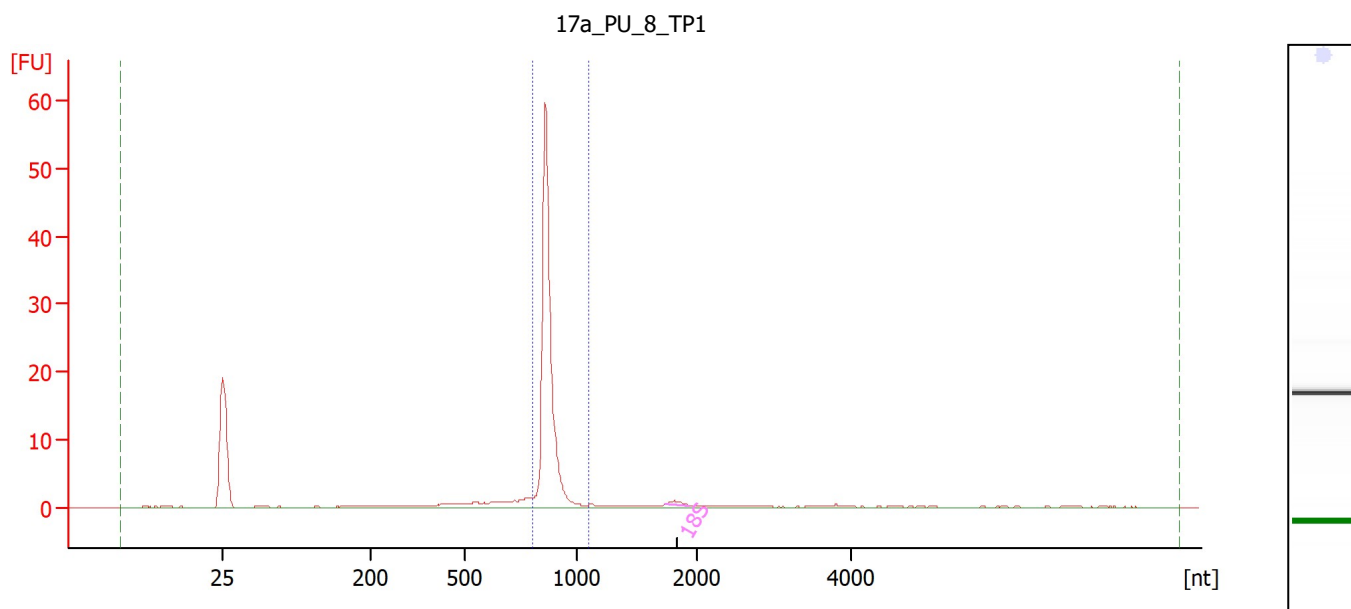
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-35-05.xad

Created: 12/10/2020 12:35:05 PM
 Modified: 12/10/2020 3:02:51 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 17a PU 8 TP1**

| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 93.6 | Result Flagging Color: | |
| RNA Concentration: | 49 ng/μl | Result Flagging Label: | RIN: 1.30 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 71.6 |
| RNA Integrity Number (RIN): | 1.3 (B.02.11, Anomaly Threshold(s) manually adapted) | | |

Fragment table for sample 2 : 17a PU 8 TP1

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,736 | 1,933 | 0.7 | 0.8 |

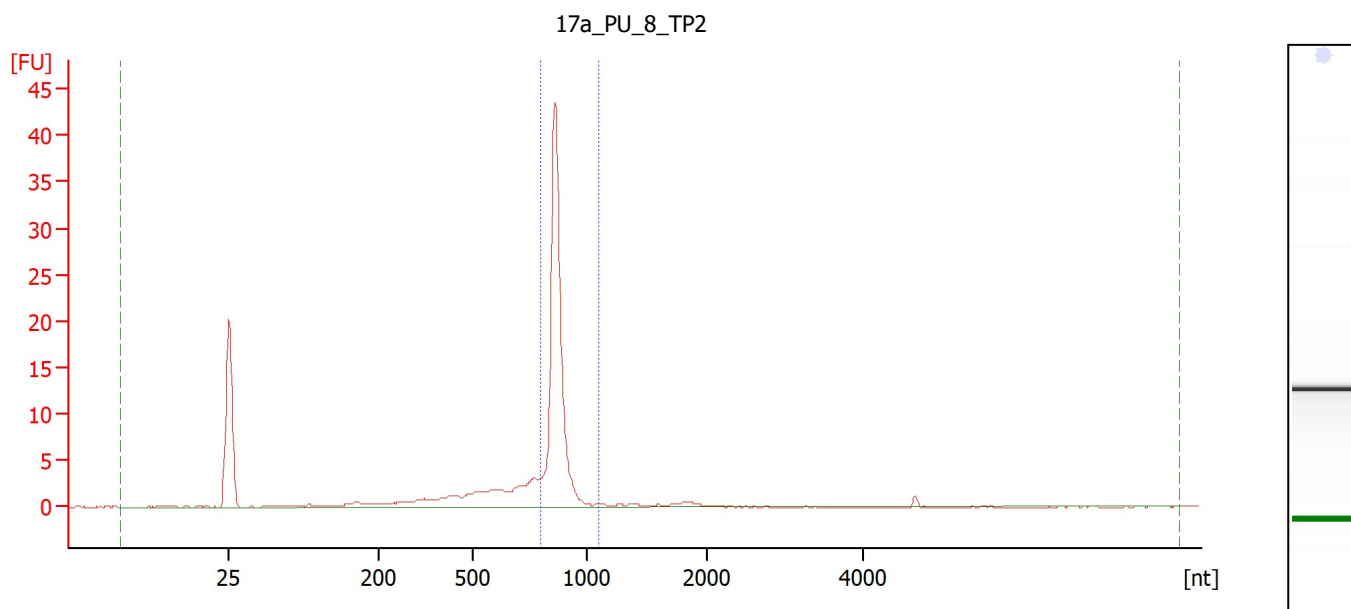
Region table for sample 2 : 17a PU 8 TP1

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 800 | 1,100 | 71.6 | 76 | |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-35-05.xad

Created: 12/10/2020 12:35:05 PM
 Modified: 12/10/2020 3:02:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 17a PU 8 TP2

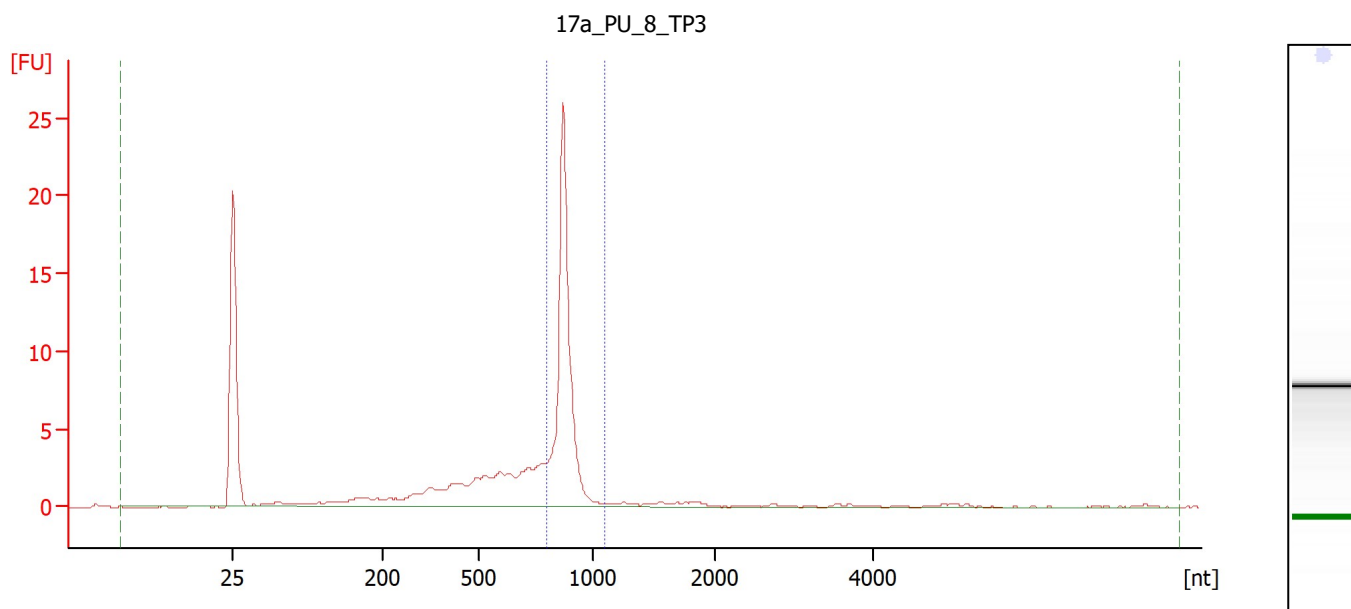
| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 95.1 | Result Flagging Color: | |
| RNA Concentration: | 50 ng/μl | Result Flagging Label: | RIN: 1.30 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 58.9 |
| RNA Integrity Number (RIN): | 1.3 (B.02.11, Anomaly Threshold(s) manually adapted) | | |

Region table for sample 3 : 17a PU 8 TP2

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|---|
| Region 1 | 800 | 1,100 | 58.9 | 62 | |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-35-05.xad

Created: 12/10/2020 12:35:05 PM
Modified: 12/10/2020 3:02:51 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 17a PU 8 TP3**

| | | | |
|-----------------------------|--|------------------------|-----------|
| RNA Area: | 81.1 | Result Flagging Color: | |
| RNA Concentration: | 43 ng/μl | Result Flagging Label: | RIN: 1.60 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 38.8 |
| RNA Integrity Number (RIN): | 1.6 (B.02.11, Anomaly Threshold(s) manually adapted) | | |

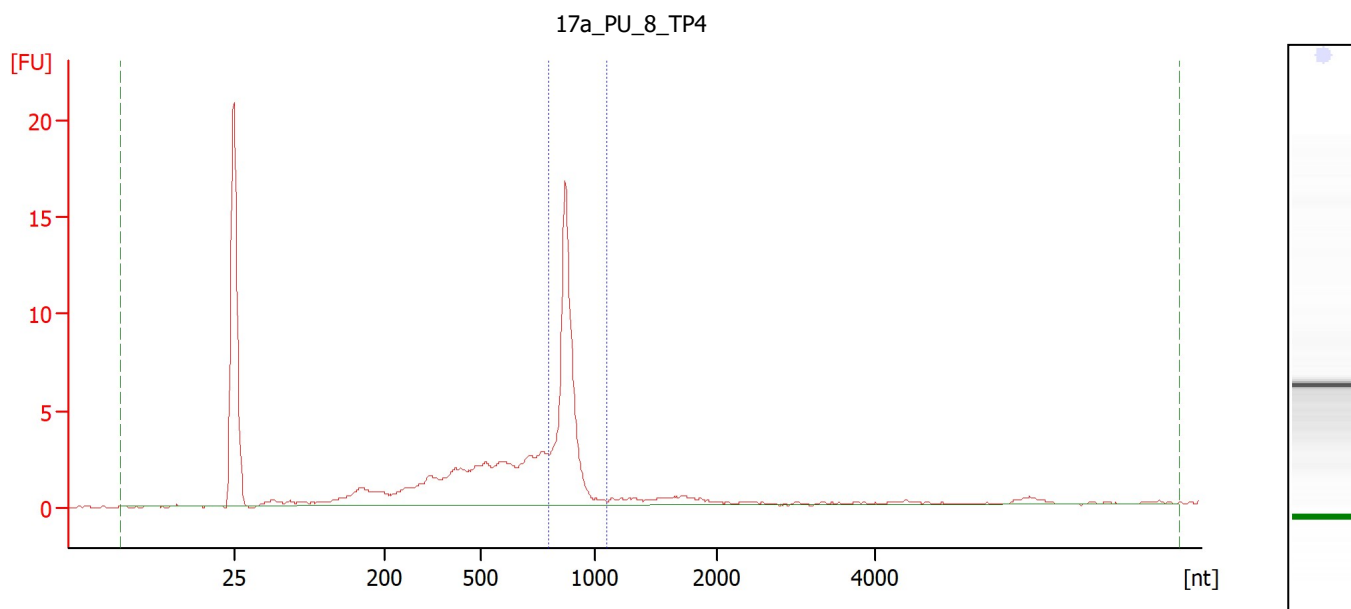
Region table for sample 4 : 17a PU 8 TP3

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|-------|
| Region 1 | 800 | 1,100 | 38.8 | 48 | |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-35-05.xad

Created: 12/10/2020 12:35:05 PM
 Modified: 12/10/2020 3:02:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 17a PU 8 TP4

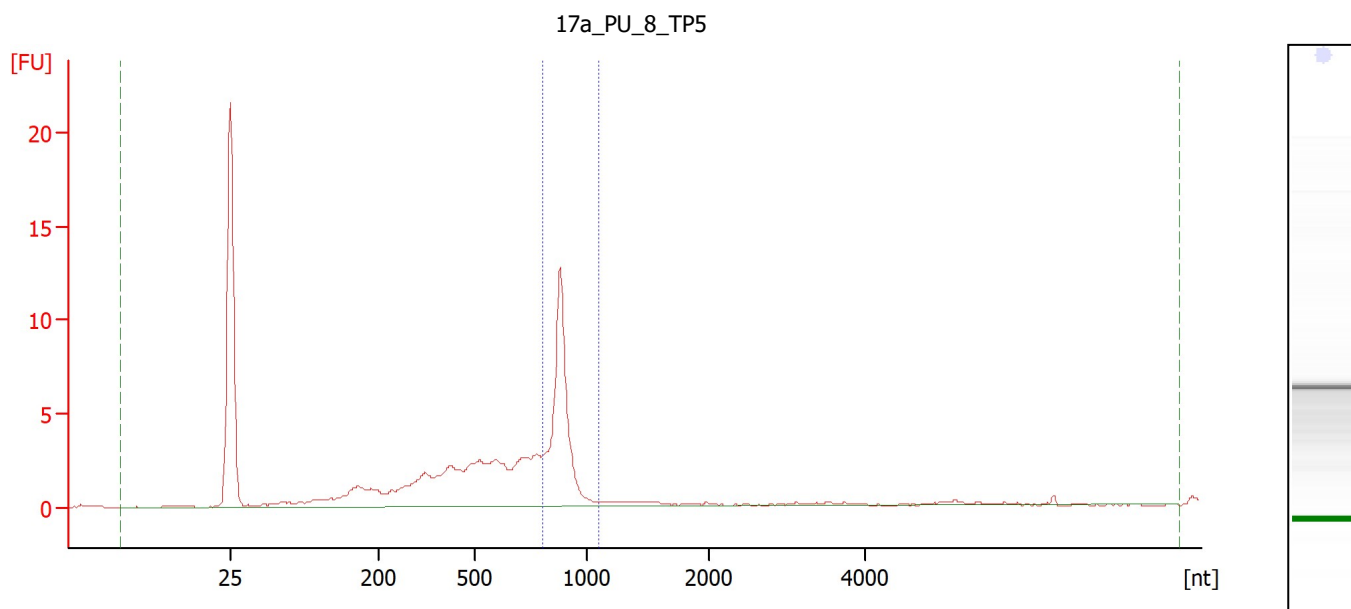
| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 77.9 | Result Flagging Color: | |
| RNA Concentration: | 41 ng/μl | Result Flagging Label: | RIN: 1.90 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 27.9 |
| RNA Integrity Number (RIN): | 1.9 (B.02.11, Anomaly Threshold(s) manually adapted) | | |

Region table for sample 5 : 17a PU 8 TP4

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 800 | 1,100 | 27.9 | 36 | |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-35-05.xad

Created: 12/10/2020 12:35:05 PM
 Modified: 12/10/2020 3:02:51 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 17a PU 8 TP5**

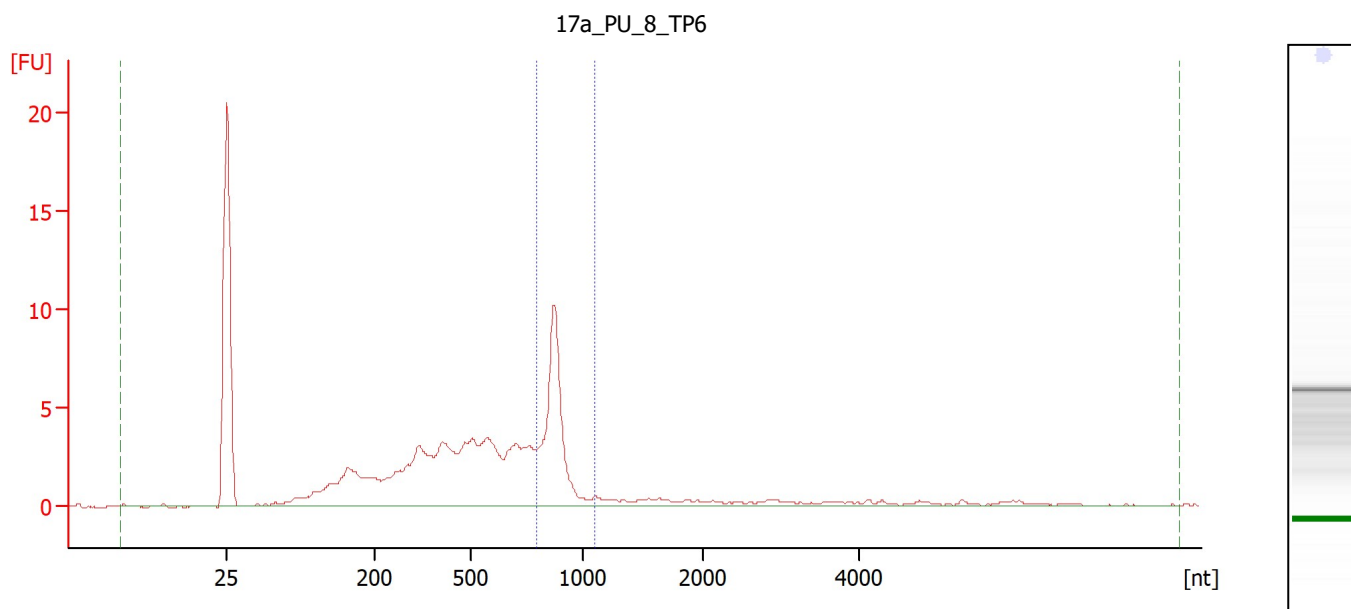
| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 77.4 | Result Flagging Color: | |
| RNA Concentration: | 41 ng/μl | Result Flagging Label: | RIN:2 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 23.4 |
| RNA Integrity Number (RIN): | 2 (B.02.11, Anomaly Threshold(s) manually adapted) | | |

Region table for sample 6 : 17a PU 8 TP5

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 800 | 1,100 | 23.4 | 30 | |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-35-05.xad

Created: 12/10/2020 12:35:05 PM
 Modified: 12/10/2020 3:02:51 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : 17a PU 8 TP6**

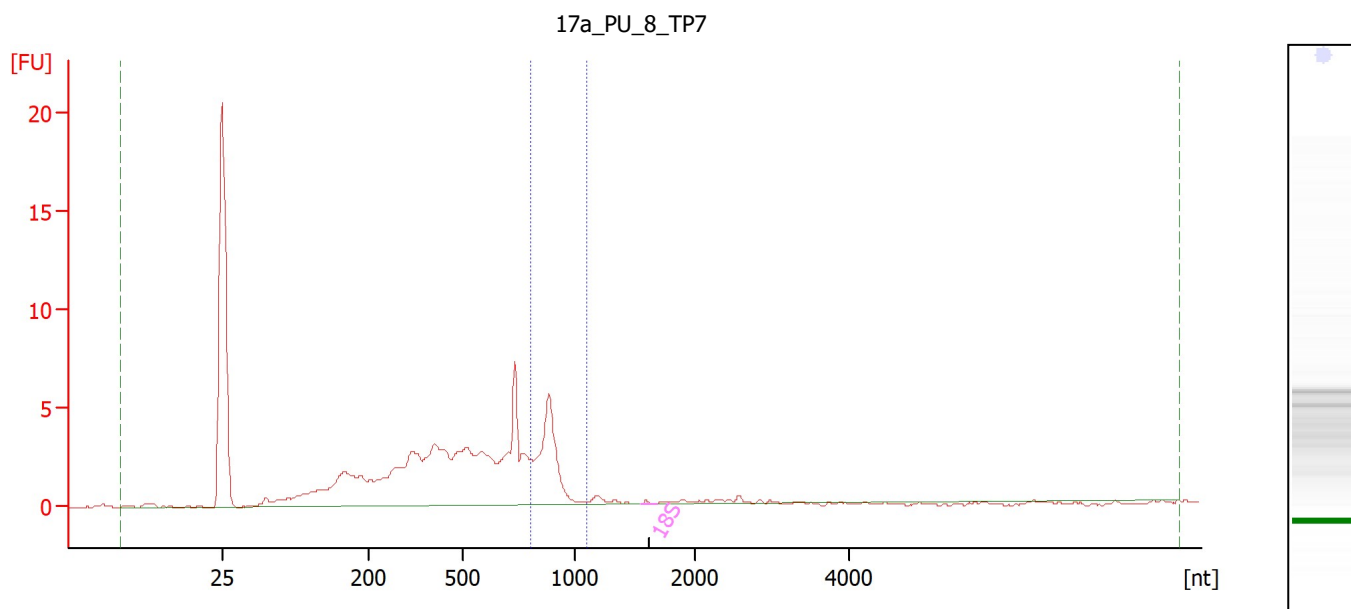
| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 101.9 | Result Flagging Color: | |
| RNA Concentration: | 54 ng/μl | Result Flagging Label: | RIN: 2.20 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 20.8 |
| RNA Integrity Number (RIN): | 2.2 (B.02.11, Anomaly Threshold(s) manually adapted) | | |

Region table for sample 7 : 17a PU 8 TP6

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 800 | 1,100 | 20.8 | 20 | |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-35-05.xad

Created: 12/10/2020 12:35:05 PM
 Modified: 12/10/2020 3:02:51 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 17a PU 8 TP7**

| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 83.9 | Result Flagging Color: | |
| RNA Concentration: | 44 ng/μl | Result Flagging Label: | RIN: 2.40 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 12.9 |
| RNA Integrity Number (RIN): | 2.4 (B.02.11, Anomaly Threshold(s) manually adapted) | | |

Fragment table for sample 8 : 17a PU 8 TP7

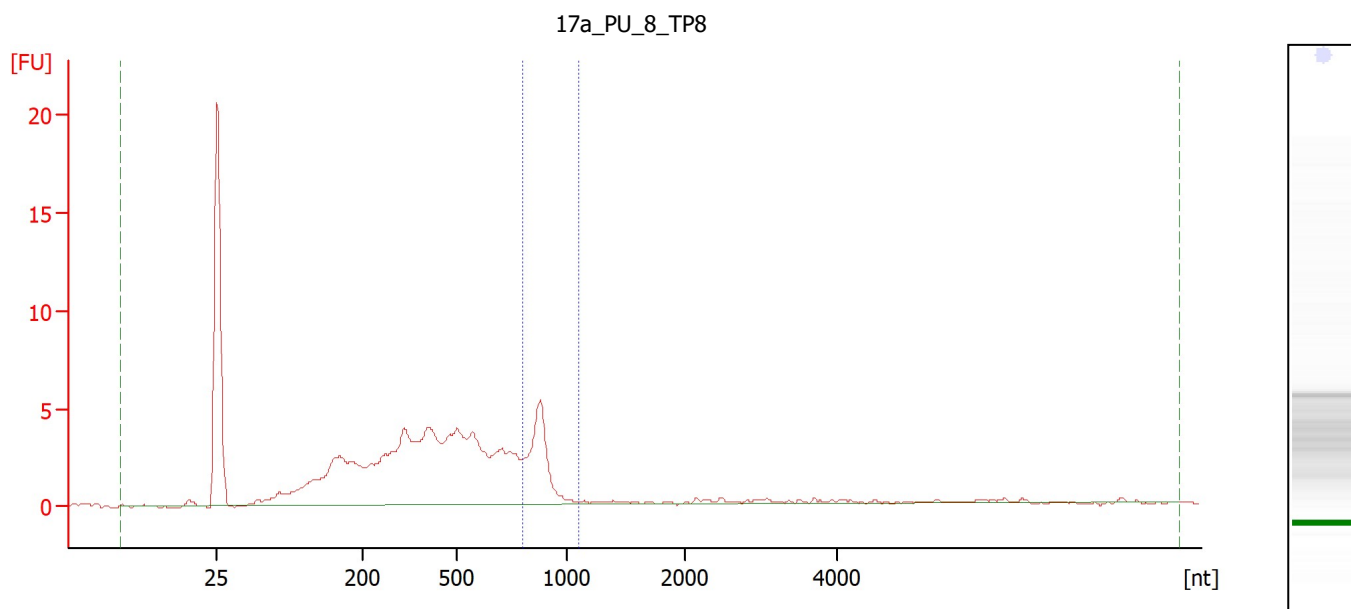
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,555 | 1,681 | 0.1 | 0.2 |

Region table for sample 8 : 17a PU 8 TP7

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 800 | 1,100 | 12.9 | 15 | |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-35-05.xad

Created: 12/10/2020 12:35:05 PM
 Modified: 12/10/2020 3:02:51 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 17a PU 8 TP8**

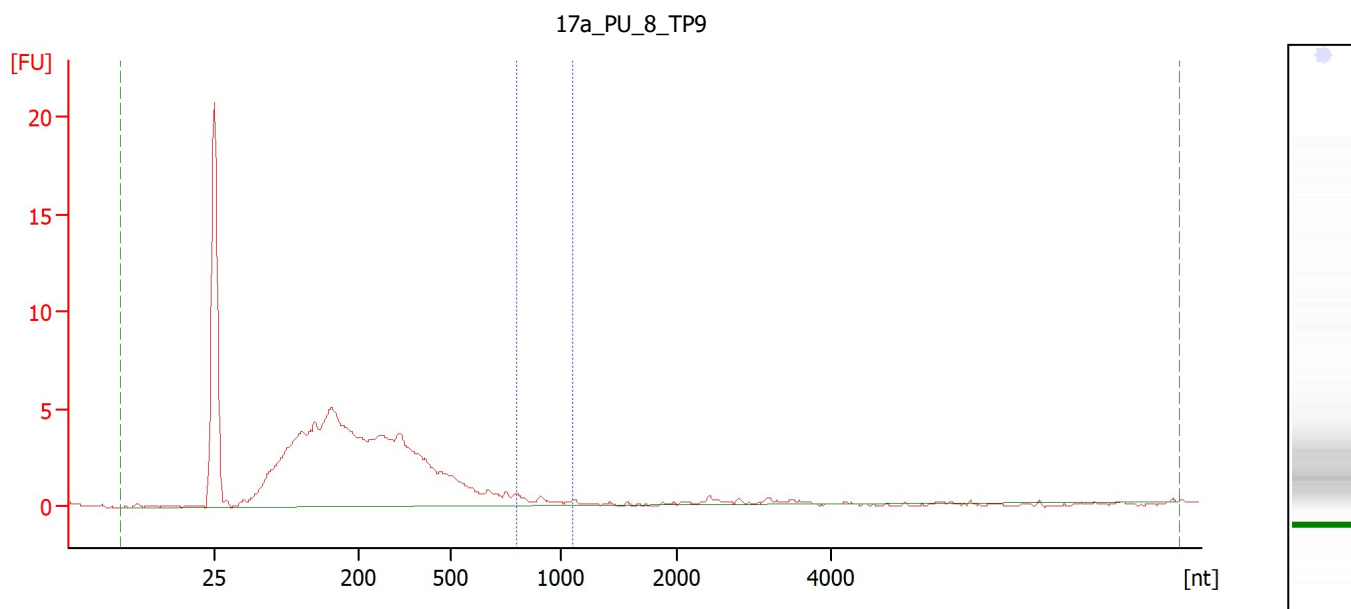
| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 102.4 | Result Flagging Color: | |
| RNA Concentration: | 54 ng/μl | Result Flagging Label: | RIN: 2.60 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 12.9 |
| RNA Integrity Number (RIN): | 2.6 (B.02.11, Anomaly Threshold(s) manually adapted) | | |


Region table for sample 9 : 17a PU 8 TP8

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 800 | 1,100 | 12.9 | 13 | |


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-35-05.xad

Created: 12/10/2020 12:35:05 PM
Modified: 12/10/2020 3:02:51 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 17a PU 8 TP9**

| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 107.1 | Result Flagging Color: |  |
| RNA Concentration: | 56 ng/μl | Result Flagging Label: | RIN: 2.60 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 1.7 |
| RNA Integrity Number (RIN): | 2.6 (B.02.11, Anomaly Threshold(s) manually adapted) | | |

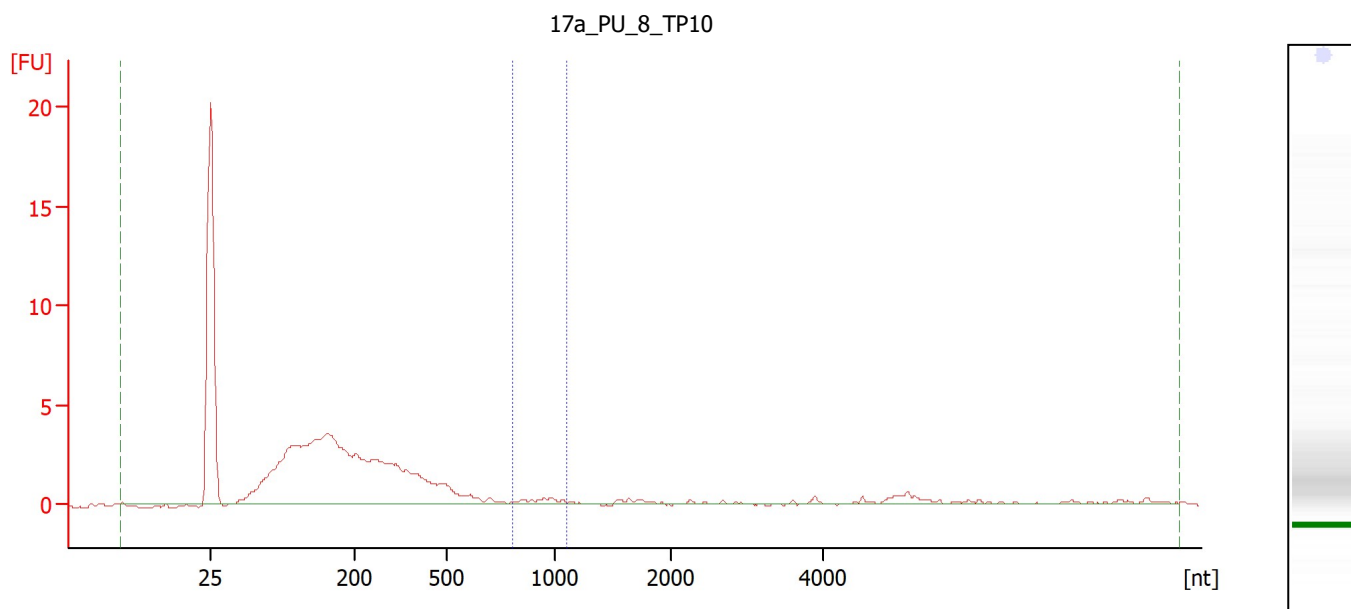
Region table for sample 10 : 17a PU 8 TP9

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|---|
| Region 1 | 800 | 1,100 | 1.7 | 2 |  |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-35-05.xad

Created: 12/10/2020 12:35:05 PM
 Modified: 12/10/2020 3:02:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 17a PU 8 TP10

| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 72.7 | Result Flagging Color: | |
| RNA Concentration: | 38 ng/μl | Result Flagging Label: | RIN: 2.70 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 1.0 |
| RNA Integrity Number (RIN): | 2.7 (B.02.11, Anomaly Threshold(s) manually adapted) | | |

Region table for sample 11 : 17a PU 8 TP10

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 800 | 1,100 | 1.0 | 1 | |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-35-05.xad

Created: 12/10/2020 12:35:05 PM
Modified: 12/10/2020 3:02:51 PM

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