

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...otal RNA Pico_2023-06-15_001_TAG217_resubmission_RNA_QC.xad

Created: 6/15/2023 2:42:06 PM
Modified: 6/15/2023 3:19:35 PM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

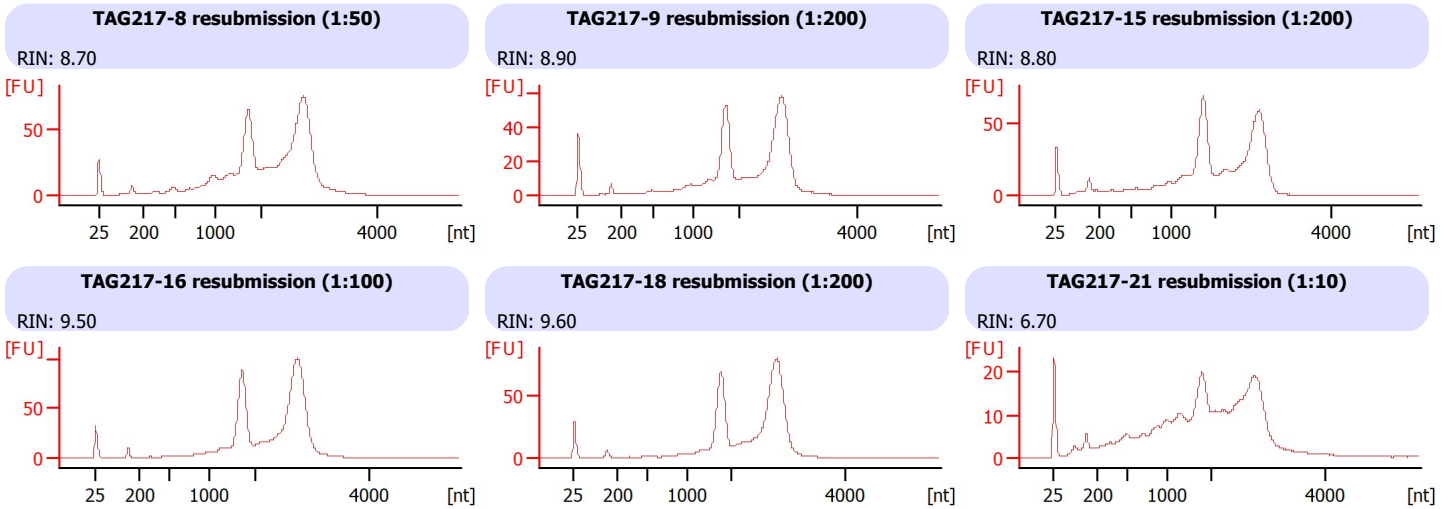
Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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Chip Information:

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



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Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Status | Result Label | Result Color |
|--------------------------------|----------------|--------|-------------------|--------------|
| TAG217-8 resubmission (1:50) | | ✓ | RIN: 8.70 | |
| TAG217-9 resubmission (1:200) | | ✓ | RIN: 8.90 | |
| TAG217-15 resubmission (1:200) | | ✓ | RIN: 8.80 | |
| TAG217-16 resubmission (1:100) | | ✓ | RIN: 9.50 | |
| TAG217-18 resubmission (1:200) | | ✓ | RIN: 9.60 | |
| TAG217-21 resubmission (1:10) | | ✓ | RIN: 6.70 | |
| Ladder | | ✓ | All Other Samples | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
 Minimum Visible Range [s] : 17
 Maximum Visible Range [s] : 70
 Start Analysis Time Range [s] : 18
 End Analysis Time Range [s] : 69
 Ladder Concentration [pg/μl] : 1000
 Lower Marker Concentration [pg/μl] : 0
 Upper Marker Concentration [pg/μl] : 0
 Used Lower Marker for Quantitation
 Standard Curve Fit is Logarithmic
 Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18
 Integration End Time [s] : 69
 Slope Threshold : 0.6
 Height Threshold [FU] : 0.5
 Area Threshold : 0.2
 Width Threshold [s] : 0.3
 Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
 Polynomial Order : 4

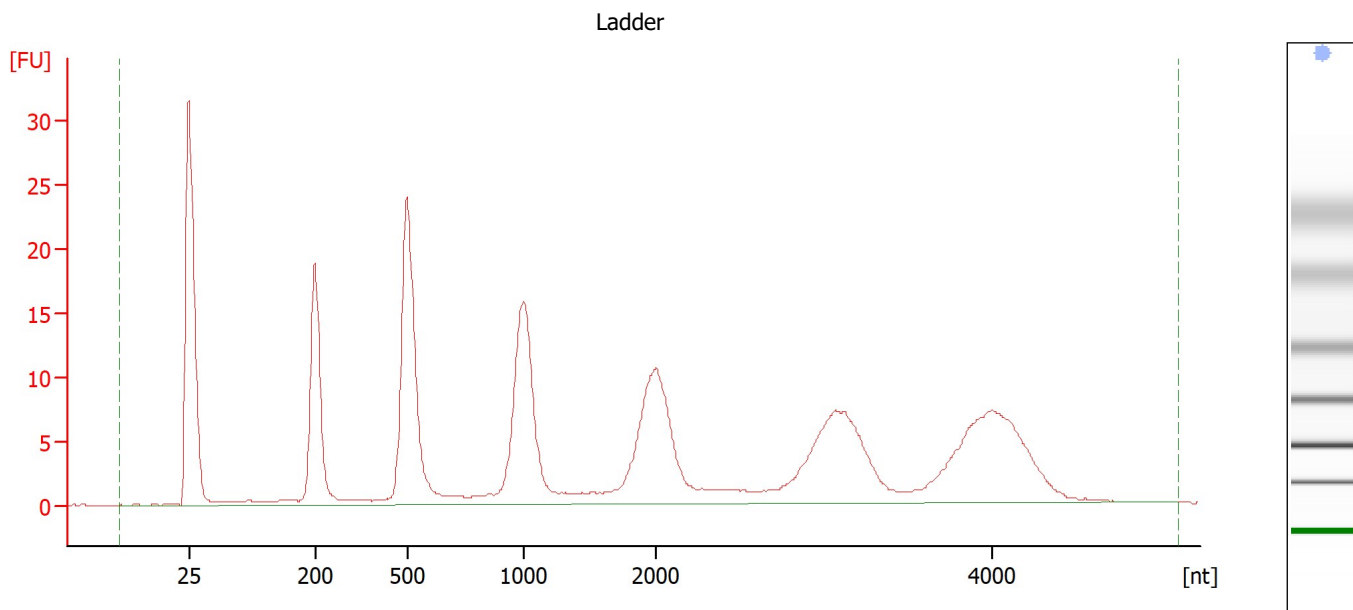
Ladder

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

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Electropherogram Summary



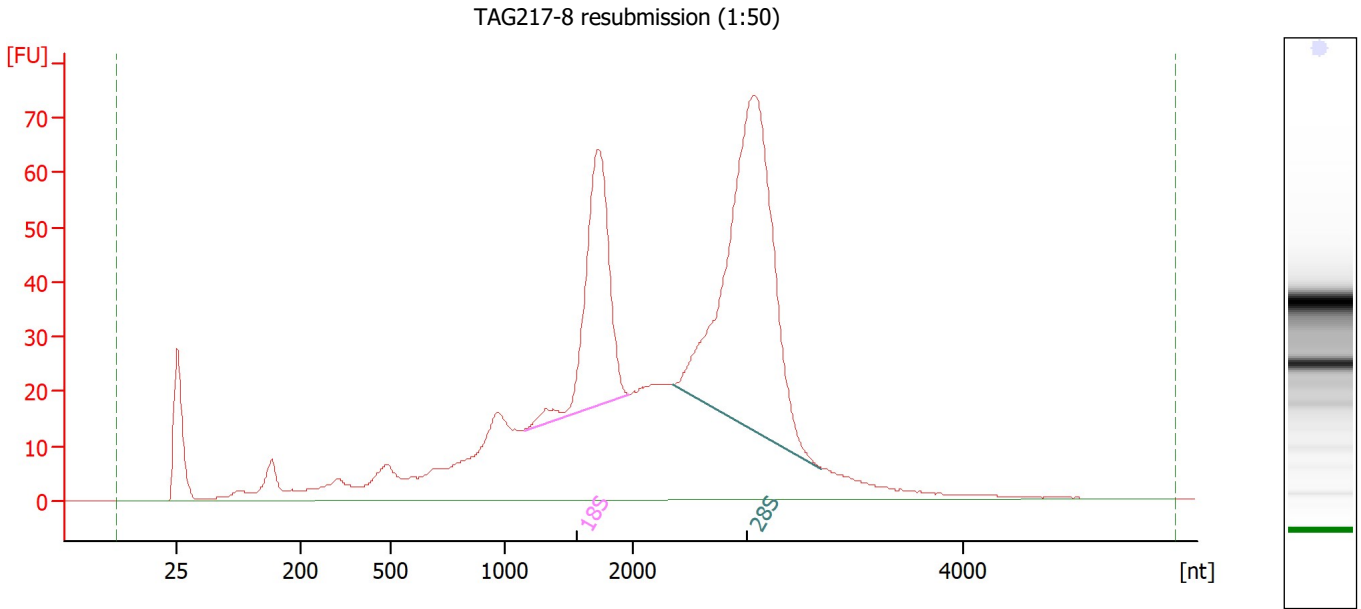
Overall Results for Ladder

| | | | |
|--------------------|-------------|------------------------|---|
| RNA Area: | 290.2 | Result Flagging Color: | |
| RNA Concentration: | 1,000 pg/μl | Result Flagging Label: | All Other Samples |

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Electropherogram Summary Continued ...



Overall Results for sample 6 : TAG217-8 resubmission (1:50)

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 1,189.2 | RNA Integrity Number (RIN): | 8.7 (B.02.10) |
| RNA Concentration: | 4,098 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 2.2 | Result Flagging Label: | RIN: 8.70 |

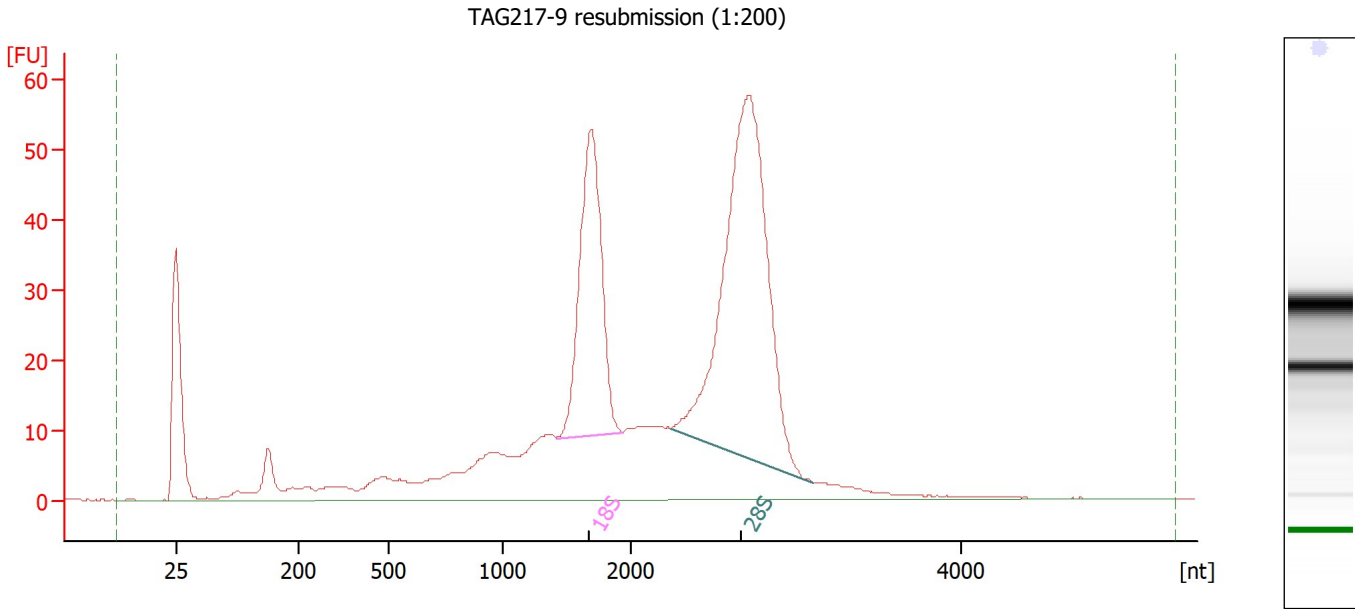
Fragment table for sample 6 : TAG217-8 resubmission (1:50)

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,150 | 1,972 | 143.3 | 12.1 |
| 28S | 2,243 | 3,137 | 313.8 | 26.4 |

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Electropherogram Summary Continued ...



Overall Results for sample 7 : TAG217-9 resubmission (1:200)

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 760.7 | RNA Integrity Number (RIN): | 8.9 (B.02.10) |
| RNA Concentration: | 2,622 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 2.0 | Result Flagging Label: | RIN: 8.90 |

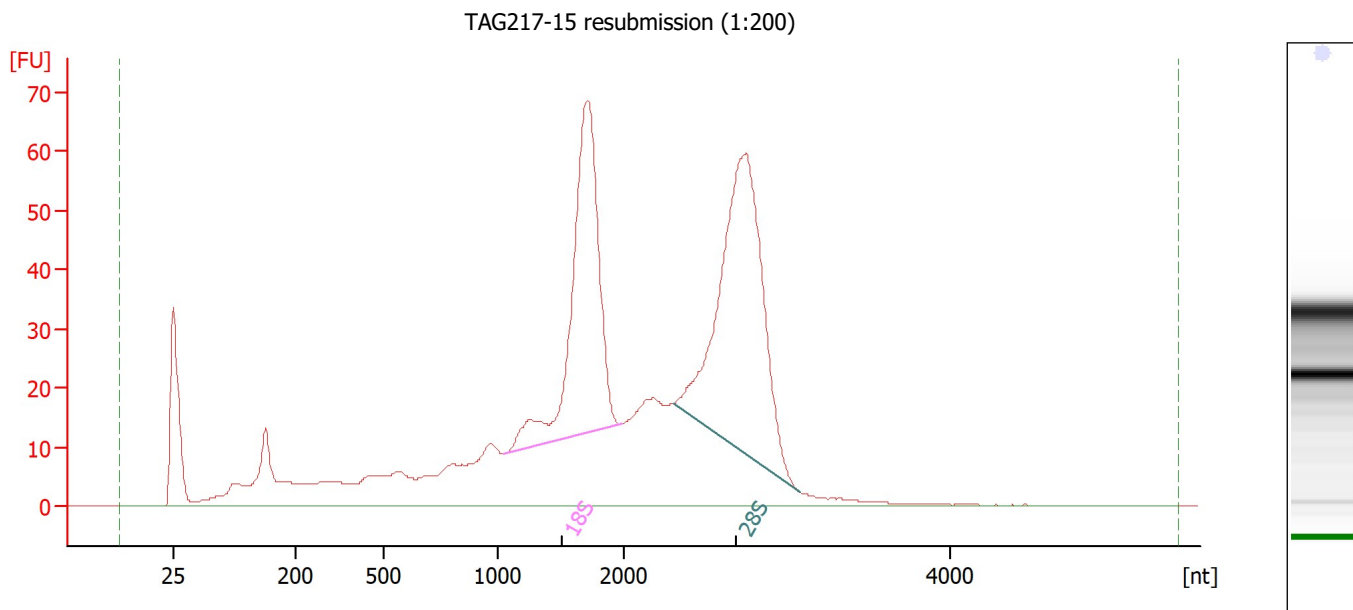
Fragment table for sample 7 : TAG217-9 resubmission (1:200)

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,414 | 1,930 | 124.5 | 16.4 |
| 28S | 2,237 | 3,100 | 247.9 | 32.6 |

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Electropherogram Summary Continued ...



Overall Results for sample 8 : TAG217-15 resubmission (1:200)

RNA Area: 1,051.9 RNA Integrity Number (RIN): 8.8 (B.02.10)
 RNA Concentration: 3,625 pg/μl Result Flagging Color:
 rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 8.80

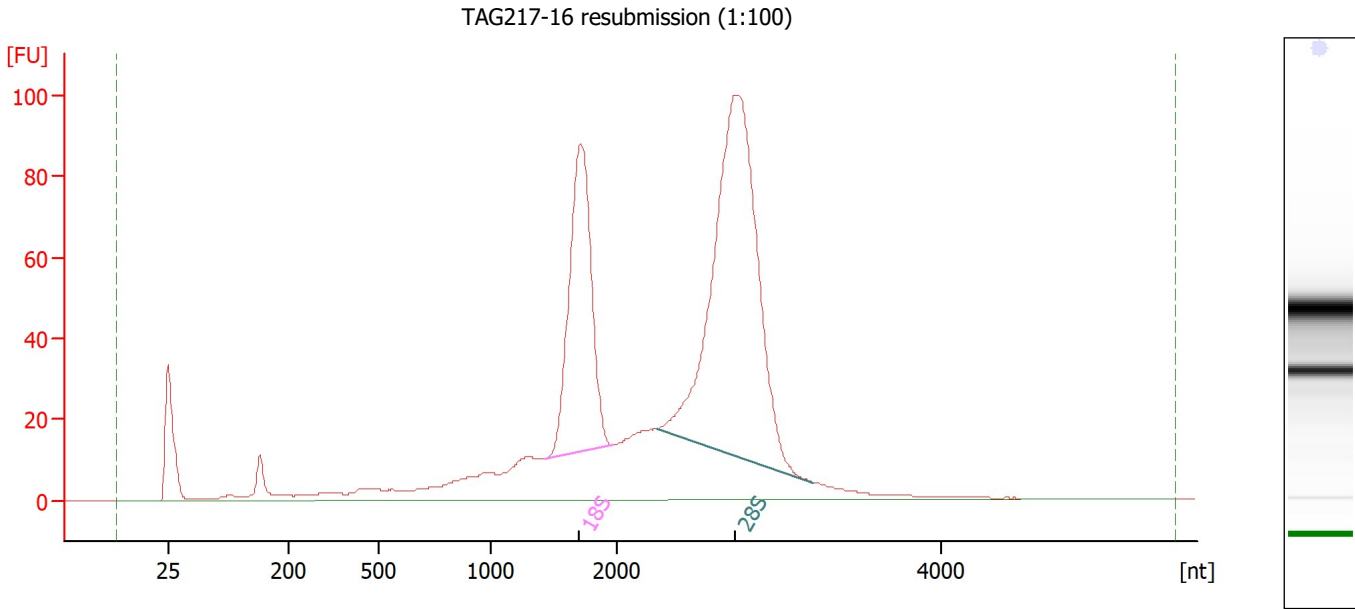
Fragment table for sample 8 : TAG217-15 resubmission (1:200)

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,061 | 1,977 | 196.9 | 18.7 |
| 28S | 2,311 | 3,079 | 242.3 | 23.0 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...otal RNA Pico_2023-06-15_001_TAG217_resubmission_RNA_QC.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : TAG217-16 resubmission (1:100)

RNA Area: 1,191.6 RNA Integrity Number (RIN): 9.5 (B.02.10)
 RNA Concentration: 4,107 pg/μl Result Flagging Color:
 rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 9.50

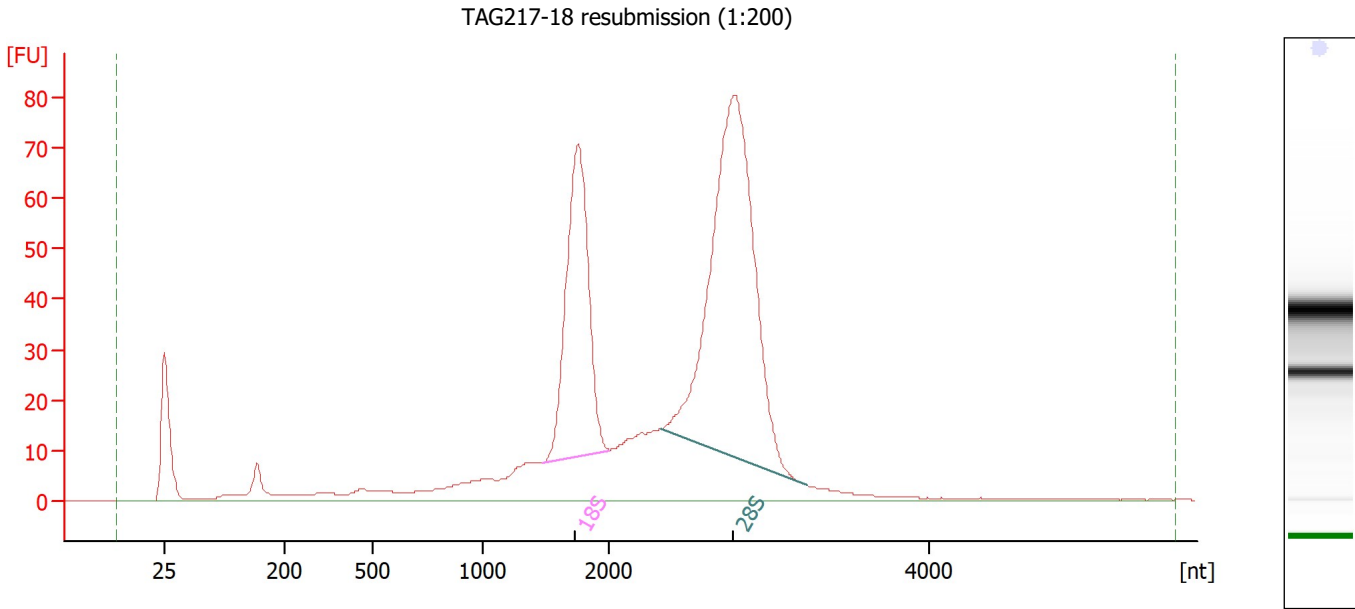
Fragment table for sample 9 : TAG217-16 resubmission (1:100)

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,428 | 1,977 | 223.6 | 18.8 |
| 28S | 2,245 | 3,215 | 448.3 | 37.6 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...otal RNA Pico_2023-06-15_001_TAG217_resubmission_RNA_QC.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : TAG217-18 resubmission (1:200)

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 933.3 | RNA Integrity Number (RIN): | 9.6 (B.02.10) |
| RNA Concentration: | 3,217 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.9 | Result Flagging Label: | RIN: 9.60 |

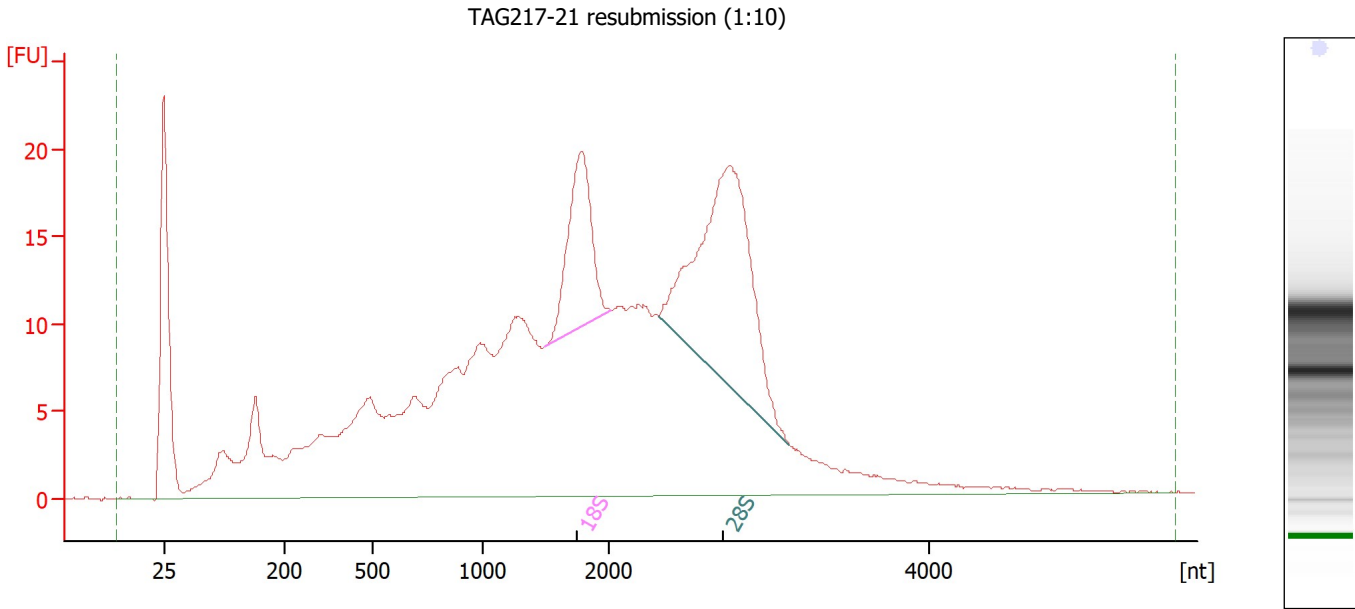
Fragment table for sample 10 : TAG217-18 resubmission (1:200)

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,481 | 2,007 | 182.0 | 19.5 |
| 28S | 2,326 | 3,232 | 351.7 | 37.7 |

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Electropherogram Summary Continued ...



Overall Results for sample 11 : TAG217-21 resubmission (1:10)

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 589.2 | RNA Integrity Number (RIN): | 6.7 (B.02.10) |
| RNA Concentration: | 2,031 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 2.4 | Result Flagging Label: | RIN: 6.70 |

Fragment table for sample 11 : TAG217-21 resubmission (1:10)

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,498 | 2,020 | 31.2 | 5.3 |
| 28S | 2,313 | 3,125 | 74.9 | 12.7 |

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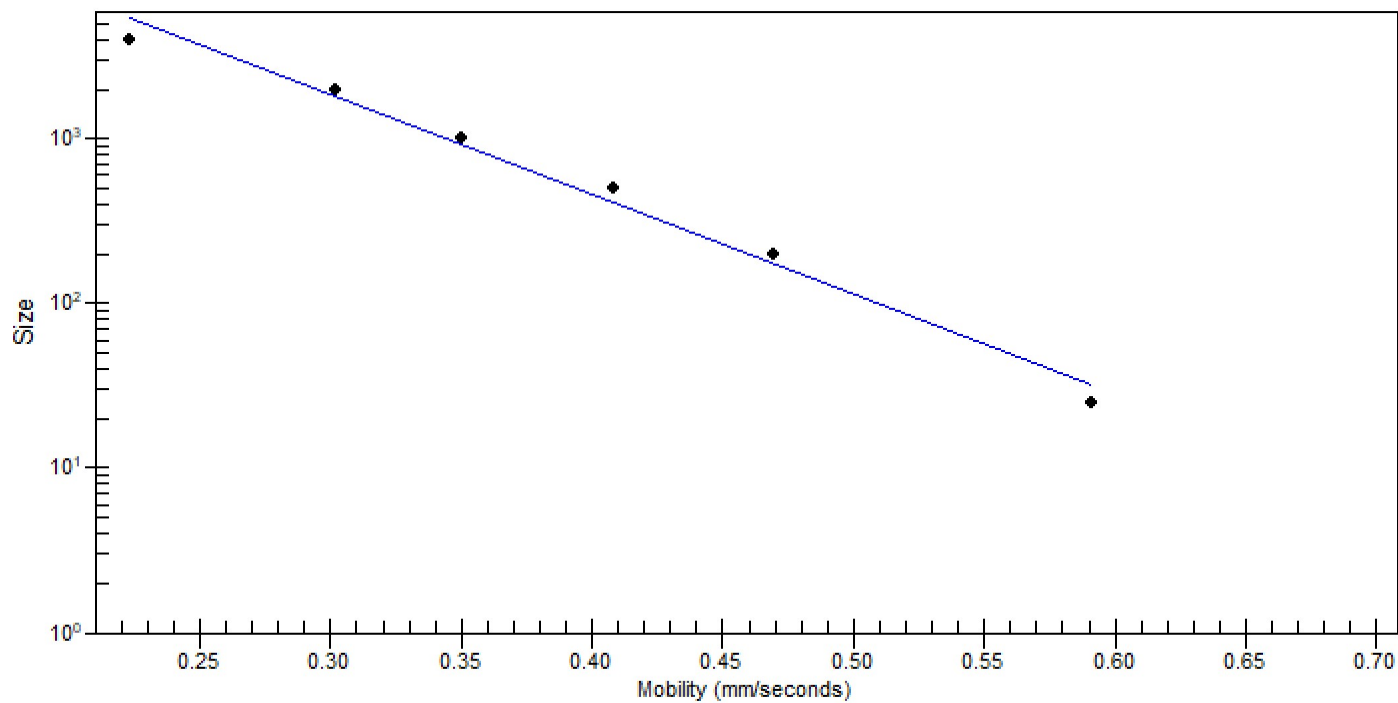
Gel Image

Assay Class: Eukaryote Total RNA Pico
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Curves

Standard Curve



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Run Logbook

| Description | Number | Source | Category | Sub Category | Time | Time Zone | User | Host |
|--|--------|------------|----------|--------------|----------------------|-------------------------------------|---------|------------------|
| Run ended on port 1 (Number of wells acquired: 12) | | Instrument | Run | | 6/15/2023 3:05:00 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-06-15\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-15_001.xad) | | Instrument | Run | | 6/15/2023 2:42:12 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Product Number : G2938C | | Instrument | Run | | 6/15/2023 2:42:12 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Name : | | Instrument | Run | | 6/15/2023 2:42:12 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Vendor : Agilent Technologies | | Instrument | Run | | 6/15/2023 2:42:12 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Serial# : DE34903152 | | Instrument | Run | | 6/15/2023 2:42:12 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Firmware : C.01.069 | | Instrument | Run | | 6/15/2023 2:42:12 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Cartridge : Electrode | | Instrument | Run | | 6/15/2023 2:42:12 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |