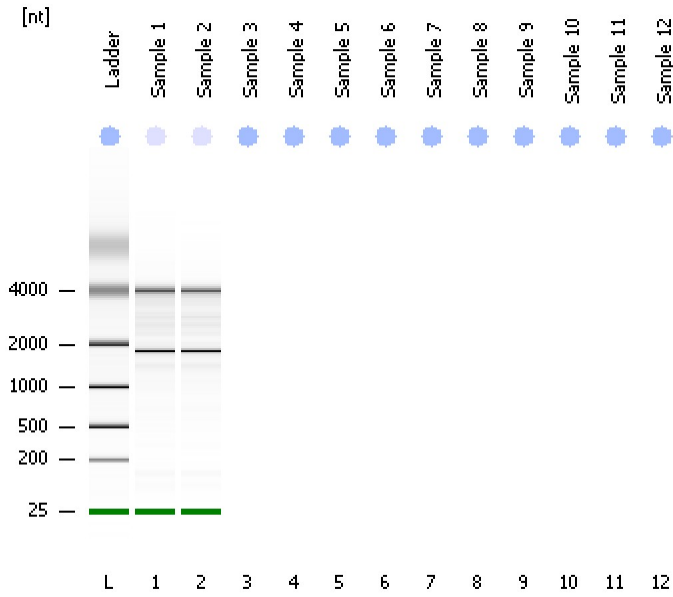


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-17\2014-01-17_002.xad

Created: 1/17/2014 2:31:03 PM
Modified: 1/17/2014 2:41:12 PM

Electrophoresis File Run Summary



Instrument Information:

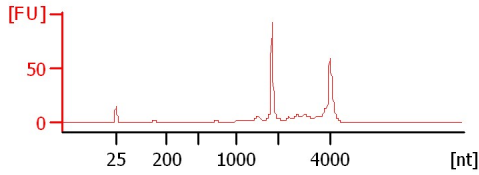
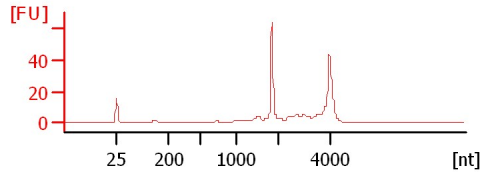
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\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:\...ents and Settings\Bioanalyzer\2014-01-17\2014-01-17_002.xad

Created: 1/17/2014 2:31:03 PM
Modified: 1/17/2014 2:41:12 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Status | Result Label | Result Color |
|-------------|----------------|--------|-------------------|--------------|
| Sample 1 | | ✓ | RIN: 8.90 | |
| Sample 2 | | ✓ | RIN: 8.60 | |
| Sample 3 | | | | |
| Sample 4 | | | | |
| Sample 5 | | | | |
| Sample 6 | | | | |
| Sample 7 | | | | |
| Sample 8 | | | | |
| Sample 9 | | | | |
| Sample 10 | | | | |
| Sample 11 | | | | |
| Sample 12 | | | | |
| Ladder | | ✓ | All Other Samples | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-17\2014-01-17_002.xad

Created: 1/17/2014 2:31:03 PM
Modified: 1/17/2014 2:41:12 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

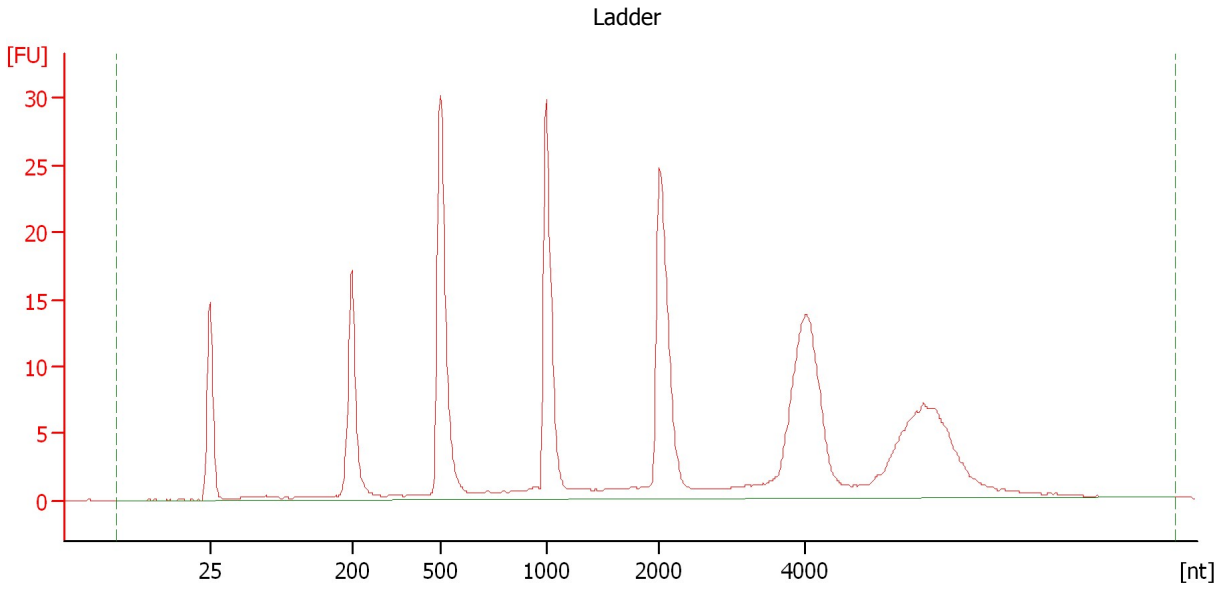
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-17\2014-01-17_002.xad

Created: 1/17/2014 2:31:03 PM
Modified: 1/17/2014 2:41:12 PM

Electropherogram Summary



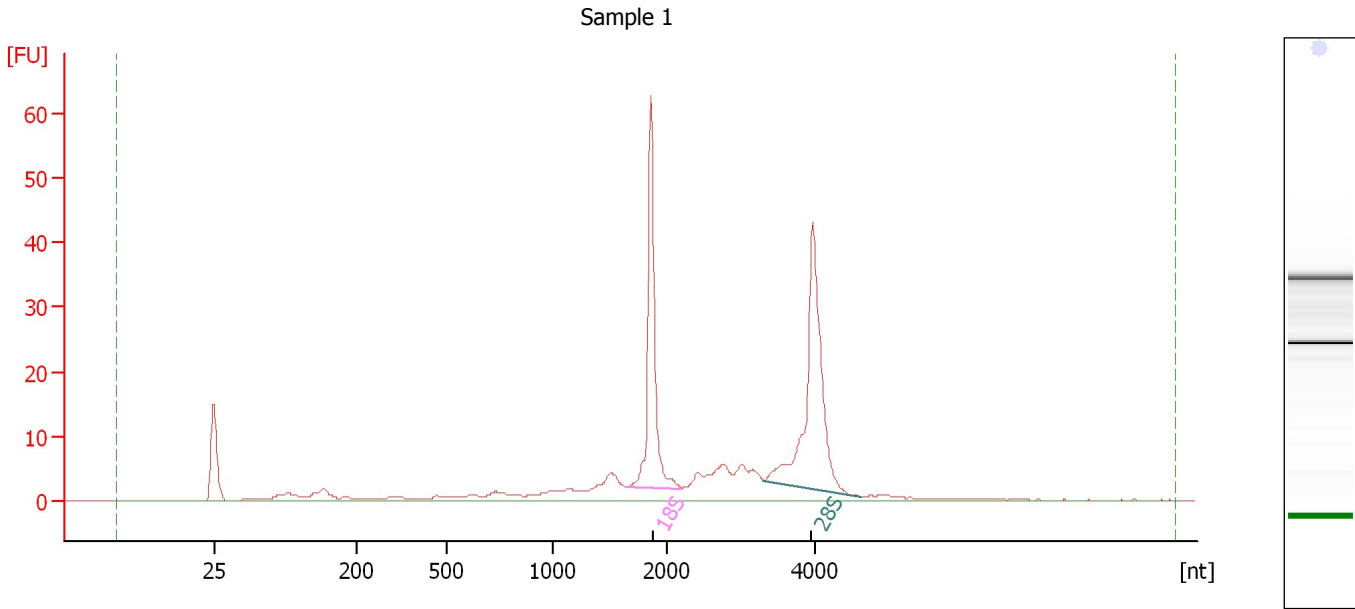
Overall Results for Ladder

| | | | |
|--------------------|-----------|------------------------|---|
| RNA Area: | 242.7 | Result Flagging Color: | |
| RNA Concentration: | 150 ng/μl | Result Flagging Label: | All Other Samples |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-17\2014-01-17_002.xad

Created: 1/17/2014 2:31:03 PM
Modified: 1/17/2014 2:41:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

| | | | |
|-------------------------|-----------|-----------------------------|---|
| RNA Area: | 229.6 | RNA Integrity Number (RIN): | 8.9 (B.02.08) |
| RNA Concentration: | 142 ng/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.2 | Result Flagging Label: | RIN: 8.90 |

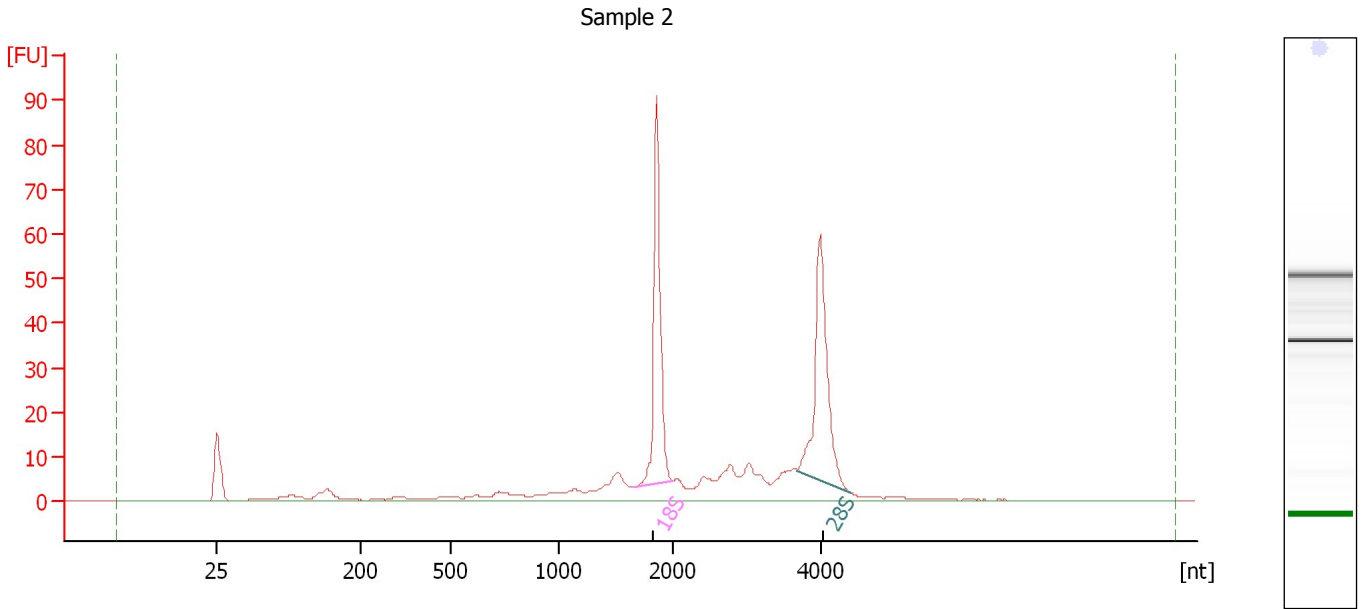
Fragment table for sample 1 : Sample 1

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,639 | 2,181 | 51.5 | 22.4 |
| 28S | 3,304 | 4,631 | 64.3 | 28.0 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-17\2014-01-17_002.xad

Created: 1/17/2014 2:31:03 PM
Modified: 1/17/2014 2:41:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

| | | | |
|-------------------------|-----------|-----------------------------|---|
| RNA Area: | 299.2 | RNA Integrity Number (RIN): | 8.6 (B.02.08) |
| RNA Concentration: | 185 ng/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.0 | Result Flagging Label: | RIN: 8.60 |

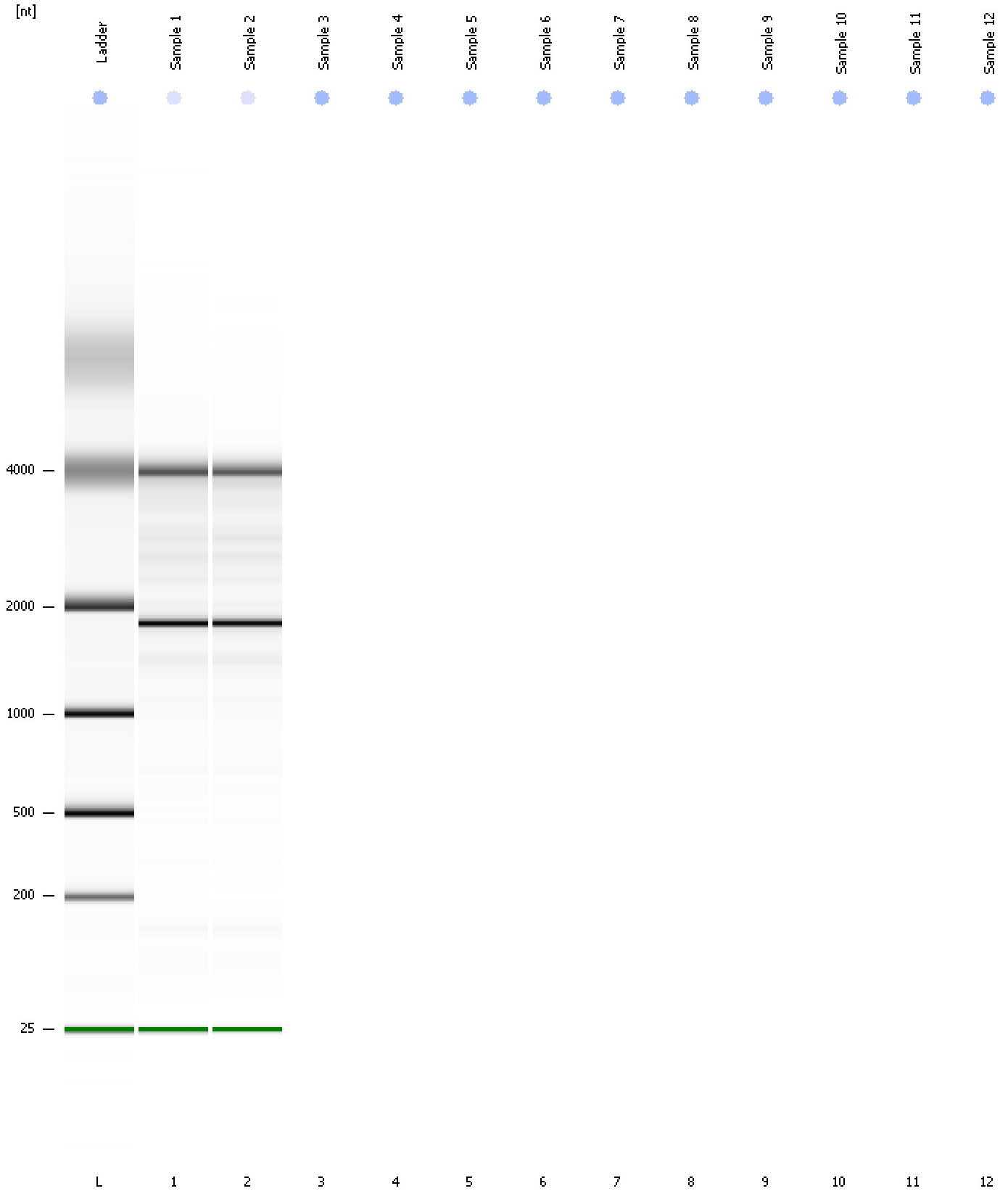
Fragment table for sample 2 : Sample 2

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,663 | 1,998 | 67.9 | 22.7 |
| 28S | 3,678 | 4,403 | 67.5 | 22.5 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-17\2014-01-17_002.xad

Created: 1/17/2014 2:31:03 PM
Modified: 1/17/2014 2:41:12 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-17\2014-01-17_002.xad

Created: 1/17/2014 2:31:03 PM
Modified: 1/17/2014 2:41:12 PM

Invalid Samples

- Sample 3 has not been run, no results available.
- Sample 4 has not been run, no results available.
- Sample 5 has not been run, no results available.
- Sample 6 has not been run, no results available.
- Sample 7 has not been run, no results available.
- Sample 8 has not been run, no results available.
- Sample 9 has not been run, no results available.
- Sample 10 has not been run, no results available.
- Sample 11 has not been run, no results available.
- Sample 12 has not been run, no results available.