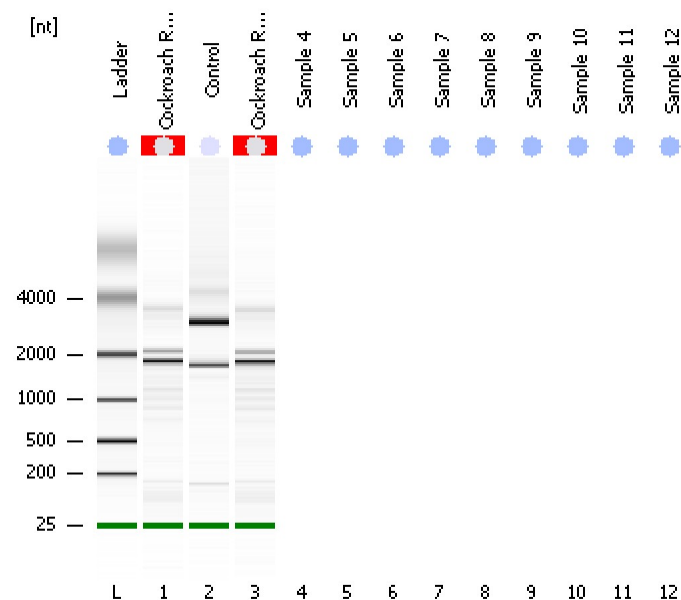


Assay Class: Eukaryote Total RNA Nano  
Data Path: D:\...Eukaryote Total RNA Nano\_DE24802235\_2011-10-18\_20-03-08.xad

Created: 10/18/2011 8:03:08 PM  
Modified: 10/18/2011 8:28:25 PM

**Electrophoresis File Run Summary**Instrument Information:

Instrument Name: Ann's baby Firmware: C.01.069  
Serial#: DE24802235 Type: G2938B

Assay Information:

Assay Origin Path: D:\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)

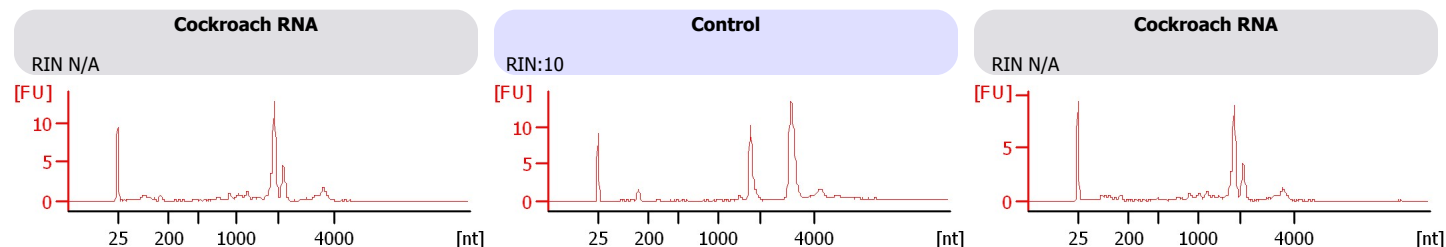
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: D:\...Eukaryote Total RNA Nano\_DE24802235\_2011-10-18\_20-03-08.xad

Created: 10/18/2011 8:03:08 PM  
Modified: 10/18/2011 8:28:25 PM

**Electrophoresis File Run Summary (Chip Summary)**

| Sample Name   | Sample Comment | Status | Result Label      | Result Color |
|---------------|----------------|--------|-------------------|--------------|
| Cockroach RNA |                | ✓      | RIN N/A           |              |
| Control       |                | ✓      | RIN:10            |              |
| Cockroach RNA |                | ✓      | RIN N/A           |              |
| 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: D:\...\Eukaryote Total RNA Nano\_DE24802235\_2011-10-18\_20-03-08.xad

Created: 10/18/2011 8:03:08 PM  
Modified: 10/18/2011 8:28:25 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/ $\mu$ l] : 150  
Lower Marker Concentration [ng/ $\mu$ l] : 0  
Upper Marker Concentration [ng/ $\mu$ 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

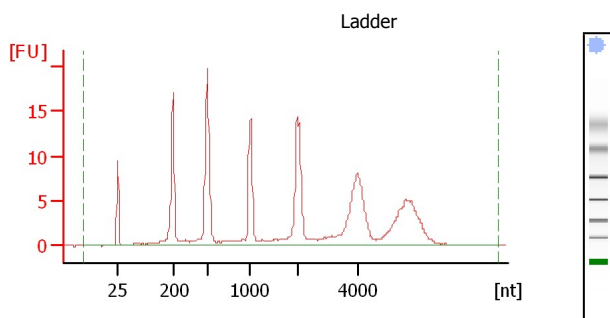
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
 Data Path: D:\...Eukaryote Total RNA Nano\_DE24802235\_2011-10-18\_20-03-08.xad

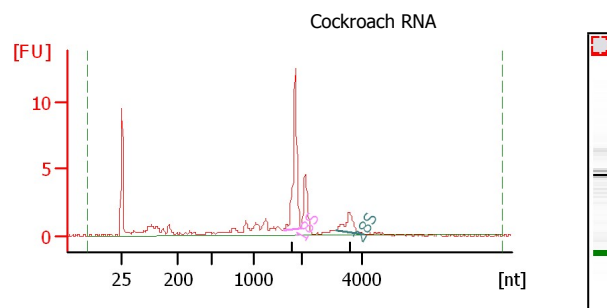
Created: 10/18/2011 8:03:08 PM  
 Modified: 10/18/2011 8:28:25 PM

### Electropherogram Summary



#### Overall Results for Ladder

RNA Area: 190.6  
 RNA Concentration: 150 ng/μl  
 Result Flagging Color:    
 Result Flagging Label: All Other Samples

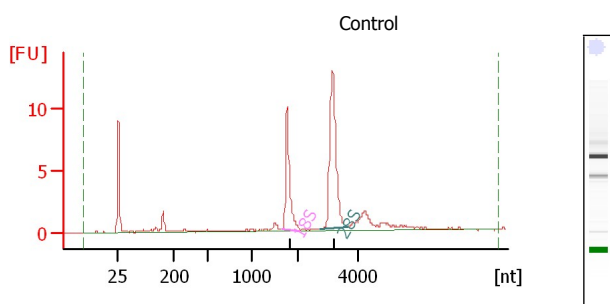


#### Overall Results for sample 1 : Cockroach RNA

RNA Area: 49.0  
 RNA Concentration: 39 ng/μl  
 rRNA Ratio [28s / 18s]: 0.3  
 RNA Integrity Number (RIN): N/A (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN N/A

#### Fragment table for sample 1 : Cockroach RNA

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S  | 1,621           | 2,013         | 14.0 | 28.5            |
| 28S  | 3,152           | 4,055         | 3.6  | 7.3             |

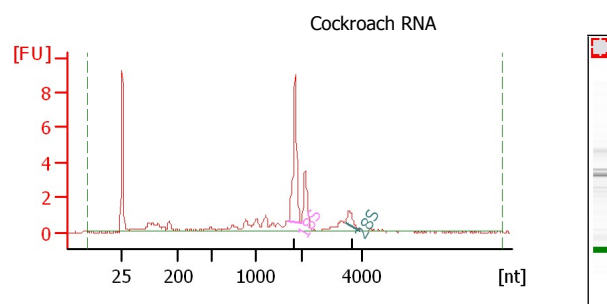


#### Overall Results for sample 2 : Control

RNA Area: 55.7  
 RNA Concentration: 44 ng/μl  
 rRNA Ratio [28s / 18s]: 1.8  
 RNA Integrity Number (RIN): 10 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN:10

#### Fragment table for sample 2 : Control

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S  | 1,659           | 2,084         | 12.6 | 22.6            |
| 28S  | 2,749           | 3,664         | 22.3 | 40.0            |



#### Overall Results for sample 3 : Cockroach RNA

RNA Area: 33.5  
 RNA Concentration: 26 ng/μl  
 rRNA Ratio [28s / 18s]: 0.1  
 RNA Integrity Number (RIN): N/A (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN N/A

#### Fragment table for sample 3 : Cockroach RNA

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S  | 1,704           | 1,982         | 9.5  | 28.4            |
| 28S  | 3,428           | 3,941         | 1.2  | 3.5             |

Assay Class: Eukaryote Total RNA Nano  
Data Path: D:\...Eukaryote Total RNA Nano\_DE24802235\_2011-10-18\_20-03-08.xad

Created: 10/18/2011 8:03:08 PM  
Modified: 10/18/2011 8:28:25 PM

**Gel Image**