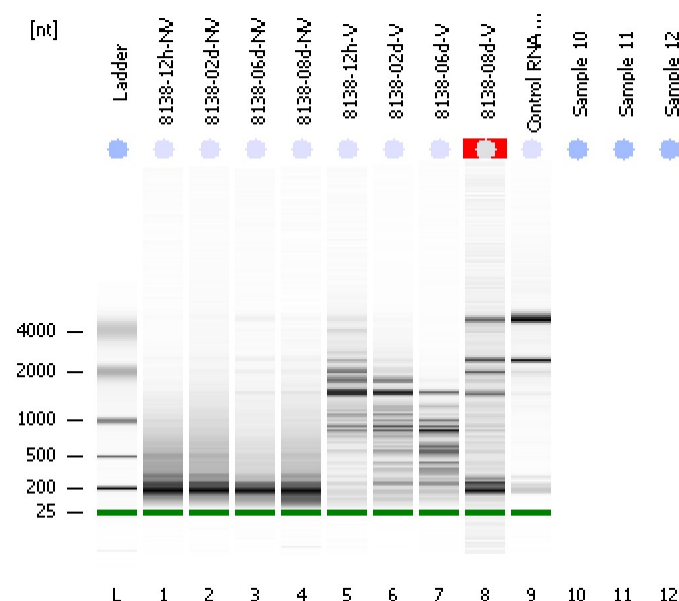


Assay Class: Eukaryote Total RNA Nano  
Data Path: D:\...Eukaryote Total RNA Nano\_DE24802235\_2010-09-22\_18-27-08.xad

Created: 9/22/2010 6:27:08 PM  
Modified: 9/22/2010 6:46:30 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)

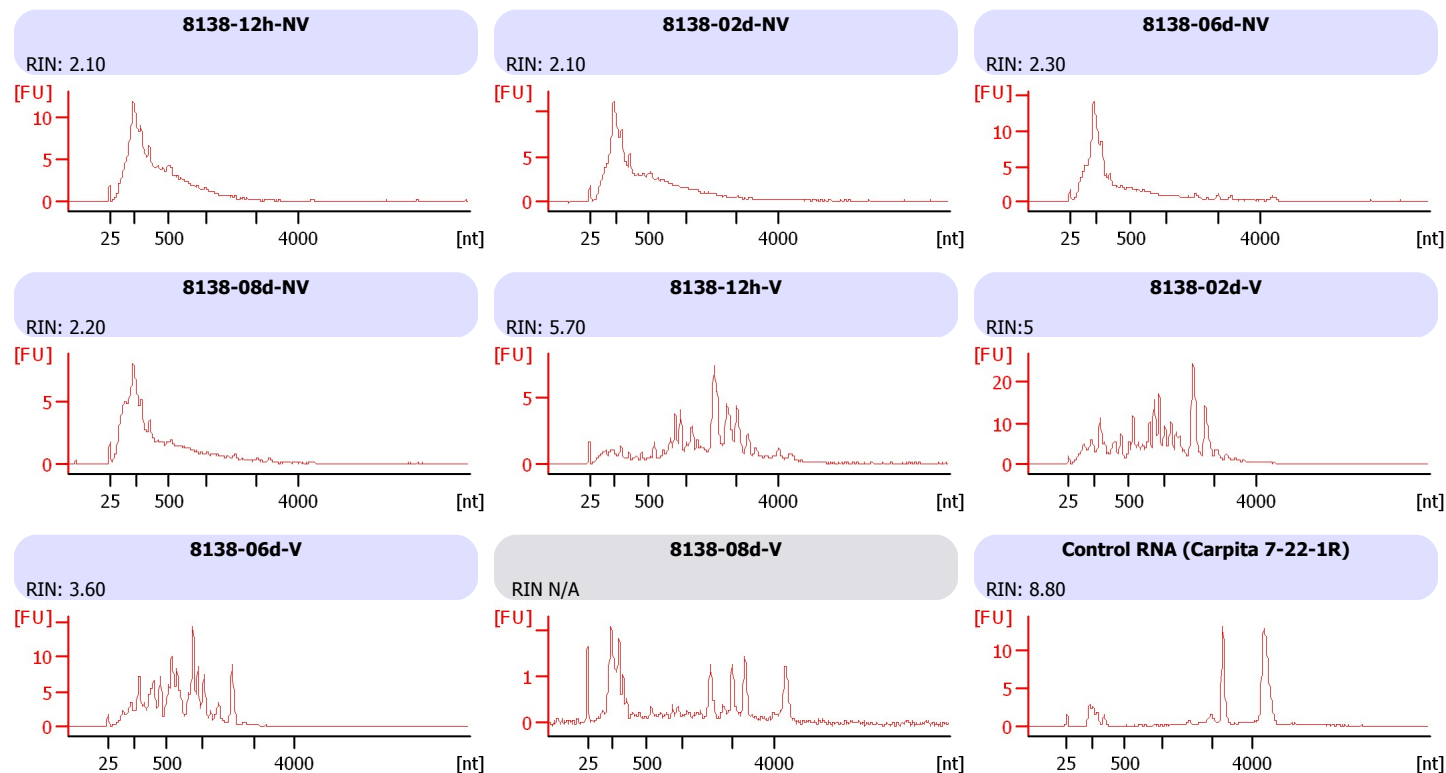
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: D:\...Eukaryote Total RNA Nano\_DE24802235\_2010-09-22\_18-27-08.xad

Created: 9/22/2010 6:27:08 PM  
Modified: 9/22/2010 6:46:30 PM

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

| Sample Name                   | Sample Comment | Status | Result Label | Result Color |
|-------------------------------|----------------|--------|--------------|--------------|
| 8138-12h-NV                   |                | ✓      | RIN: 2.10    |              |
| 8138-02d-NV                   |                | ✓      | RIN: 2.10    |              |
| 8138-06d-NV                   |                | ✓      | RIN: 2.30    |              |
| 8138-08d-NV                   |                | ✓      | RIN: 2.20    |              |
| 8138-12h-V                    |                | ✓      | RIN: 5.70    |              |
| 8138-02d-V                    |                | ✓      | RIN:5        |              |
| 8138-06d-V                    |                | ✓      | RIN: 3.60    |              |
| 8138-08d-V                    |                | ✓      | RIN N/A      |              |
| Control RNA (Carpita 7-22-1R) |                | ✓      | RIN: 8.80    |              |
| Sample 10                     |                |        |              |              |
| Sample 11                     |                |        |              |              |
| Sample 12                     |                |        |              |              |

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: D:\...Eukaryote Total RNA Nano\_DE24802235\_2010-09-22\_18-27-08.xad

Created: 9/22/2010 6:27:08 PM  
Modified: 9/22/2010 6:46:30 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

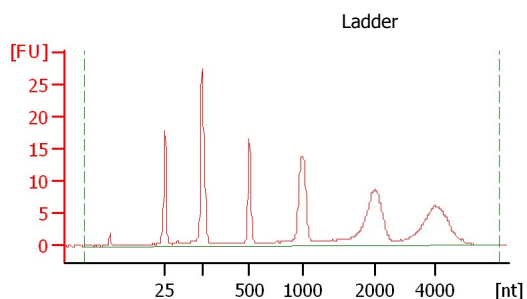
### Ladder

| 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\_2010-09-22\_18-27-08.xad

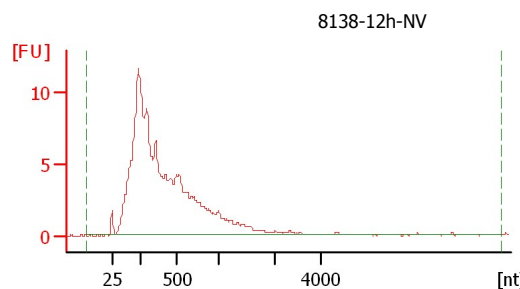
Created: 9/22/2010 6:27:08 PM  
 Modified: 9/22/2010 6:46:30 PM

### Electropherogram Summary



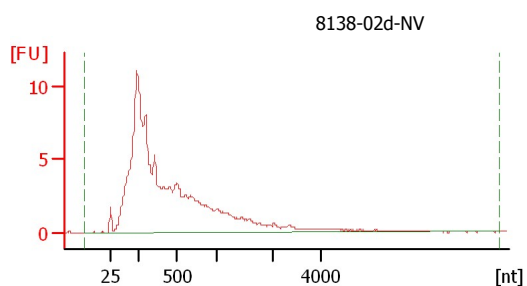
#### Overall Results for Ladder

RNA Area: 200.2  
 RNA Concentration: 150 ng/μl  
 Result Flagging Color:    
 Result Flagging Label: All Other Samples



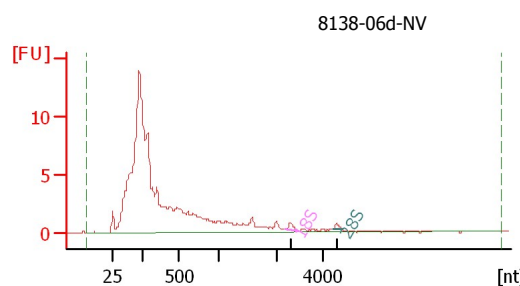
#### Overall Results for sample 1 : 8138-12h-NV

RNA Area: 192.6  
 RNA Concentration: 144 ng/μl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 2.1 (B.02.07)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 2.10



#### Overall Results for sample 2 : 8138-02d-NV

RNA Area: 174.9  
 RNA Concentration: 131 ng/μl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 2.1 (B.02.07)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 2.10



#### Overall Results for sample 3 : 8138-06d-NV

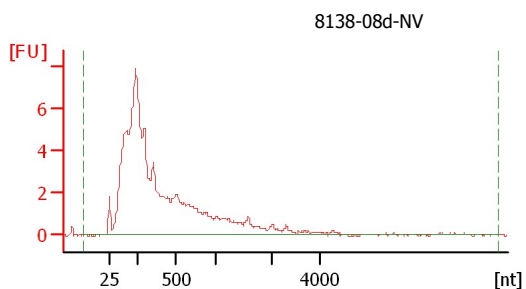
RNA Area: 166.6  
 RNA Concentration: 125 ng/μl  
 rRNA Ratio [28s / 18s]: 0.7  
 RNA Integrity Number (RIN): 2.3 (B.02.07)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 2.30

#### Fragment table for sample 3 : 8138-06d-NV

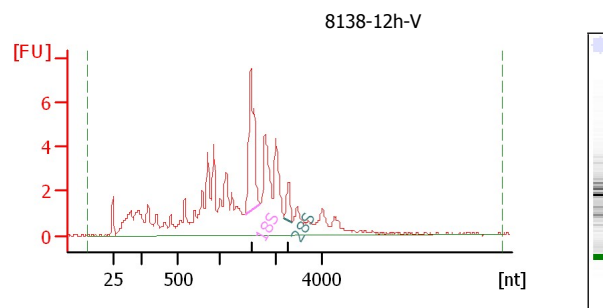
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S  | 2,410           | 2,967         | 0.8  | 0.5             |
| 28S  | 4,458           | 4,835         | 0.6  | 0.3             |

Assay Class: Eukaryote Total RNA Nano  
Data Path: D:\...Eukaryote Total RNA Nano\_DE24802235\_2010-09-22\_18-27-08.xad

Created: 9/22/2010 6:27:08 PM  
Modified: 9/22/2010 6:46:30 PM

**Electropherogram Summary Continued ...****Overall Results for sample 4 : 8138-08d-NV**

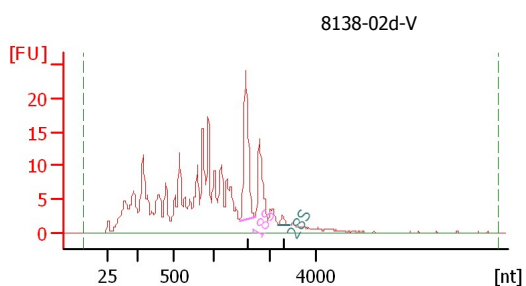
RNA Area: 125.8  
RNA Concentration: 94 ng/μl  
rRNA Ratio [28s / 18s]: 0.0  
RNA Integrity Number (RIN): 2.2 (B.02.07)  
Result Flagging Color:    
Result Flagging Label: RIN: 2.20

**Overall Results for sample 5 : 8138-12h-V**

RNA Area: 103.9  
RNA Concentration: 78 ng/μl  
rRNA Ratio [28s / 18s]: 0.2  
RNA Integrity Number (RIN): 5.7 (B.02.07)  
Result Flagging Color:    
Result Flagging Label: RIN: 5.70

**Fragment table for sample 5 : 8138-12h-V**

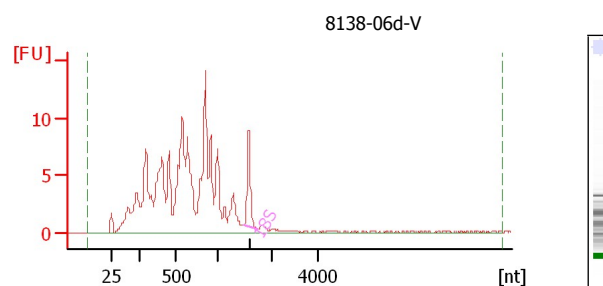
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S  | 1,459           | 1,720         | 12.1 | 11.7            |
| 28S  | 2,352           | 2,731         | 1.8  | 1.8             |

**Overall Results for sample 6 : 8138-02d-V**

RNA Area: 355.2  
RNA Concentration: 266 ng/μl  
rRNA Ratio [28s / 18s]: 0.0  
RNA Integrity Number (RIN): 5 (B.02.07)  
Result Flagging Color:    
Result Flagging Label: RIN: 5

**Fragment table for sample 6 : 8138-02d-V**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S  | 1,462           | 1,732         | 35.8 | 10.1            |
| 28S  | 2,367           | 2,838         | 1.5  | 0.4             |

**Overall Results for sample 7 : 8138-06d-V**

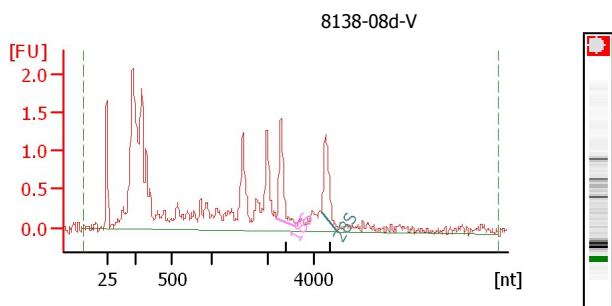
RNA Area: 200.2  
RNA Concentration: 150 ng/μl  
rRNA Ratio [28s / 18s]: 0.0  
RNA Integrity Number (RIN): 3.6 (B.02.07)  
Result Flagging Color:    
Result Flagging Label: RIN: 3.60

**Fragment table for sample 7 : 8138-06d-V**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S  | 1,473           | 1,736         | 10.1 | 5.0             |

Assay Class: Eukaryote Total RNA Nano  
Data Path: D:\...Eukaryote Total RNA Nano\_DE24802235\_2010-09-22\_18-27-08.xad

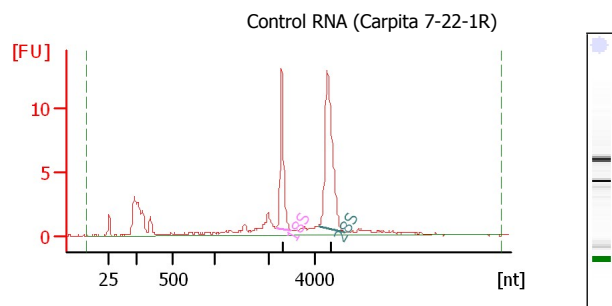
Created: 9/22/2010 6:27:08 PM  
Modified: 9/22/2010 6:46:30 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : 8138-08d-V**

RNA Area: 33.1  
RNA Concentration: 25 ng/μl  
rRNA Ratio [28s / 18s]: 0.9  
RNA Integrity Number (RIN): N/A (B.02.07)  
Result Flagging Color:    
Result Flagging Label: RIN N/A

**Fragment table for sample 8 : 8138-08d-V**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S  | 2,380           | 3,201         | 1.9  | 5.6             |
| 28S  | 4,314           | 5,063         | 1.6  | 5.0             |

**Overall Results for sample 9 : Control RNA (Carpita 7-22-1R)**

RNA Area: 82.4  
RNA Concentration: 62 ng/μl  
rRNA Ratio [28s / 18s]: 1.9  
RNA Integrity Number (RIN): 8.8 (B.02.07)  
Result Flagging Color:    
Result Flagging Label: RIN: 8.80

**Fragment table for sample 9 : Control RNA (Carpita 7-22-1R)**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S  | 2,303           | 2,945         | 13.7 | 16.6            |
| 28S  | 4,191           | 5,346         | 26.1 | 31.7            |

Assay Class: Eukaryote Total RNA Nano  
Data Path: D:\...Eukaryote Total RNA Nano\_DE24802235\_2010-09-22\_18-27-08.xad

Created: 9/22/2010 6:27:08 PM  
Modified: 9/22/2010 6:46:30 PM

**Gel Image**