

Assay Class: Eukaryote Total RNA Nano  
Data Path: D:\...\Eukaryote Total RNA Nano\_DE24802235\_2011-05-02\_17-03-29.xad

Created: 5/2/2011 5:03:30 PM  
Modified: 5/2/2011 5:37:34 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

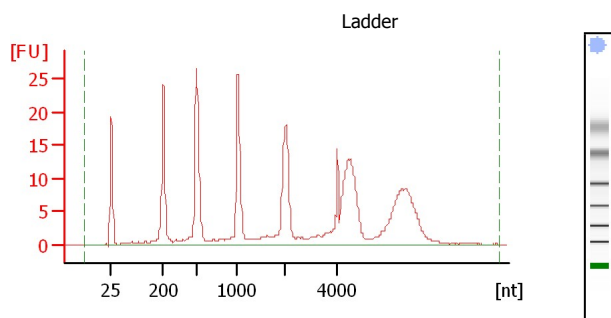
### Ladder

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

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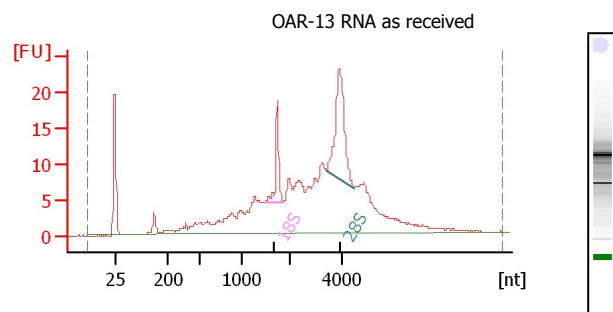
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### Electropherogram Summary



#### Overall Results for Ladder

RNA Area: 307.5  
RNA Concentration: 150 ng/μl  
Result Flagging Color:    
Result Flagging Label: All Other Samples

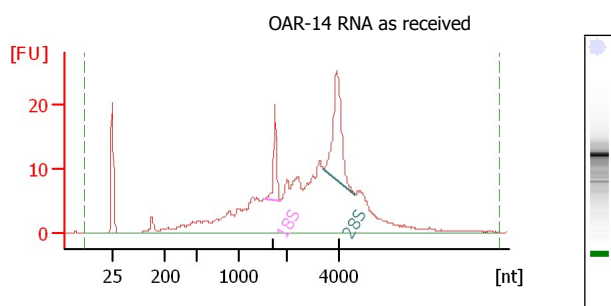


#### Overall Results for sample 1 : OAR-13 RNA as received

RNA Area: 334.9  
RNA Concentration: 163 ng/μl  
rRNA Ratio [28s / 18s]: 2.6  
RNA Integrity Number (RIN): 6.1 (B.02.07)  
Result Flagging Color:    
Result Flagging Label: RIN: 6.10

#### Fragment table for sample 1 : OAR-13 RNA as received

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,506	1,861	14.3	4.3
28S	3,429	4,516	37.7	11.3

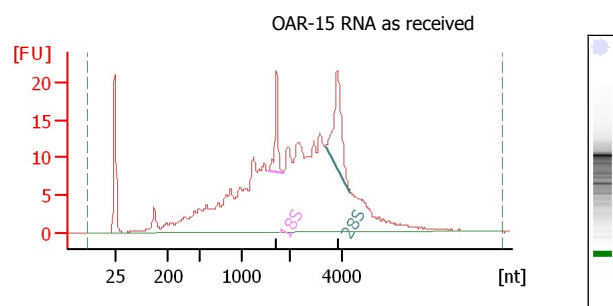


#### Overall Results for sample 2 : OAR-14 RNA as received

RNA Area: 350.1  
RNA Concentration: 171 ng/μl  
rRNA Ratio [28s / 18s]: 2.9  
RNA Integrity Number (RIN): 5.9 (B.02.07)  
Result Flagging Color:    
Result Flagging Label: RIN: 5.90

#### Fragment table for sample 2 : OAR-14 RNA as received

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,516	1,854	13.9	4.0
28S	3,394	4,625	39.6	11.3



#### Overall Results for sample 3 : OAR-15 RNA as received

RNA Area: 430.2  
RNA Concentration: 210 ng/μl  
rRNA Ratio [28s / 18s]: 2.1  
RNA Integrity Number (RIN): 4.8 (B.02.07)  
Result Flagging Color:    
Result Flagging Label: RIN: 4.80

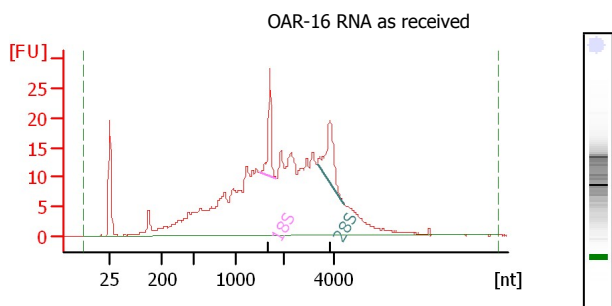
#### Fragment table for sample 3 : OAR-15 RNA as received

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,540	1,861	13.2	3.1
28S	3,380	4,353	28.0	6.5

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### Electropherogram Summary Continued ...

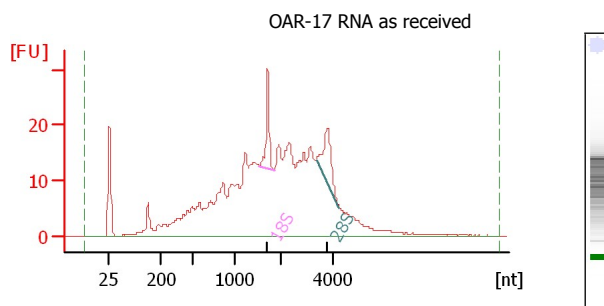


#### Overall Results for sample 4 : OAR-16 RNA as received

RNA Area: 500.0  
 RNA Concentration: 244 ng/μl  
 rRNA Ratio [28s / 18s]: 1.3  
 RNA Integrity Number (RIN): 4.4 (B.02.07)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 4.40

#### Fragment table for sample 4 : OAR-16 RNA as received

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,526	1,858	18.1	3.6
28S	3,336	4,349	23.4	4.7

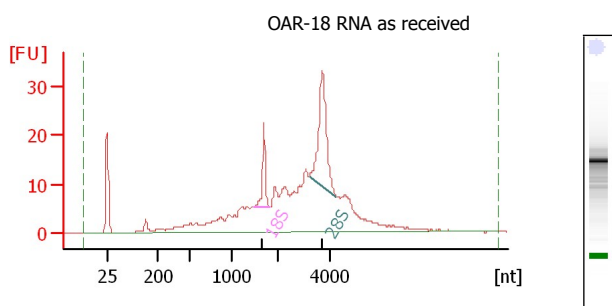


#### Overall Results for sample 5 : OAR-17 RNA as received

RNA Area: 582.0  
 RNA Concentration: 284 ng/μl  
 rRNA Ratio [28s / 18s]: 1.3  
 RNA Integrity Number (RIN): 4.1 (B.02.07)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 4.10

#### Fragment table for sample 5 : OAR-17 RNA as received

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,530	1,846	17.5	3.0
28S	3,341	4,245	22.7	3.9

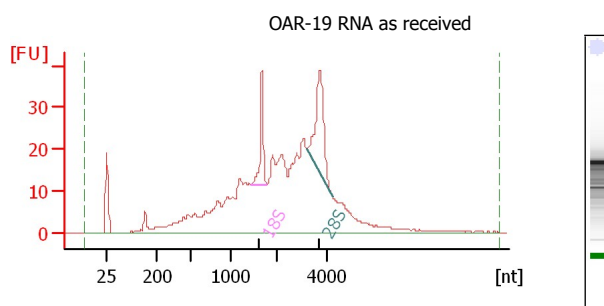


#### Overall Results for sample 6 : OAR-18 RNA as received

RNA Area: 392.2  
 RNA Concentration: 191 ng/μl  
 rRNA Ratio [28s / 18s]: 3.2  
 RNA Integrity Number (RIN): 6.4 (B.02.07)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 6.40

#### Fragment table for sample 6 : OAR-18 RNA as received

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,480	1,817	16.4	4.2
28S	3,230	4,273	53.3	13.6



#### Overall Results for sample 7 : OAR-19 RNA as received

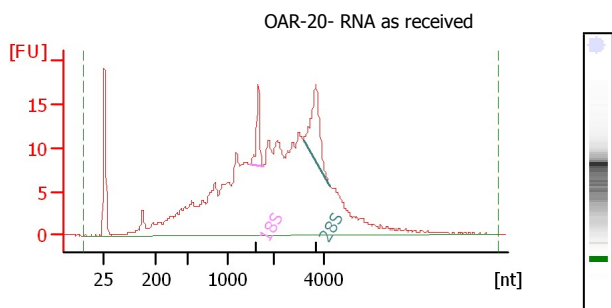
RNA Area: 662.6  
 RNA Concentration: 323 ng/μl  
 rRNA Ratio [28s / 18s]: 2.0  
 RNA Integrity Number (RIN): 5.5 (B.02.07)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 5.50

#### Fragment table for sample 7 : OAR-19 RNA as received

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,439	1,786	28.1	4.2
28S	3,184	4,184	57.3	8.7

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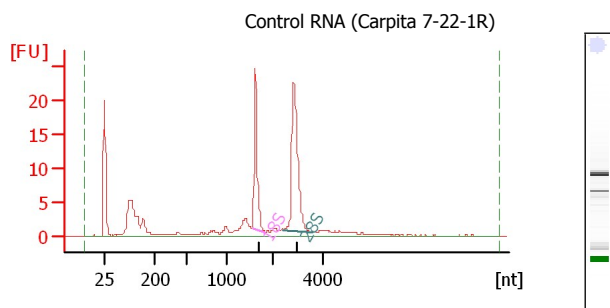
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**Electropherogram Summary Continued ...****Overall Results for sample 8 : OAR-20- RNA as received**

RNA Area: 417.1  
RNA Concentration: 203 ng/μl  
rRNA Ratio [28s / 18s]: 2.4  
RNA Integrity Number (RIN): 4.2 (B.02.07)  
Result Flagging Color:    
Result Flagging Label: RIN: 4.20

**Fragment table for sample 8 : OAR-20- RNA as received**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,504	1,783	9.4	2.3
28S	3,171	4,245	22.4	5.4

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

RNA Area: 146.0  
RNA Concentration: 71 ng/μl  
rRNA Ratio [28s / 18s]: 1.7  
RNA Integrity Number (RIN): 9 (B.02.07)  
Result Flagging Color:    
Result Flagging Label: RIN: 9

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

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,555	1,834	23.8	16.3
28S	2,432	3,612	41.0	28.1