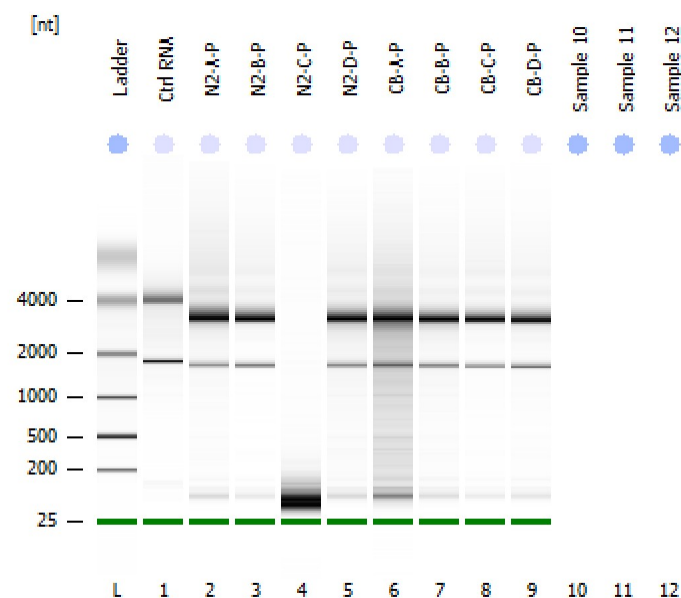


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE13805855\_2016-12-27\_10-55-13.xad

Created: 12/27/2016 10:55:12 AM  
Modified: 12/27/2016 11:15:03 AM

### Electrophoresis File Run Summary



#### Instrument Information:

Instrument Name: DE13805855  
Serial#: DE13805855

Firmware: C.01.069  
Type: G2939A

#### Assay Information:

Assay Origin Path: C:\Program Files (x86)\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)

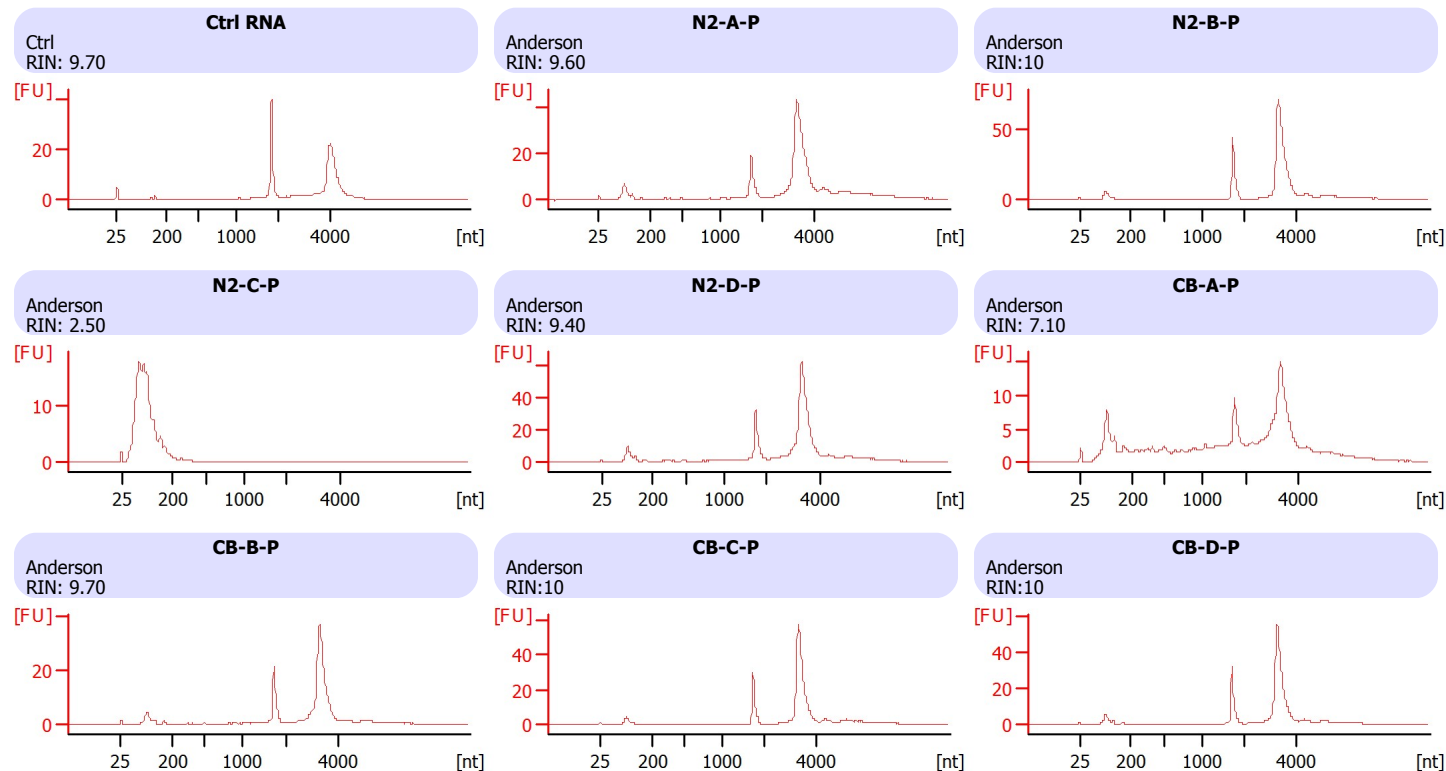
© Copyright 2003 - 2009 Agilent Technologies, Inc.

#### Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE13805855\_2016-12-27\_10-55-13.xad

Created: 12/27/2016 10:55:12 AM  
Modified: 12/27/2016 11:15:03 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
Ctrl RNA	Ctrl	✓	RIN: 9.70	
N2-A-P	Anderson	✓	RIN: 9.60	
N2-B-P	Anderson	✓	RIN:10	
N2-C-P	Anderson	✓	RIN: 2.50	
N2-D-P	Anderson	✓	RIN: 9.40	
CB-A-P	Anderson	✓	RIN: 7.10	
CB-B-P	Anderson	✓	RIN: 9.70	
CB-C-P	Anderson	✓	RIN:10	
CB-D-P	Anderson	✓	RIN:10	
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:\...Eukaryote Total RNA Nano\_DE13805855\_2016-12-27\_10-55-13.xad

Created: 12/27/2016 10:55:12 AM  
Modified: 12/27/2016 11:15:03 AM

## 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

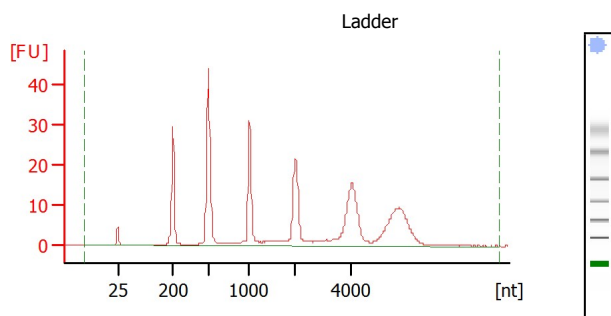
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE13805855\_2016-12-27\_10-55-13.xad

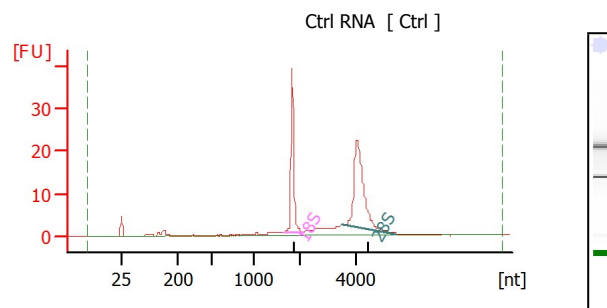
Created: 12/27/2016 10:55:12 AM  
 Modified: 12/27/2016 11:15:03 AM

## Electropherogram Summary



### Overall Results for Ladder

RNA Area: 303.5  
 RNA Concentration: 150 ng/μl  
 Result Flagging Color:    
 Result Flagging Label: All Other Samples

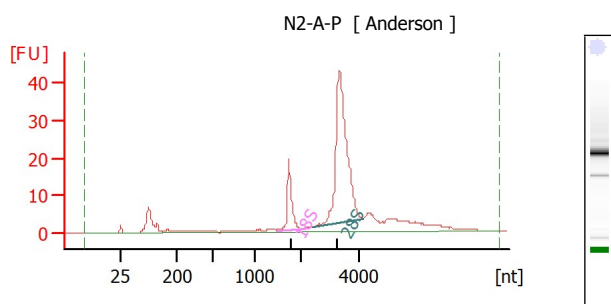


### Overall Results for sample 1 : Ctrl RNA

RNA Area: 142.0  
 RNA Concentration: 70 ng/μl  
 rRNA Ratio [28s / 18s]: 1.5  
 RNA Integrity Number (RIN): 9.7 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.70

### Fragment table for sample 1 : Ctrl RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,636	2,136	34.6	24.3
28S	3,503	5,421	53.3	37.5

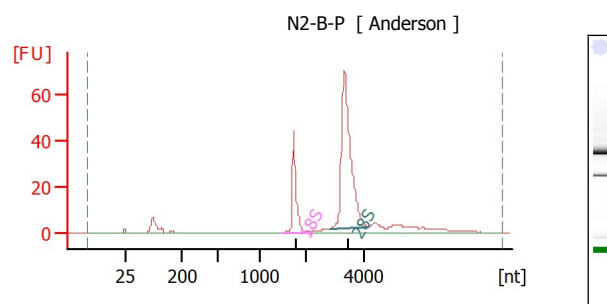


### Overall Results for sample 2 : N2-A-P

RNA Area: 280.2  
 RNA Concentration: 138 ng/μl  
 rRNA Ratio [28s / 18s]: 4.9  
 RNA Integrity Number (RIN): 9.6 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.60

### Fragment table for sample 2 : N2-A-P

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,463	2,098	24.9	8.9
28S	2,421	4,171	121.4	43.3



### Overall Results for sample 3 : N2-B-P

RNA Area: 319.2  
 RNA Concentration: 158 ng/μl  
 rRNA Ratio [28s / 18s]: 3.5  
 RNA Integrity Number (RIN): 10 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 10

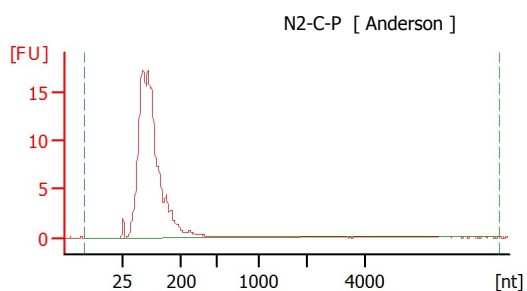
### Fragment table for sample 3 : N2-B-P

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,469	2,145	48.7	15.3
28S	2,817	4,162	169.2	53.0

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE13805855\_2016-12-27\_10-55-13.xad

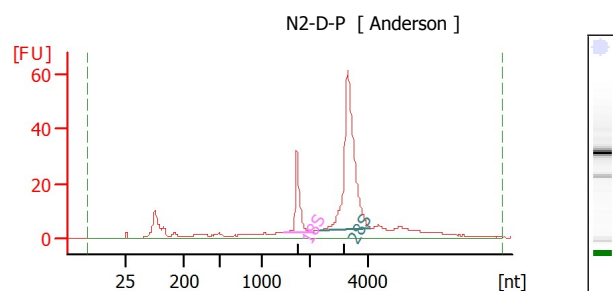
Created: 12/27/2016 10:55:12 AM  
 Modified: 12/27/2016 11:15:03 AM

### Electropherogram Summary Continued ...



#### Overall Results for sample 4 : N2-C-P

RNA Area: 175.4  
 RNA Concentration: 87 ng/μl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 2.5 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 2.50

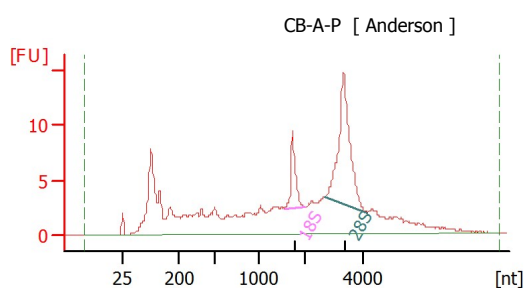


#### Overall Results for sample 5 : N2-D-P

RNA Area: 382.7  
 RNA Concentration: 189 ng/μl  
 rRNA Ratio [28s / 18s]: 4.4  
 RNA Integrity Number (RIN): 9.4 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.40

#### Fragment table for sample 5 : N2-D-P

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,450	2,048	36.7	9.6
28S	2,338	4,106	159.7	41.7

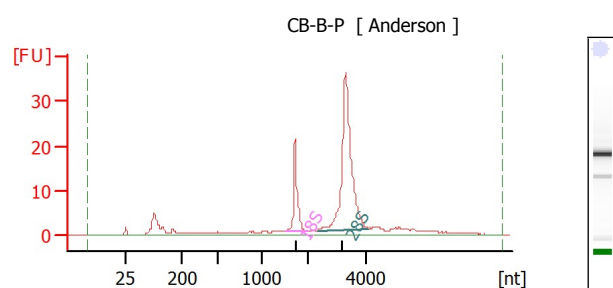


#### Overall Results for sample 6 : CB-A-P

RNA Area: 232.9  
 RNA Concentration: 115 ng/μl  
 rRNA Ratio [28s / 18s]: 3.8  
 RNA Integrity Number (RIN): 7.1 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 7.10

#### Fragment table for sample 6 : CB-A-P

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,563	1,974	9.6	4.1
28S	2,686	4,141	36.8	15.8



#### Overall Results for sample 7 : CB-B-P

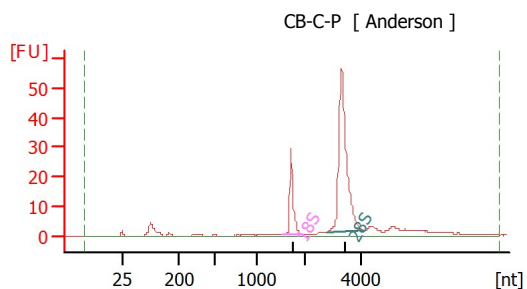
RNA Area: 194.1  
 RNA Concentration: 96 ng/μl  
 rRNA Ratio [28s / 18s]: 4.0  
 RNA Integrity Number (RIN): 9.7 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.70

#### Fragment table for sample 7 : CB-B-P

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,536	2,002	22.0	11.4
28S	2,351	4,097	87.9	45.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE13805855\_2016-12-27\_10-55-13.xad

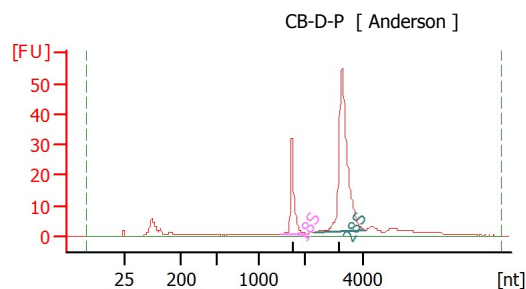
Created: 12/27/2016 10:55:12 AM  
Modified: 12/27/2016 11:15:03 AM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : CB-C-P**

RNA Area: 227.4  
RNA Concentration: 112 ng/μl  
rRNA Ratio [28s / 18s]: 4.0  
RNA Integrity Number (RIN): 10 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN:10

**Fragment table for sample 8 : CB-C-P**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,534	1,982	29.6	13.0
28S	2,788	4,057	116.9	51.4

**Overall Results for sample 9 : CB-D-P**

RNA Area: 252.8  
RNA Concentration: 125 ng/μl  
rRNA Ratio [28s / 18s]: 3.5  
RNA Integrity Number (RIN): 10 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN:10

**Fragment table for sample 9 : CB-D-P**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,478	2,043	34.4	13.6
28S	2,306	4,089	121.4	48.0

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE13805855\_2016-12-27\_10-55-13.xad

Created: 12/27/2016 10:55:12 AM  
Modified: 12/27/2016 11:15:03 AM

### Invalid Samples

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.