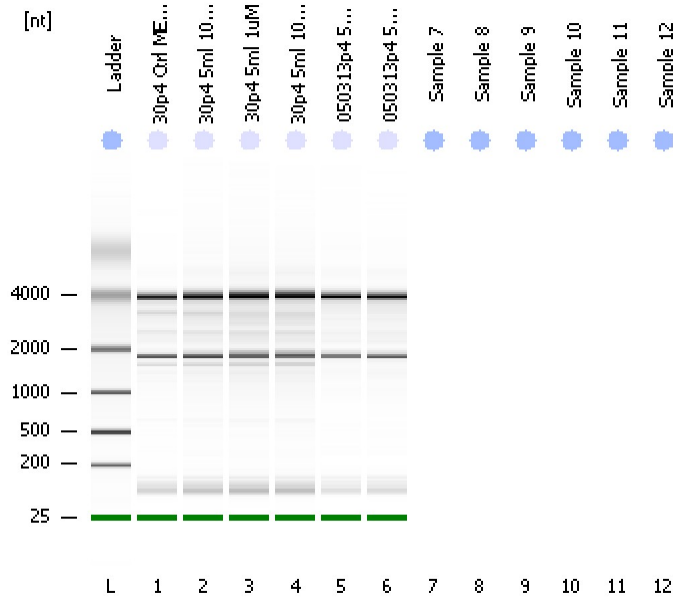


Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_002.xad

Created: 10/7/2013 12:00:15 PM  
 Modified: 10/7/2013 12:18:25 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

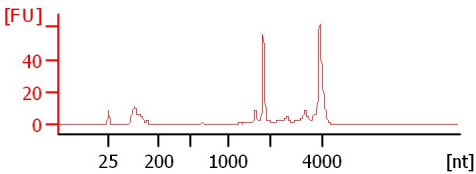
Assay Information:

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.

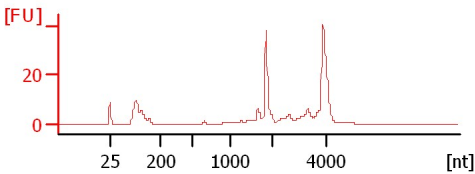
Chip Information:

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

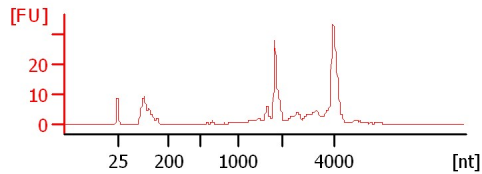
**30p4 Ctrl MEMa**  
 RIN: 8.90



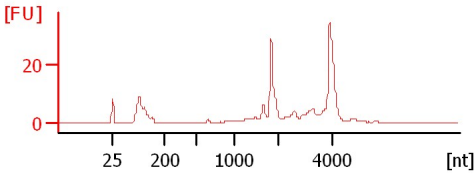
**30p4 5ml 100nM**  
 RIN: 8.60



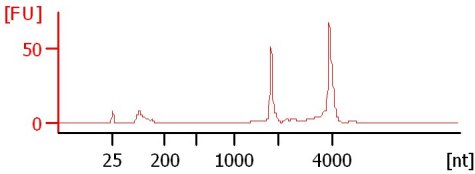
**30p4 5ml 1uM**  
 RIN: 8.50



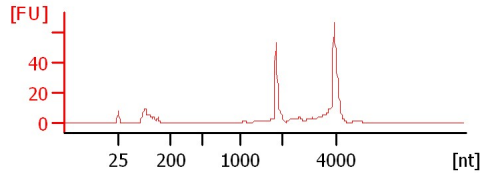
**30p4 5ml 10uM**  
 RIN: 8.50



**050313p4 5ml 100nM**  
 RIN: 9.60



**050313p4 5ml 1uM**  
 RIN: 9.10



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_002.xad

Created: 10/7/2013 12:00:15 PM  
 Modified: 10/7/2013 12:18:25 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
30p4 Ctrl MEMa		✓	RIN: 8.90	
30p4 5ml 100nM		✓	RIN: 8.60	
30p4 5ml 1uM		✓	RIN: 8.50	
30p4 5ml 10uM		✓	RIN: 8.50	
050313p4 5ml 100nM		✓	RIN: 9.60	
050313p4 5ml 1uM		✓	RIN: 9.10	
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\2013-10-07\2013-10-07\_002.xad

Created: 10/7/2013 12:00:15 PM  
Modified: 10/7/2013 12:18:25 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

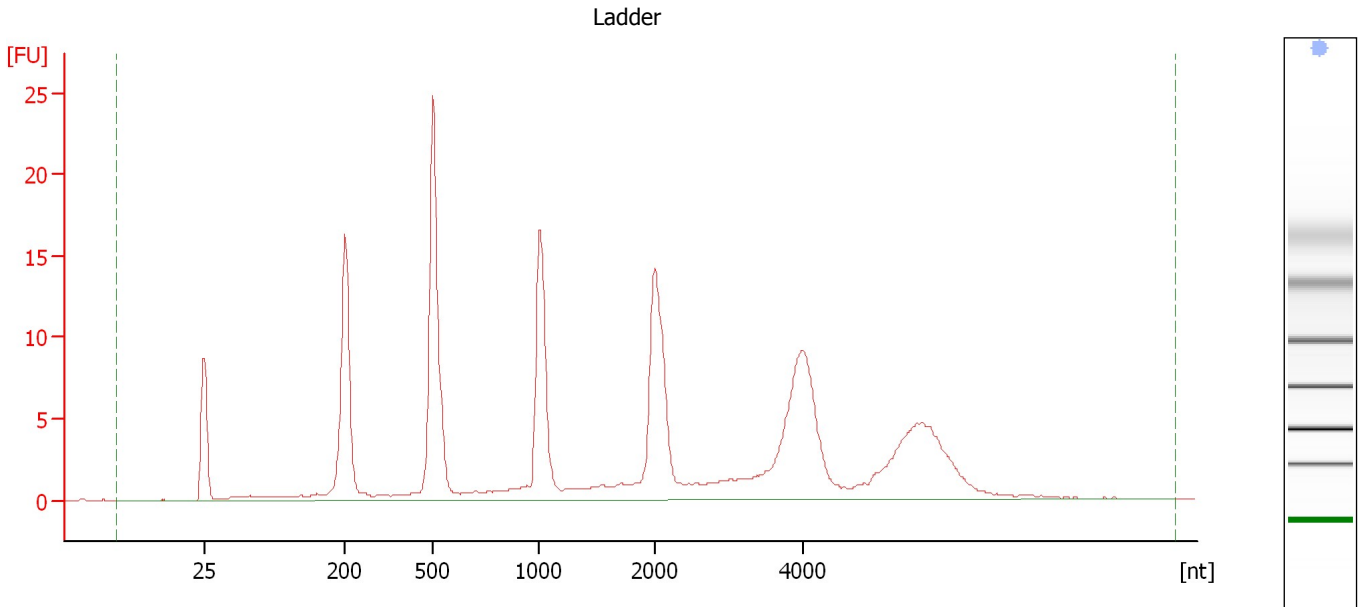
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_002.xad

Created: 10/7/2013 12:00:15 PM  
Modified: 10/7/2013 12:18:25 PM

**Electropherogram Summary**



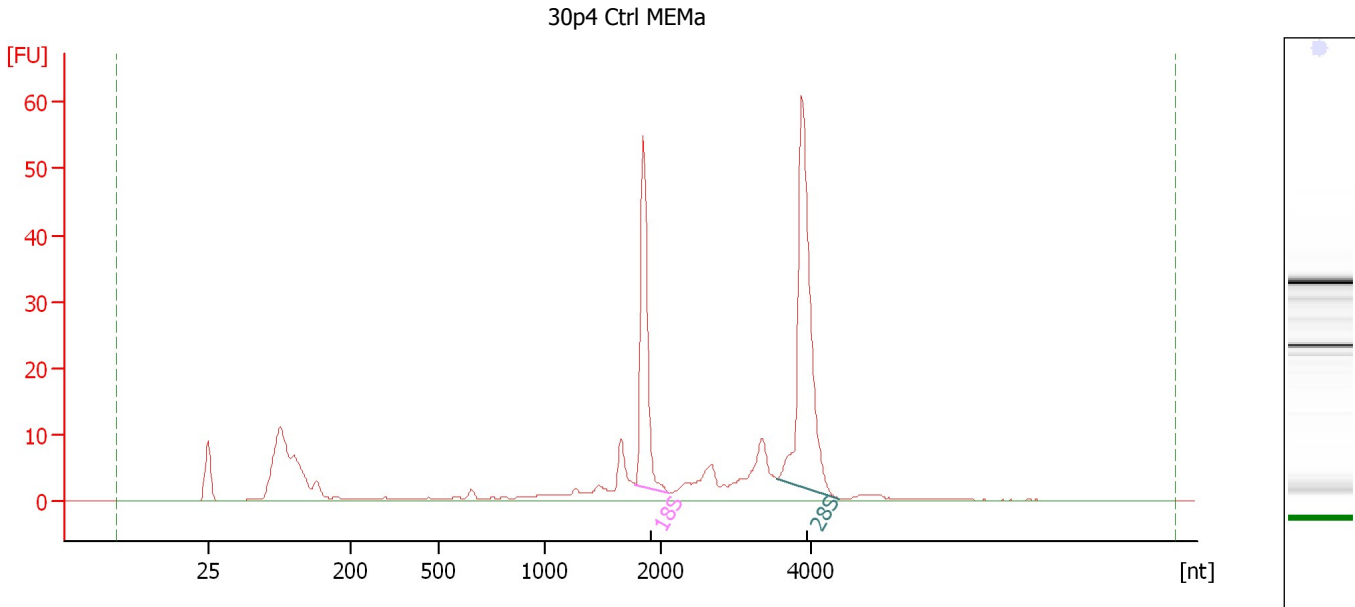
**Overall Results for Ladder**

RNA Area:	196.2	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_002.xad

Created: 10/7/2013 12:00:15 PM  
Modified: 10/7/2013 12:18:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 30p4 Ctrl MEMa**

RNA Area: 262.0                      RNA Integrity Number (RIN): 8.9 (B.02.08)  
RNA Concentration: 200 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.8              Result Flagging Label: RIN: 8.90

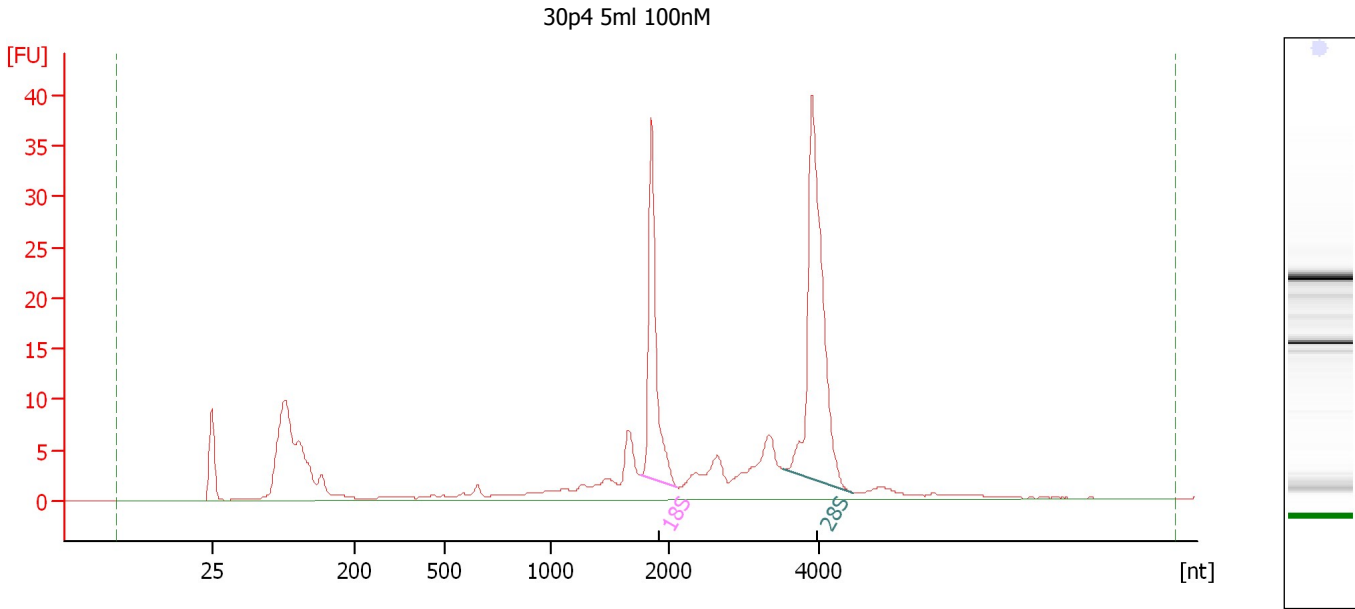
**Fragment table for sample 1 : 30p4 Ctrl MEMa**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,774	2,090	42.2	16.1
28S	3,559	4,380	73.8	28.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_002.xad

Created: 10/7/2013 12:00:15 PM  
Modified: 10/7/2013 12:18:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 30p4 5ml 100nM**

RNA Area: 221.9                      RNA Integrity Number (RIN): 8.6 (B.02.08)  
RNA Concentration: 170 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.7              Result Flagging Label: RIN: 8.60

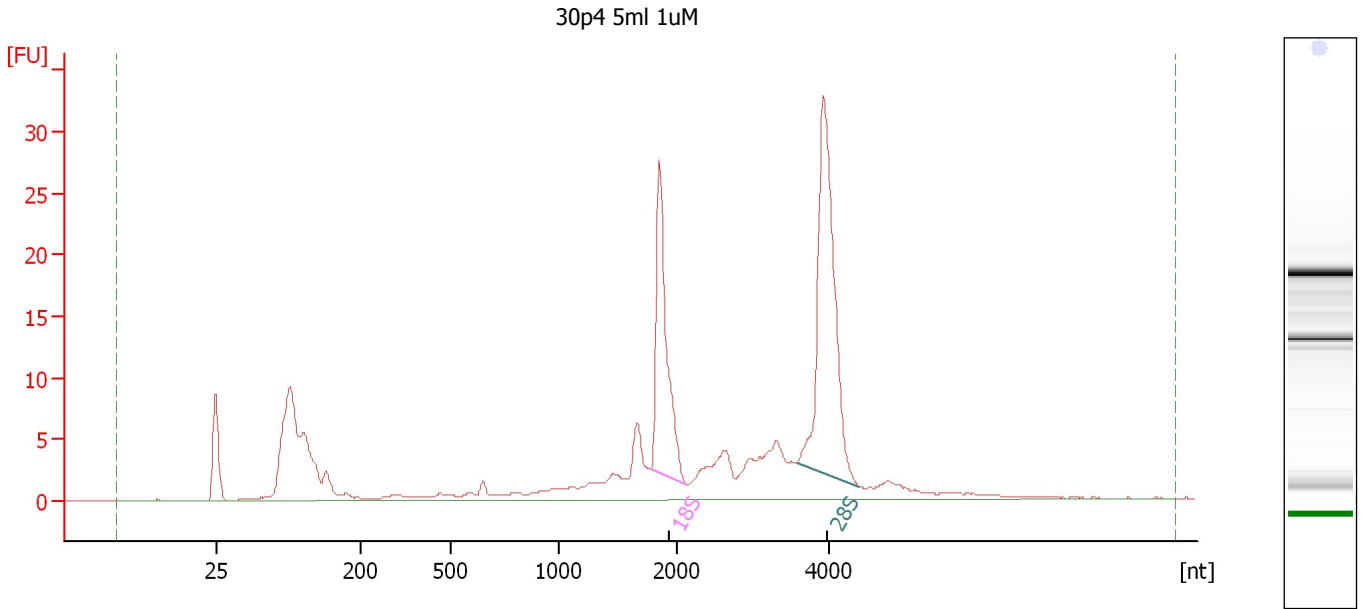
**Fragment table for sample 2 : 30p4 5ml 100nM**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,762	2,096	32.9	14.8
28S	3,524	4,438	57.2	25.8

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_002.xad

Created: 10/7/2013 12:00:15 PM  
Modified: 10/7/2013 12:18:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 30p4 5ml 1uM**

RNA Area: 219.1                      RNA Integrity Number (RIN): 8.5 (B.02.08)  
RNA Concentration: 168 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.7              Result Flagging Label: RIN: 8.50

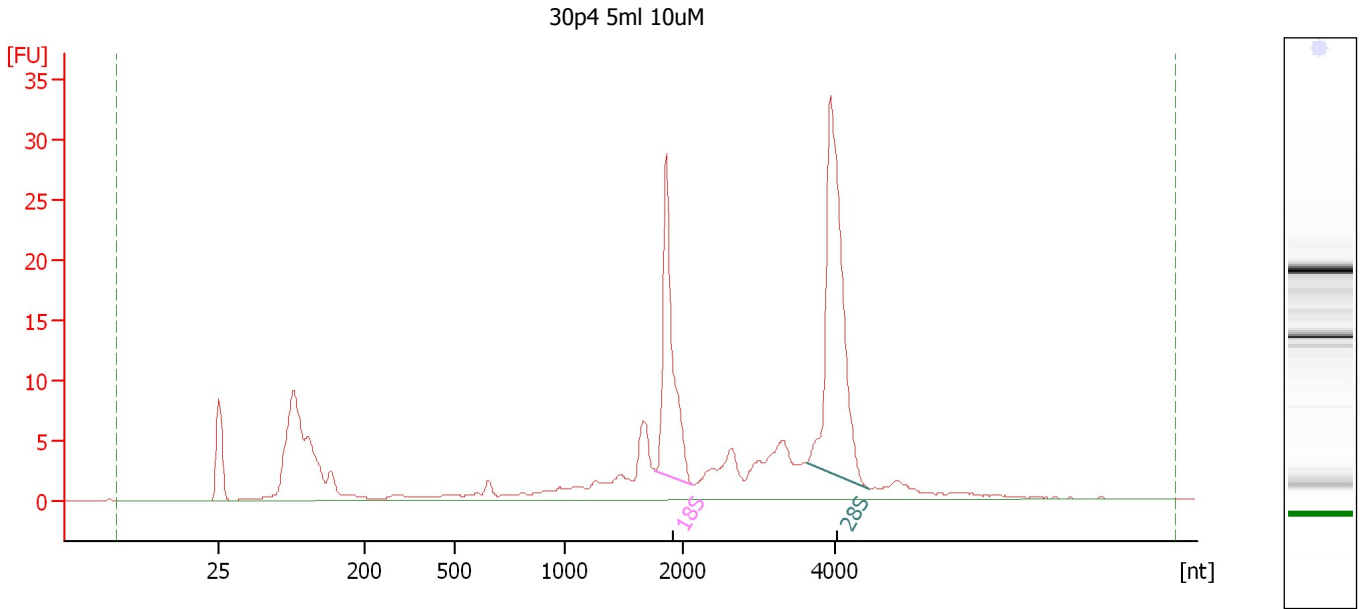
**Fragment table for sample 3 : 30p4 5ml 1uM**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,768	2,115	30.3	13.8
28S	3,574	4,409	51.2	23.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_002.xad

Created: 10/7/2013 12:00:15 PM  
Modified: 10/7/2013 12:18:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 30p4 5ml 10uM**

RNA Area: 221.5                      RNA Integrity Number (RIN): 8.5 (B.02.08)  
RNA Concentration: 169 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.7              Result Flagging Label: RIN: 8.50

**Fragment table for sample 4 : 30p4 5ml 10uM**

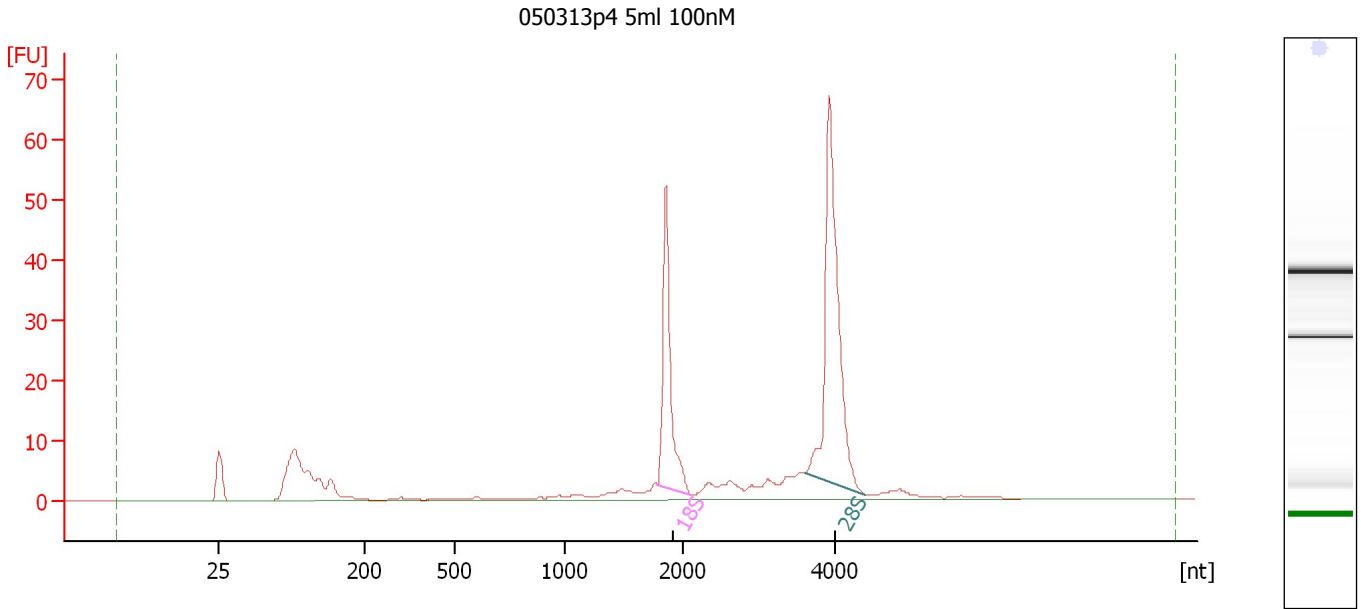
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,763	2,119	30.4	13.7
28S	3,611	4,427	51.3	23.1



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_002.xad

Created: 10/7/2013 12:00:15 PM  
Modified: 10/7/2013 12:18:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 050313p4 5ml 100nM**

RNA Area: 253.3 RNA Integrity Number (RIN): 9.6 (B.02.08)  
RNA Concentration: 194 ng/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 9.60

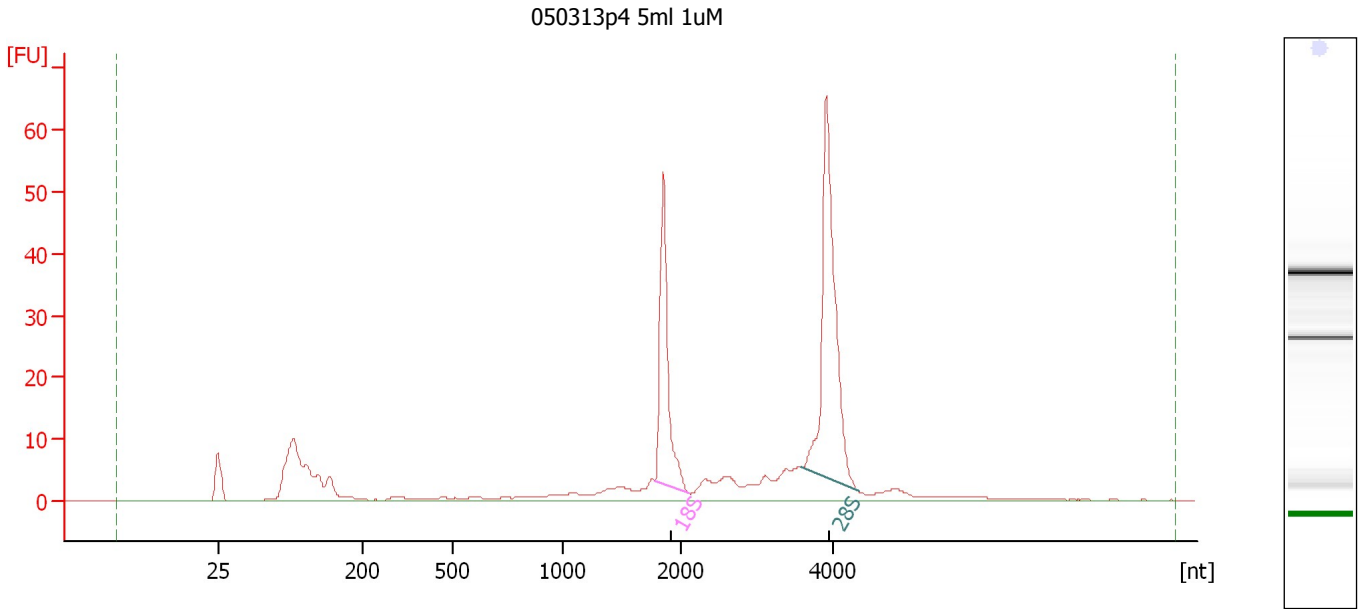
**Fragment table for sample 5 : 050313p4 5ml 100nM**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,781	2,105	46.0	18.2
28S	3,583	4,385	83.2	32.8

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_002.xad

Created: 10/7/2013 12:00:15 PM  
Modified: 10/7/2013 12:18:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 050313p4 5ml 1uM**

RNA Area: 277.4 RNA Integrity Number (RIN): 9.1 (B.02.08)  
RNA Concentration: 212 ng/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 9.10

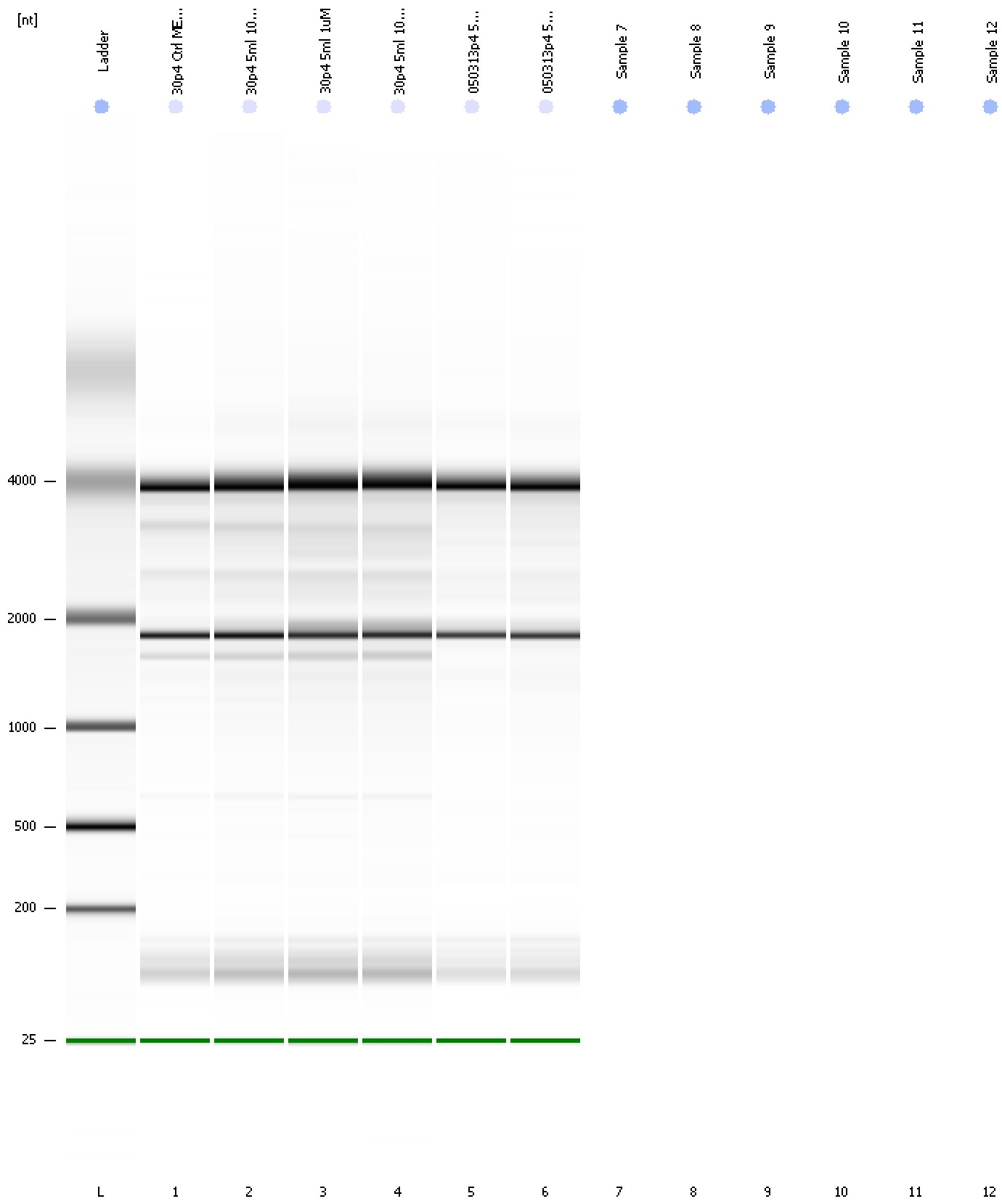
**Fragment table for sample 6 : 050313p4 5ml 1uM**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,780	2,104	45.7	16.5
28S	3,584	4,332	81.2	29.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_002.xad

Created: 10/7/2013 12:00:15 PM  
Modified: 10/7/2013 12:18:25 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_002.xad

Created: 10/7/2013 12:00:15 PM  
Modified: 10/7/2013 12:18:25 PM

**Invalid Samples**

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.