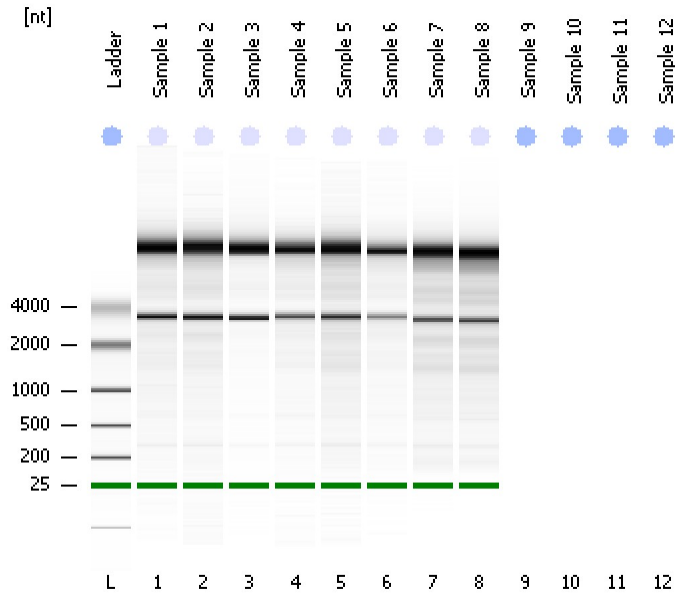


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-08\2014-05-08\_003.xad

Created: 5/8/2014 12:38:45 PM  
Modified: 5/8/2014 12:57:07 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

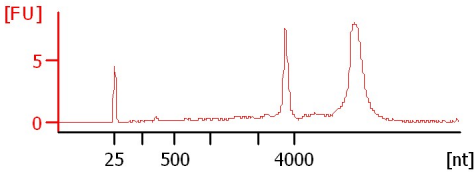
Assay Information:

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)  
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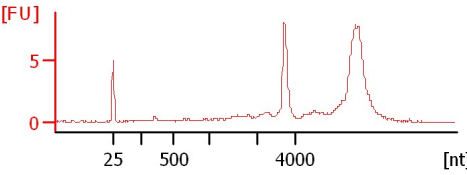
Chip Information:

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

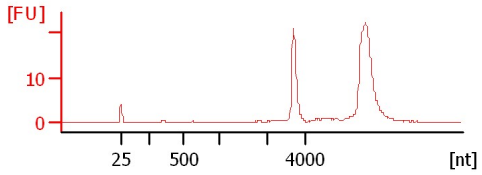
**Sample 1**  
HBMVEC-M1  
RIN: 9.10



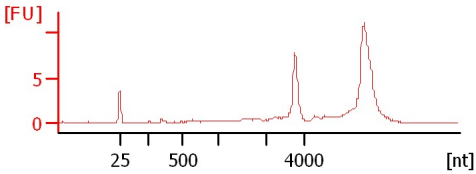
**Sample 2**  
HBMVEC-M2  
RIN:9



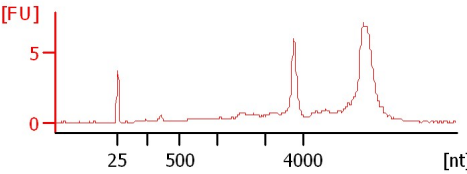
**Sample 3**  
HBMVEC-T2  
RIN:10



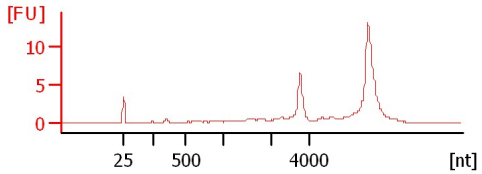
**Sample 4**  
HBMVEC-T3  
RIN: 9.40



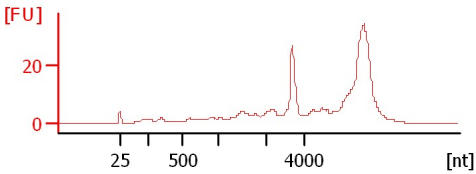
**Sample 5**  
HBMVEC-TL1  
RIN: 8.50



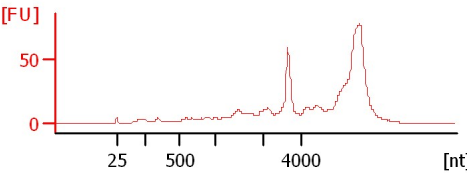
**Sample 6**  
HBMVEC-TL3  
RIN:9



**Sample 7**  
HAEC-M3  
RIN: 8.40



**Sample 8**  
HAEC-TL3  
RIN: 8.30



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-08\2014-05-08\_003.xad

Created: 5/8/2014 12:38:45 PM  
 Modified: 5/8/2014 12:57:07 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1	HBMVEC-M1	✓	RIN: 9.10	
Sample 2	HBMVEC-M2	✓	RIN:9	
Sample 3	HBMVEC-T2	✓	RIN:10	
Sample 4	HBMVEC-T3	✓	RIN: 9.40	
Sample 5	HBMVEC-TL1	✓	RIN: 8.50	
Sample 6	HBMVEC-TL3	✓	RIN:9	
Sample 7	HAEC-M3	✓	RIN: 8.40	
Sample 8	HAEC-TL3	✓	RIN: 8.30	
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:\... bioanalyzer\2100 expert\Data\2014-05-08\2014-05-08\_003.xad

Created: 5/8/2014 12:38:45 PM  
Modified: 5/8/2014 12:57:07 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/μl] : 150  
Lower Marker Concentration [ng/μl] : 0  
Upper Marker Concentration [ng/μl] : 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

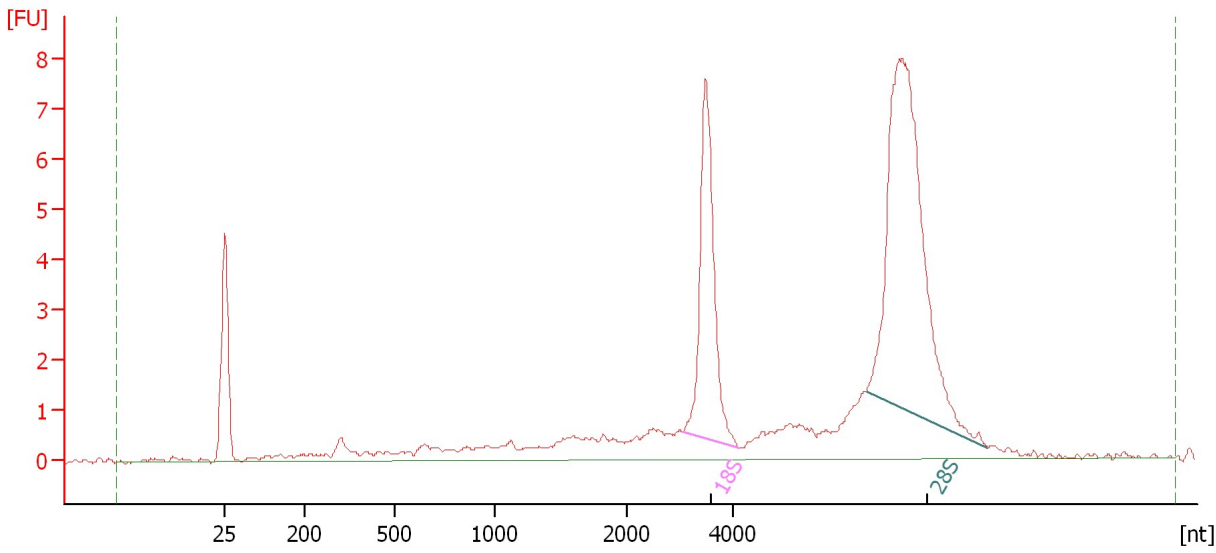
Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-08\2014-05-08\_003.xad

Created: 5/8/2014 12:38:45 PM  
Modified: 5/8/2014 12:57:07 PM

**Electropherogram Summary**

Sample 1 [ HBMVEC-M1 ]



**Overall Results for sample 1 : Sample 1**

RNA Area: 68.8                      RNA Integrity Number (RIN): 9.1 (B.02.08)  
RNA Concentration: 46 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.1              Result Flagging Label: RIN: 9.10

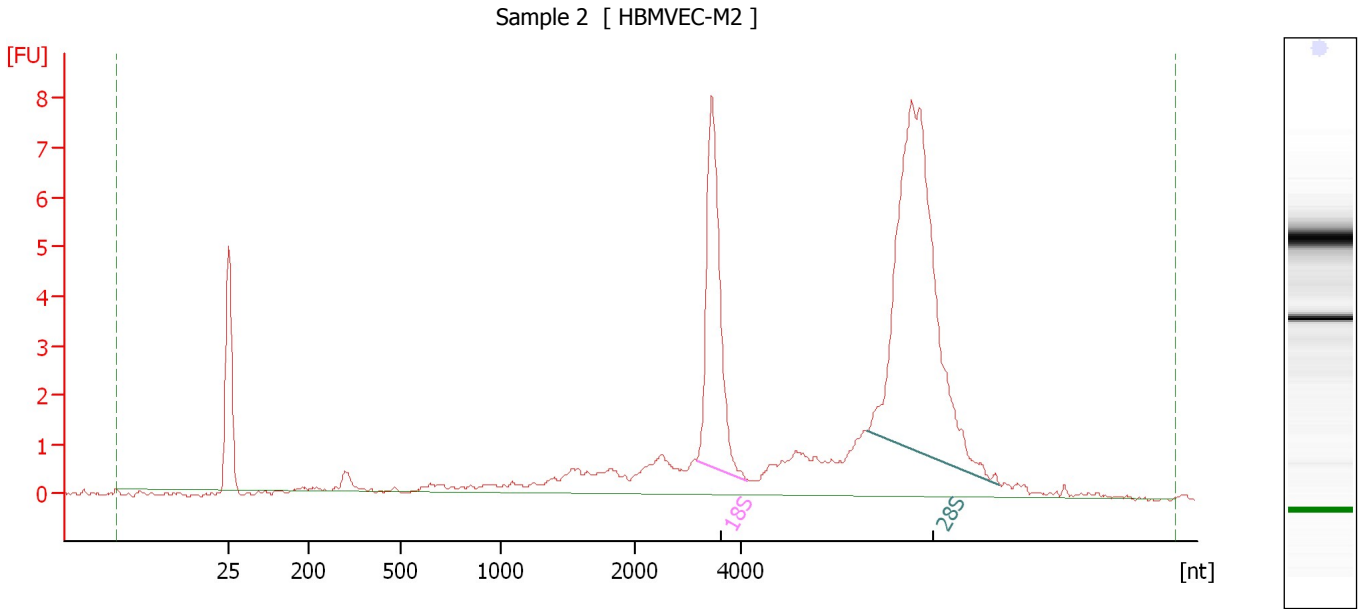
**Fragment table for sample 1 : Sample 1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,061	4,116	11.2	16.3
28S	6,532	8,847	23.9	34.8

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-08\2014-05-08\_003.xad

Created: 5/8/2014 12:38:45 PM  
 Modified: 5/8/2014 12:57:07 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Sample 2**

RNA Area:	66.4	RNA Integrity Number (RIN):	9 (B.02.08)
RNA Concentration:	45 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.3	Result Flagging Label:	RIN:9

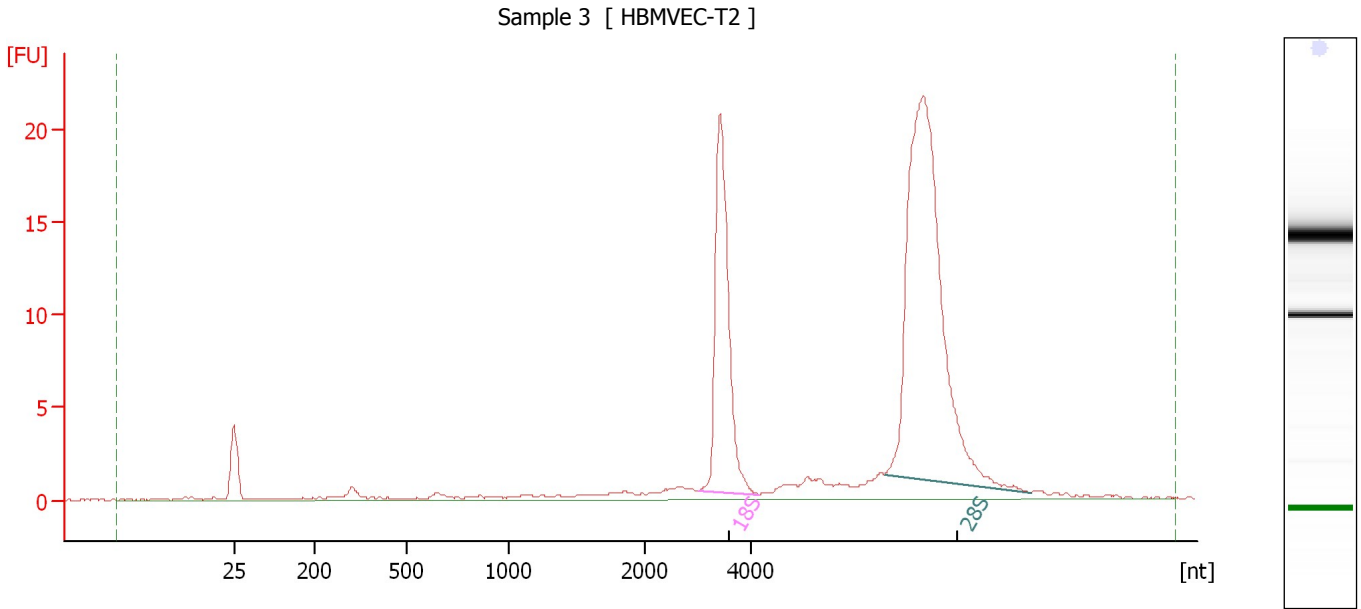
**Fragment table for sample 2 : Sample 2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,152	4,098	11.2	16.9
28S	6,353	8,871	25.9	39.0

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-08\2014-05-08\_003.xad

Created: 5/8/2014 12:38:45 PM  
Modified: 5/8/2014 12:57:07 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : Sample 3**

RNA Area: 130.1                      RNA Integrity Number (RIN): 10 (B.02.08)  
RNA Concentration: 88 ng/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.2                      Result Flagging Label: RIN:10

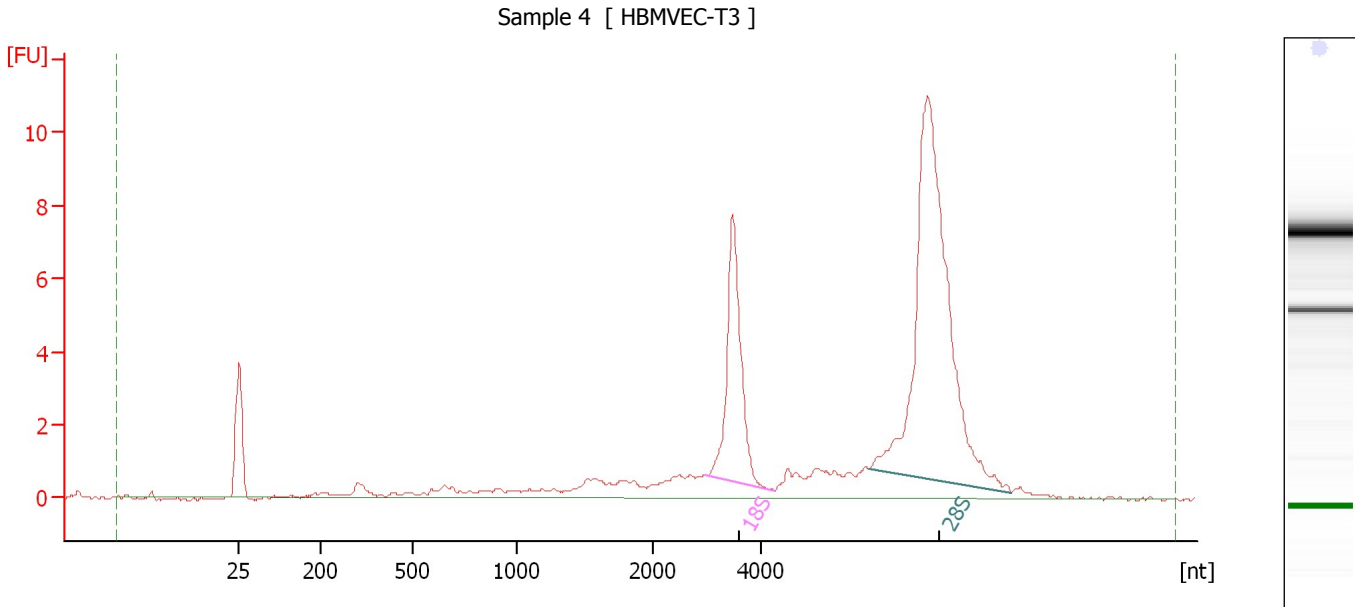
**Fragment table for sample 3 : Sample 3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,004	4,140	30.6	23.5
28S	6,473	9,204	66.9	51.5

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-08\2014-05-08\_003.xad

Created: 5/8/2014 12:38:45 PM  
 Modified: 5/8/2014 12:57:07 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : Sample 4**

RNA Area:	69.0	RNA Integrity Number (RIN):	9.4 (B.02.08)
RNA Concentration:	47 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.8	Result Flagging Label:	RIN: 9.40

**Fragment table for sample 4 : Sample 4**

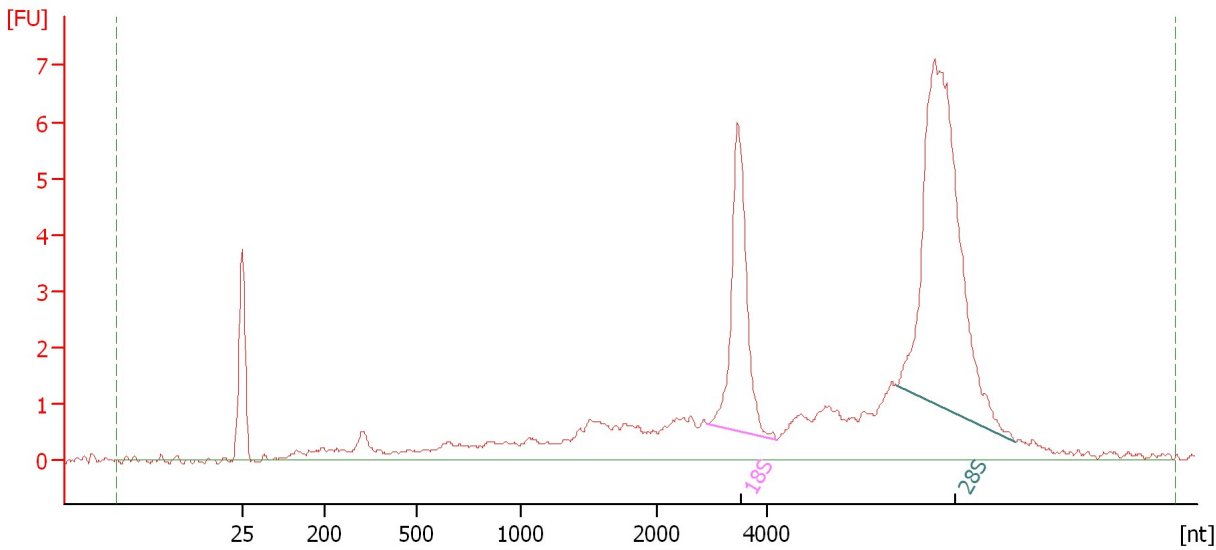
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,994	4,260	11.3	16.3
28S	6,001	8,631	31.5	45.6

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-08\2014-05-08\_003.xad

Created: 5/8/2014 12:38:45 PM  
 Modified: 5/8/2014 12:57:07 PM

**Electropherogram Summary Continued ...**

Sample 5 [ HBMVEC-TL1 ]



**Overall Results for sample 5 : Sample 5**

RNA Area:	67.9	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	46 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.3	Result Flagging Label:	RIN: 8.50

**Fragment table for sample 5 : Sample 5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,924	4,182	8.9	13.2
28S	6,404	8,566	20.7	30.5

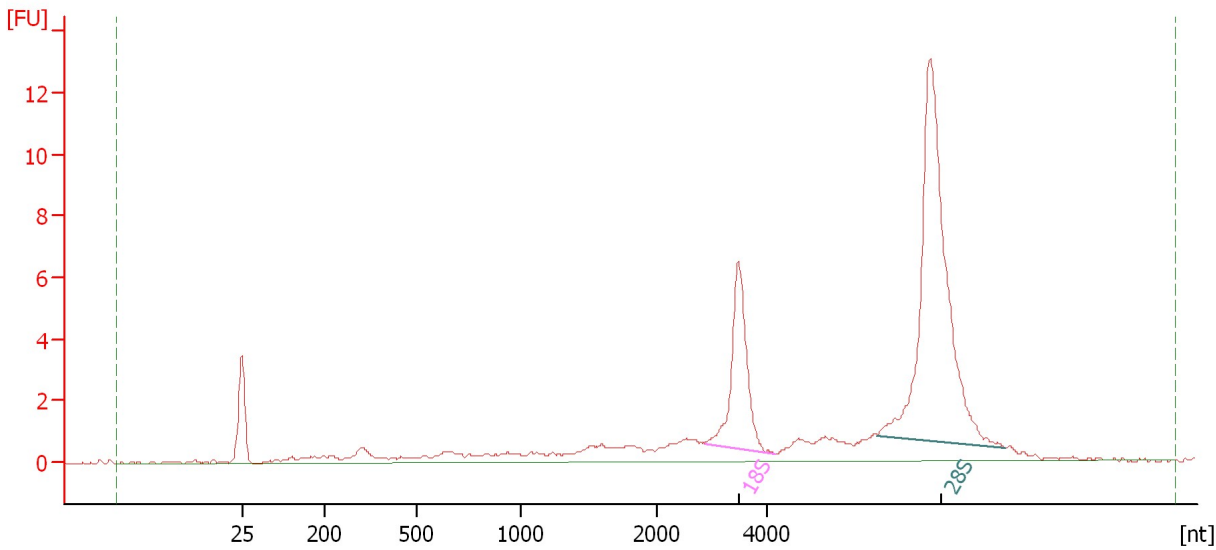


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-08\2014-05-08\_003.xad

Created: 5/8/2014 12:38:45 PM  
Modified: 5/8/2014 12:57:07 PM

**Electropherogram Summary Continued ...**

Sample 6 [ HBMVEC-TL3 ]



**Overall Results for sample 6 : Sample 6**

RNA Area:	71.5	RNA Integrity Number (RIN):	9 (B.02.08)
RNA Concentration:	48 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.8	Result Flagging Label:	RIN:9

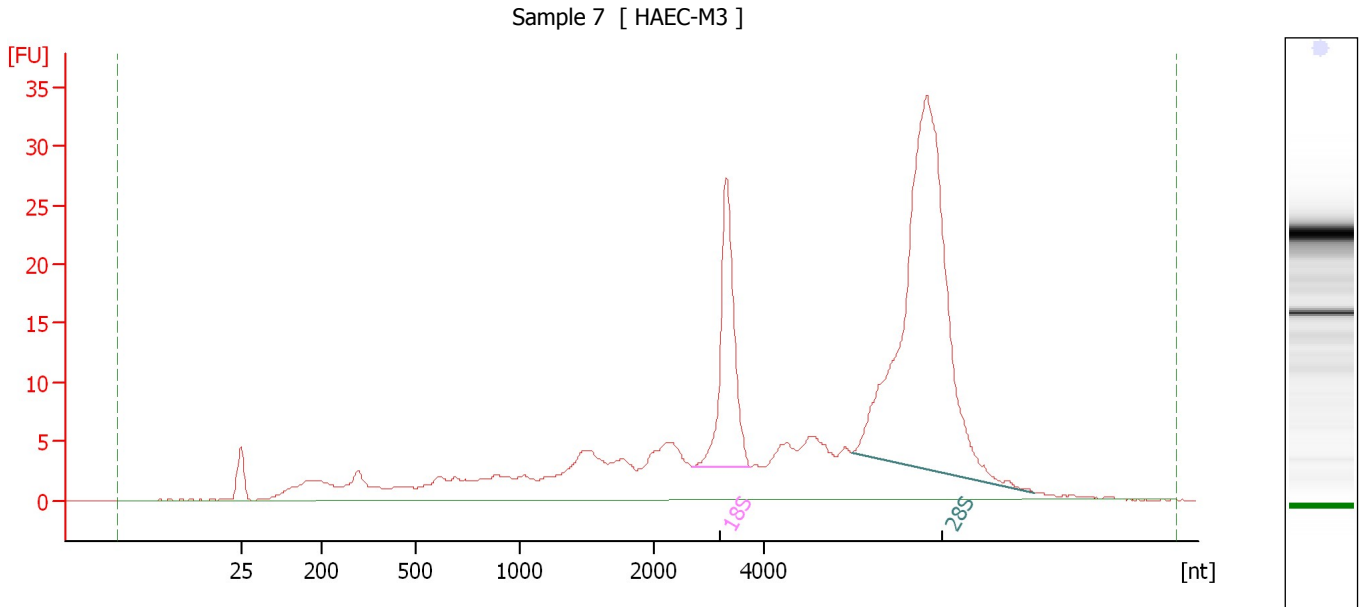
**Fragment table for sample 6 : Sample 6**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,865	4,162	10.2	14.2
28S	6,050	8,389	28.6	40.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-08\2014-05-08\_003.xad

Created: 5/8/2014 12:38:45 PM  
Modified: 5/8/2014 12:57:07 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : Sample 7**

RNA Area:	358.5	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	242 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	3.5	Result Flagging Label:	RIN: 8.40

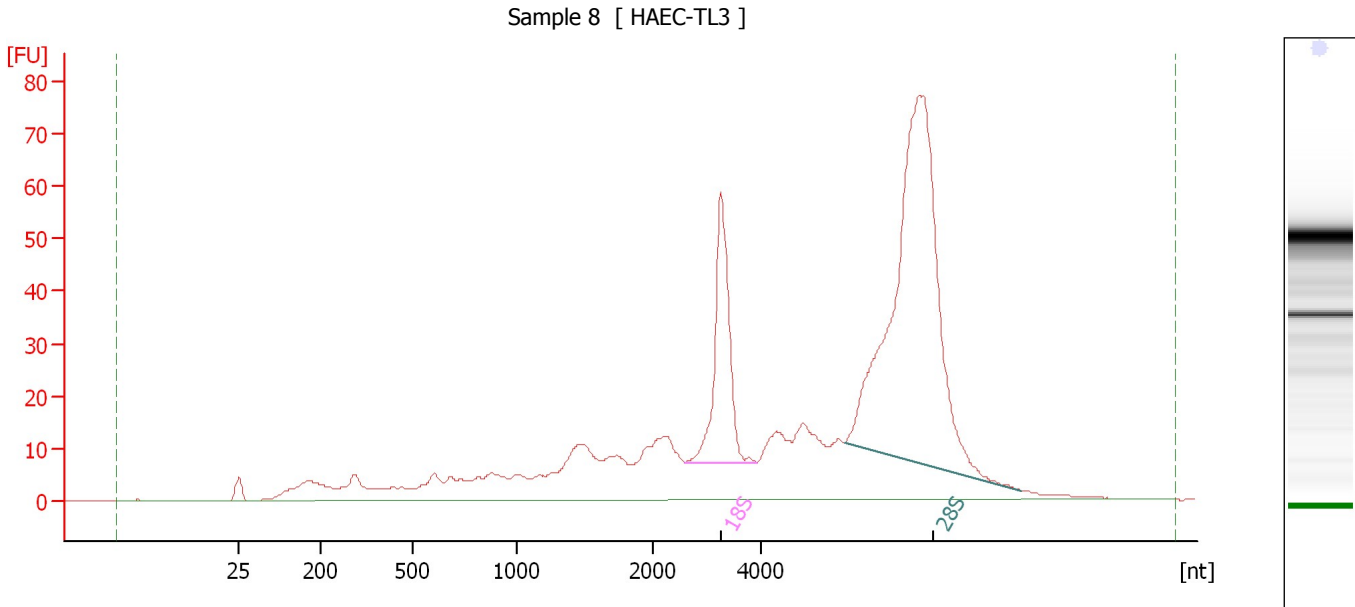
**Fragment table for sample 7 : Sample 7**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,701	3,767	36.3	10.1
28S	5,642	9,017	126.5	35.3

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-08\2014-05-08\_003.xad

Created: 5/8/2014 12:38:45 PM  
 Modified: 5/8/2014 12:57:07 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : Sample 8**

RNA Area:	876.1	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	591 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	3.6	Result Flagging Label:	RIN: 8.30

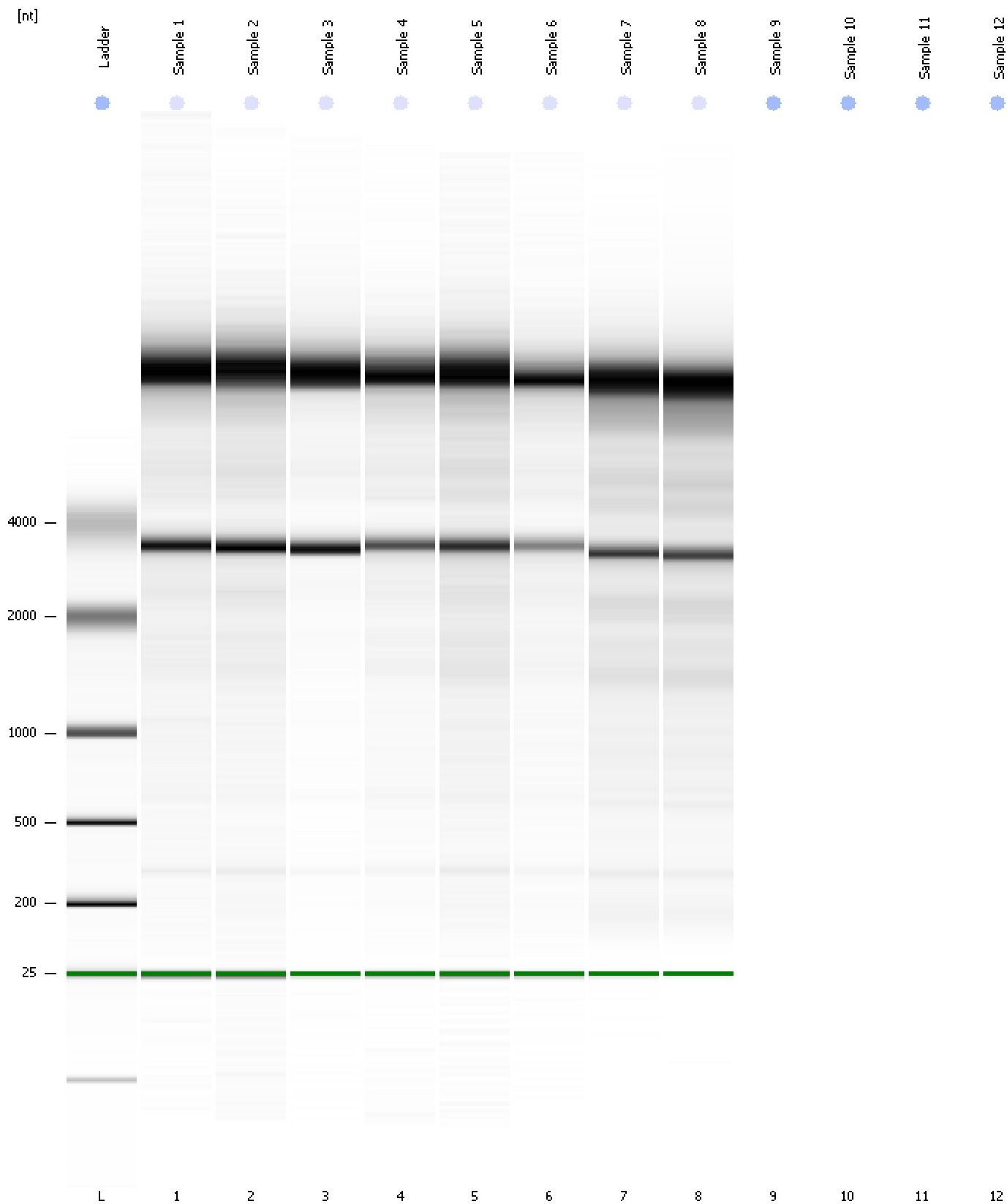
**Fragment table for sample 8 : Sample 8**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,619	3,924	81.7	9.3
28S	5,566	8,829	295.3	33.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-08\2014-05-08\_003.xad

Created: 5/8/2014 12:38:45 PM  
Modified: 5/8/2014 12:57:07 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-08\2014-05-08\_003.xad

Created: 5/8/2014 12:38:45 PM  
Modified: 5/8/2014 12:57:07 PM

**Invalid Samples**

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.