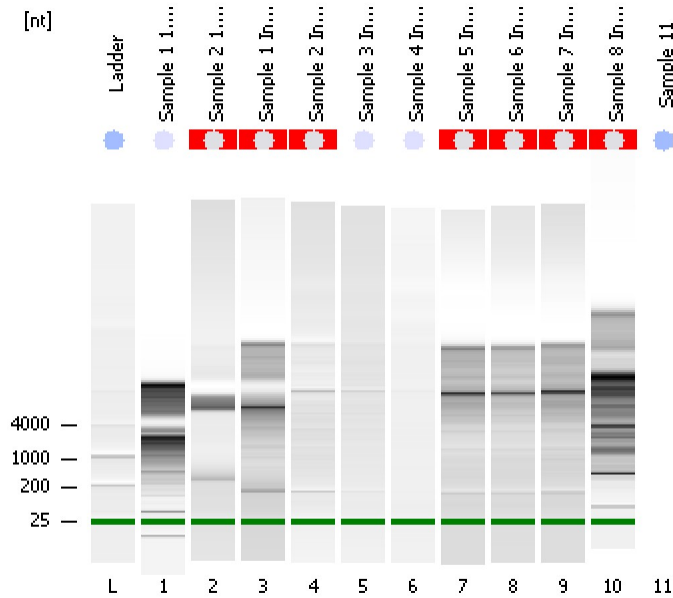


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-14\2019-02-14\_001.xad

Created: 2/14/2019 1:27:33 PM  
Modified: 2/14/2019 1:49:17 PM

### Electrophoresis File Run Summary



#### Instrument Information:

Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

#### Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico

Version: 2.6

Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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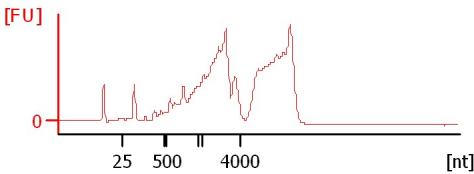
#### Chip Information:

Chip Lot #:

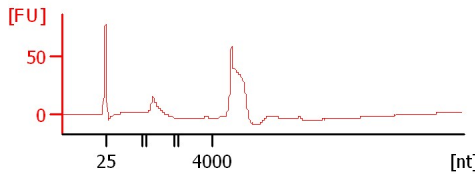
Reagent Kit Lot #:

Chip Comments:

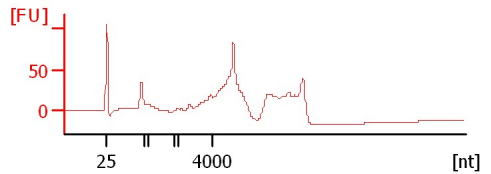
**Sample 1 1.29.19**  
RIN: 3.20



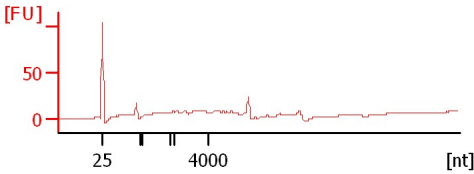
**Sample 2 1.29.19**  
RIN N/A



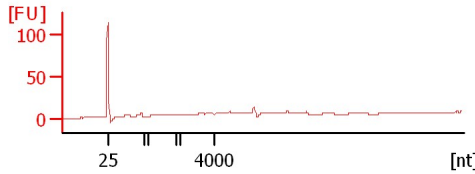
**Sample 1 Input 2.12.19**  
RIN N/A



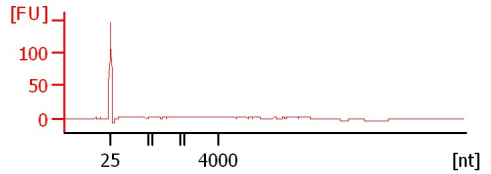
**Sample 2 Input 2.12.19**  
RIN N/A



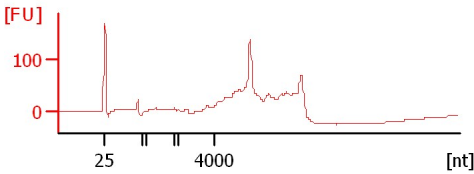
**Sample 3 Input 2.12.19**  
RIN: 6.60



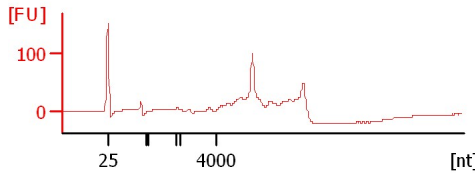
**Sample 4 Input 2.12.19**  
RIN: 3



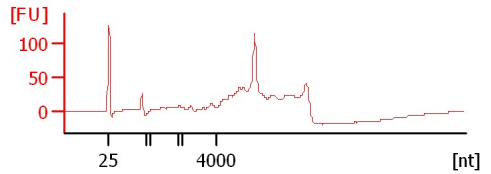
**Sample 5 Input 2.12.19**  
RIN N/A



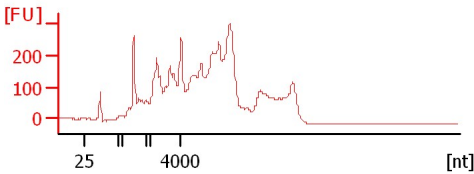
**Sample 6 Input 2.12.19**  
RIN N/A



**Sample 7 Input 2.12.19**  
RIN N/A



**Sample 8 Input 2.12.19**  
RIN N/A



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-14\2019-02-14\_001.xad

Created: 2/14/2019 1:27:33 PM  
 Modified: 2/14/2019 1:49:17 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1 1.29.19		✓	RIN: 3.20	
Sample 2 1.29.19		✓	RIN N/A	
Sample 1 Input 2.12.19		✓	RIN N/A	
Sample 2 Input 2.12.19		✓	RIN N/A	
Sample 3 Input 2.12.19		✓	RIN: 6.60	
Sample 4 Input 2.12.19		✓	RIN:3	
Sample 5 Input 2.12.19		✓	RIN N/A	
Sample 6 Input 2.12.19		✓	RIN N/A	
Sample 7 Input 2.12.19		✓	RIN N/A	
Sample 8 Input 2.12.19		✓	RIN N/A	
Sample 11				
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-14\2019-02-14\_001.xad

Created: 2/14/2019 1:27:33 PM  
Modified: 2/14/2019 1:49:17 PM

**Electrophoresis Assay Details**

**General Analysis Settings**

Number of Available Sample and Ladder Wells (Max.) : 12  
Minimum Visible Range [s] : 17  
Maximum Visible Range [s] : 70  
Start Analysis Time Range [s] : 18  
End Analysis Time Range [s] : 69  
Ladder Concentration [pg/μl] : 1000  
Lower Marker Concentration [pg/μl] : 0  
Upper Marker Concentration [pg/μl] : 0  
Used Lower Marker for Quantitation  
Standard Curve Fit is Logarithmic  
Show Data Aligned to Lower Marker

**Integrator Settings**

Integration Start Time [s] : 18  
Integration End Time [s] : 69  
Slope Threshold : 0.6  
Height Threshold [FU] : 0.5  
Area Threshold : 0.2  
Width Threshold [s] : 0.3  
Baseline Plateau [s] : 6

**Filter Settings**

Filter Width [s] : 0.5  
Polynomial Order : 4

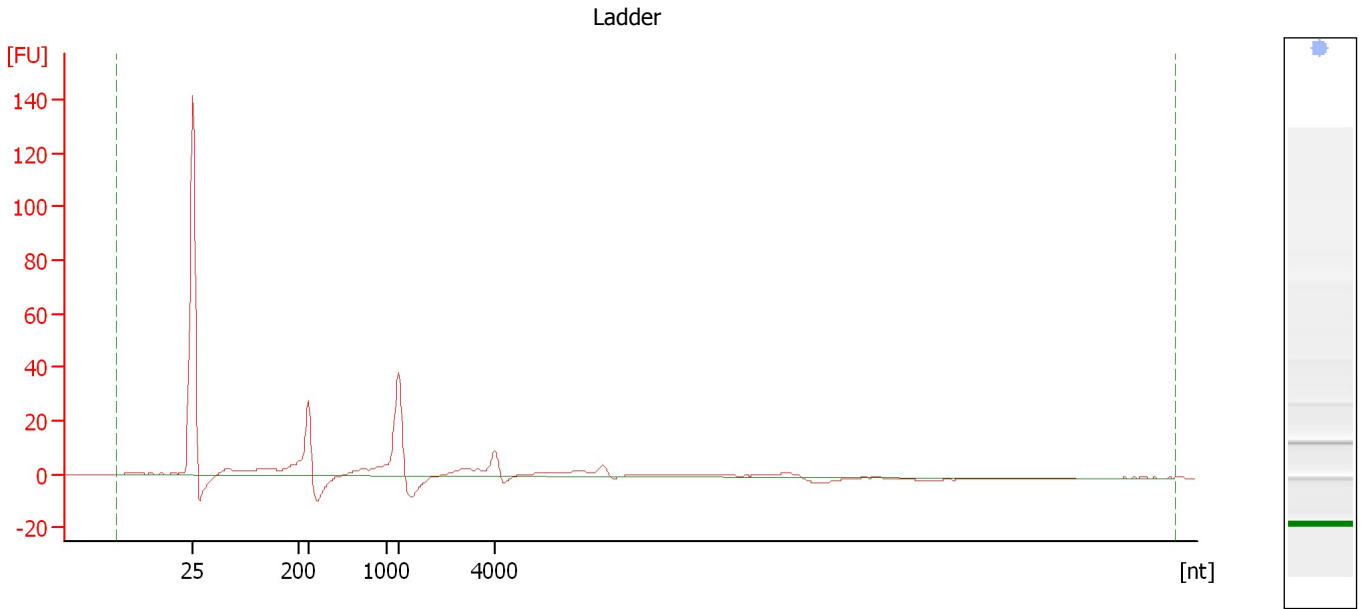
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-14\2019-02-14\_001.xad

Created: 2/14/2019 1:27:33 PM  
Modified: 2/14/2019 1:49:17 PM

**Electropherogram Summary**



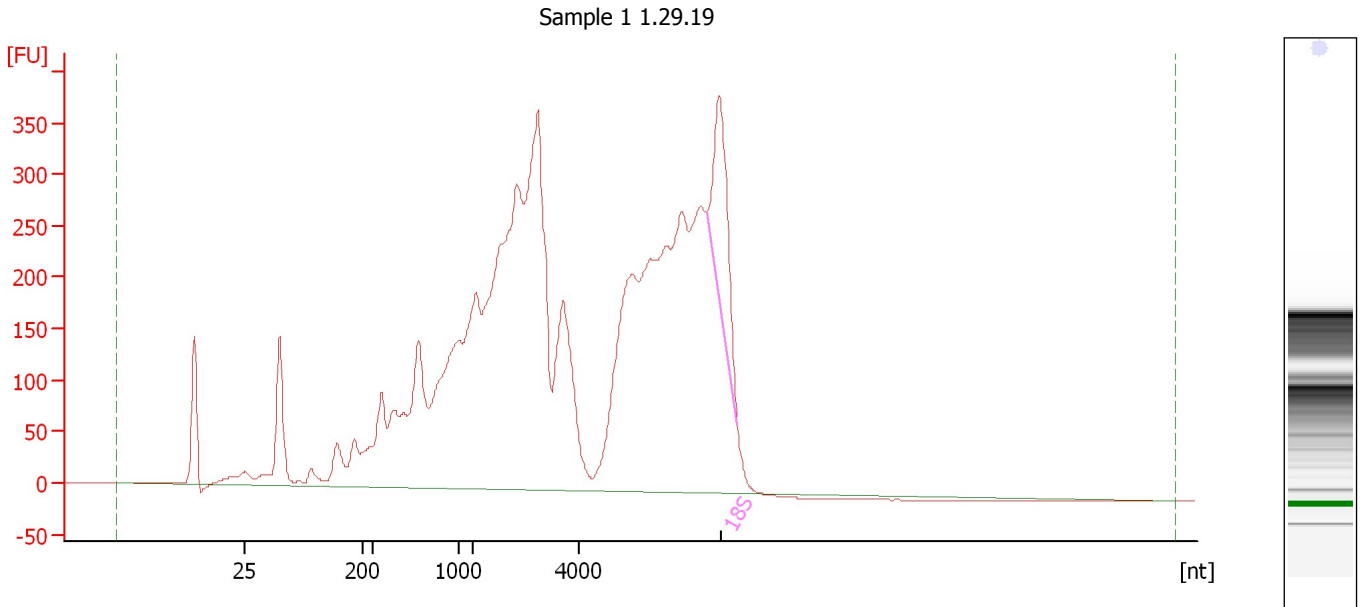
**Overall Results for Ladder**

RNA Area:	168.4	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-14\2019-02-14\_001.xad

Created: 2/14/2019 1:27:33 PM  
Modified: 2/14/2019 1:49:17 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : Sample 1 1.29.19**

RNA Area:	8,047.0	RNA Integrity Number (RIN):	3.2 (B.02.08)
RNA Concentration:	47,789 pg/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]:	0.0	Result Flagging Label:	RIN: 3.20

**Fragment table for sample 1 : Sample 1 1.29.19**

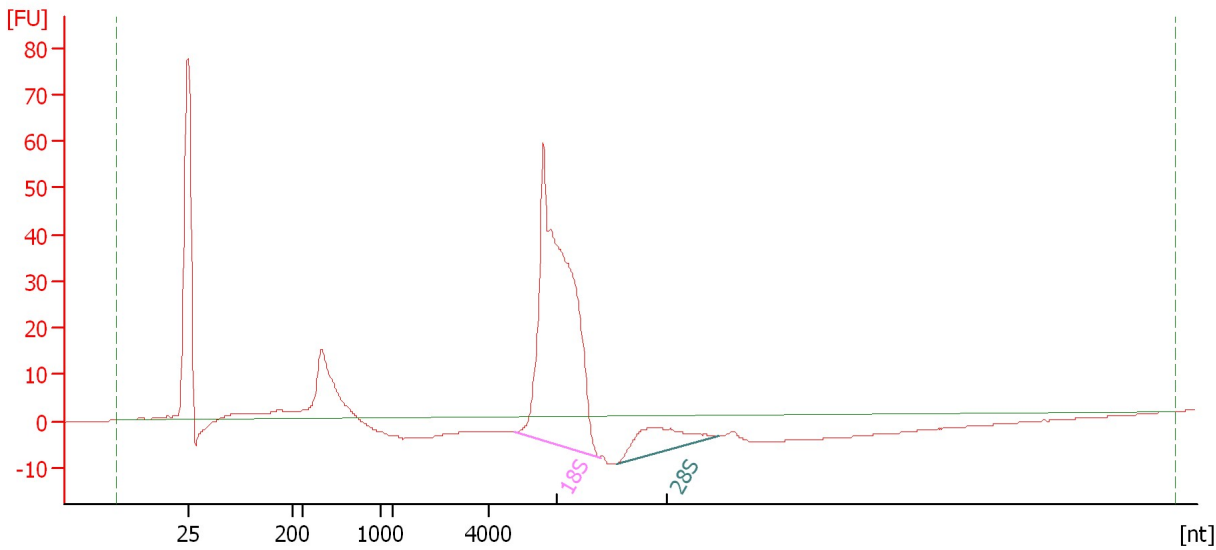
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	6,362	6,938	312.4	3.9

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-14\2019-02-14\_001.xad

Created: 2/14/2019 1:27:33 PM  
Modified: 2/14/2019 1:49:17 PM

**Electropherogram Summary Continued ...**

Sample 2 1.29.19



**Overall Results for sample 2 : Sample 2 1.29.19**

RNA Area:	269.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1,598 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN N/A

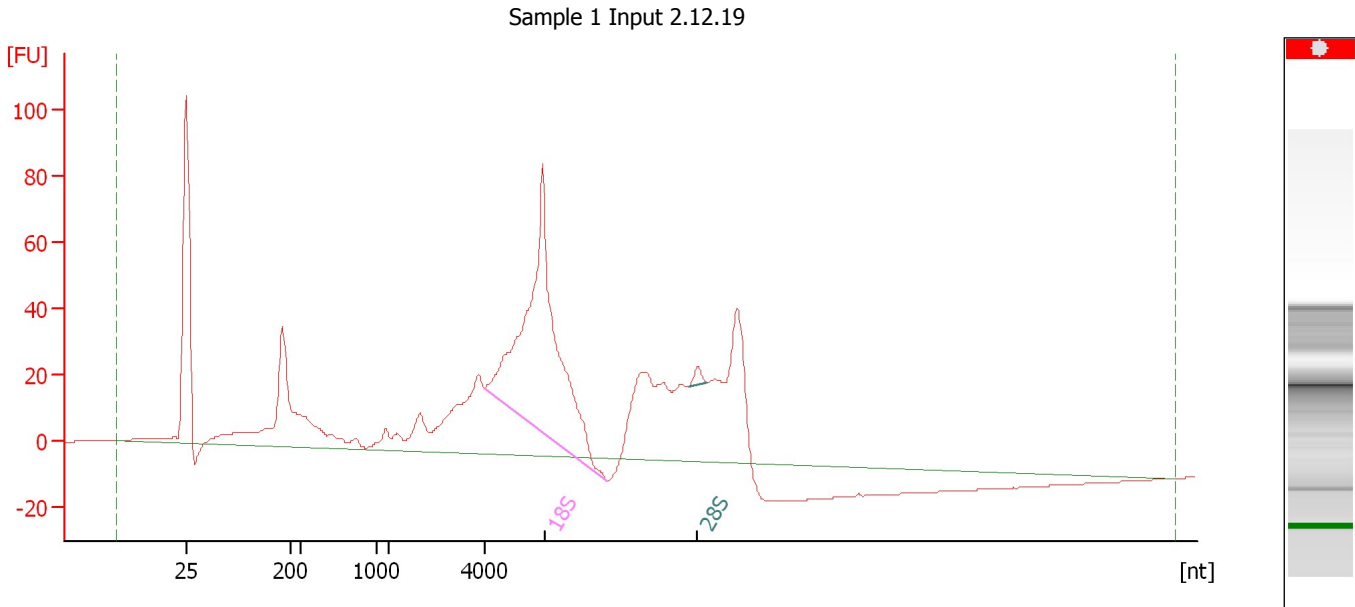
**Fragment table for sample 2 : Sample 2 1.29.19**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	4,564	6,315	246.7	91.7
28S	6,670	8,776	31.6	11.7

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-14\2019-02-14\_001.xad

Created: 2/14/2019 1:27:33 PM  
 Modified: 2/14/2019 1:49:17 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : Sample 1 Input 2.12.19**

RNA Area:	1,047.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	6,223 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 3 : Sample 1 Input 2.12.19**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	4,015	6,553	308.4	29.4
28S	8,246	8,646	5.1	0.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-14\2019-02-14\_001.xad

Created: 2/14/2019 1:27:33 PM  
Modified: 2/14/2019 1:49:17 PM

**Gel Image**

