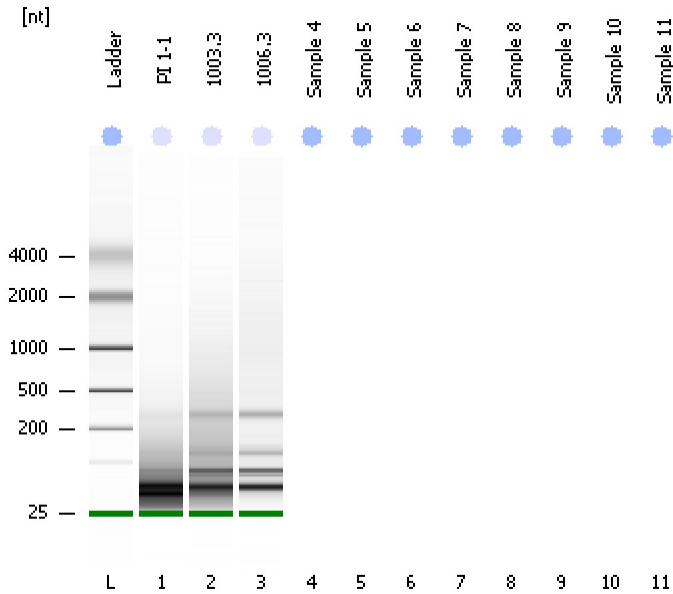


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-12\2014-11-12\_006.xad

Created: 11/12/2014 4:49:32 PM  
Modified: 11/12/2014 5:05:36 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 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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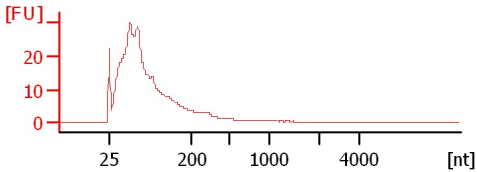
Chip Information:

Chip Lot #:

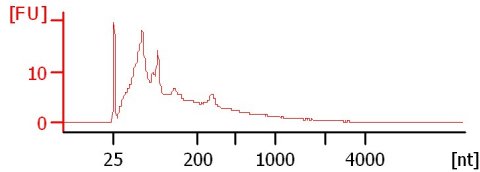
Reagent Kit Lot #:

Chip Comments:

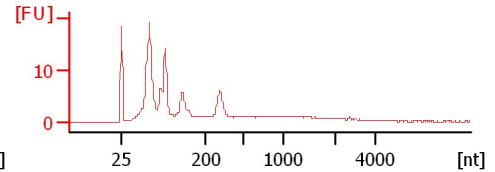
**PI 1-1**  
Ribo-depleted RNA  
RIN: 2.40



**1003.3**  
Ribo-depleted RNA  
RIN: 2.30



**1006.3**  
Ribo-depleted RNA  
RIN: 2.50



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-12\2014-11-12\_006.xad

Created: 11/12/2014 4:49:32 PM  
Modified: 11/12/2014 5:05:36 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
PI 1-1	Ribo-depleted RNA	✓	RIN: 2.40	
1003.3	Ribo-depleted RNA	✓	RIN: 2.30	
1006.3	Ribo-depleted RNA	✓	RIN: 2.50	
Sample 4				
Sample 5				
Sample 6				
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-12\2014-11-12\_006.xad

Created: 11/12/2014 4:49:32 PM  
Modified: 11/12/2014 5:05:36 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/ $\mu$ l] : 1000  
Lower Marker Concentration [pg/ $\mu$ l] : 0  
Upper Marker Concentration [pg/ $\mu$ l] : 0  
Used Lower Marker for Quantitation  
Standard Curve Fit is Logarithmic  
Show Data Aligned to Lower Marker

### Integrator Settings

Integration Start Time [s] : 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

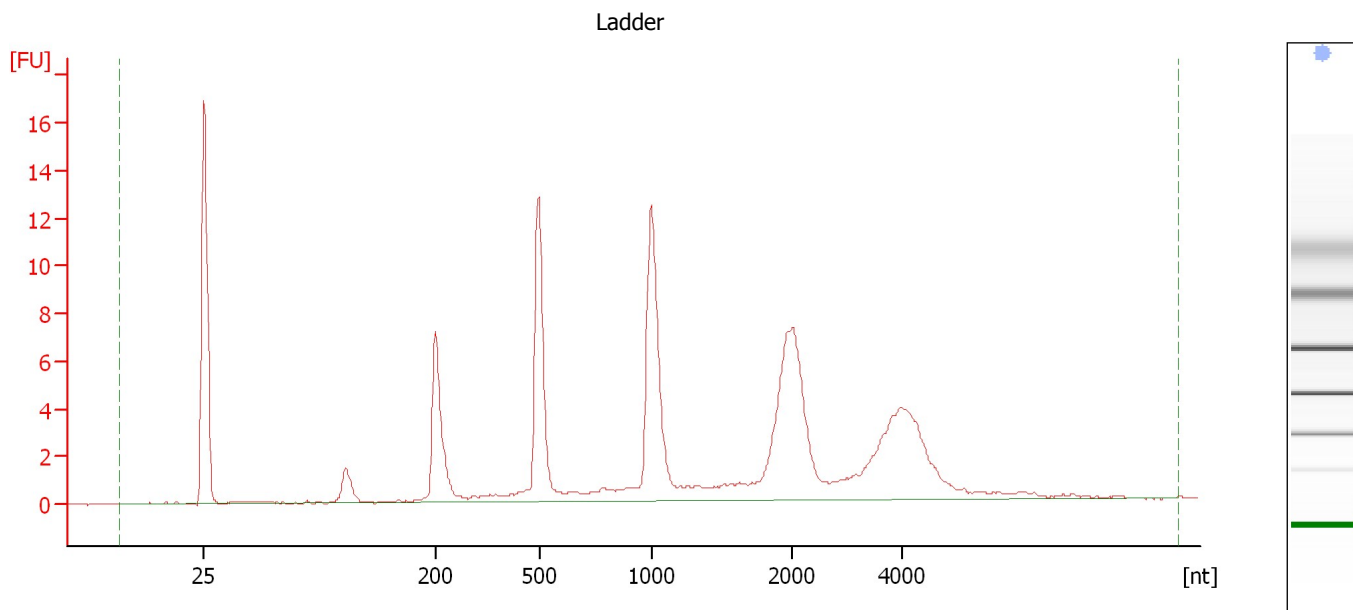
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-12\2014-11-12\_006.xad

Created: 11/12/2014 4:49:32 PM  
Modified: 11/12/2014 5:05:36 PM

**Electropherogram Summary**



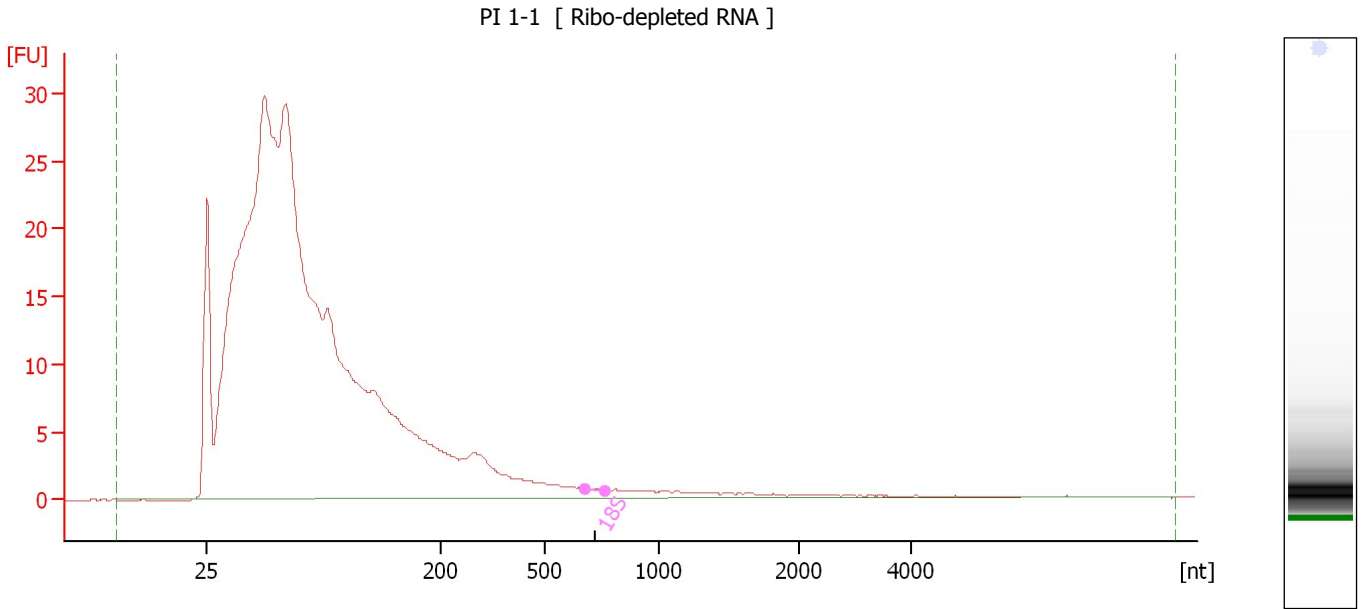
**Overall Results for Ladder**

RNA Area:	102.2	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:\...ents and Settings\Bioanalyzer\2014-11-12\2014-11-12\_006.xad

Created: 11/12/2014 4:49:32 PM  
Modified: 11/12/2014 5:05:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : PI 1-1**

RNA Area:	555.0	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	5,432 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: 2.40

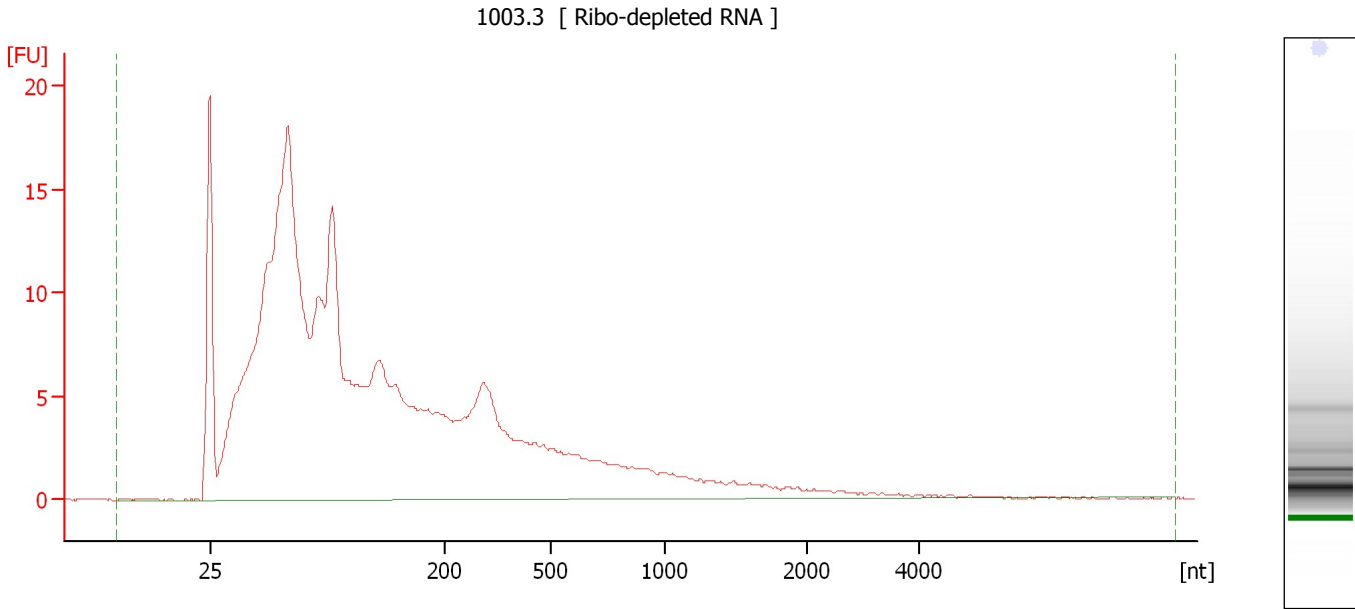
**Fragment table for sample 1 : PI 1-1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	677	762	0.1	0.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-12\2014-11-12\_006.xad

Created: 11/12/2014 4:49:32 PM  
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**Electropherogram Summary Continued ...**



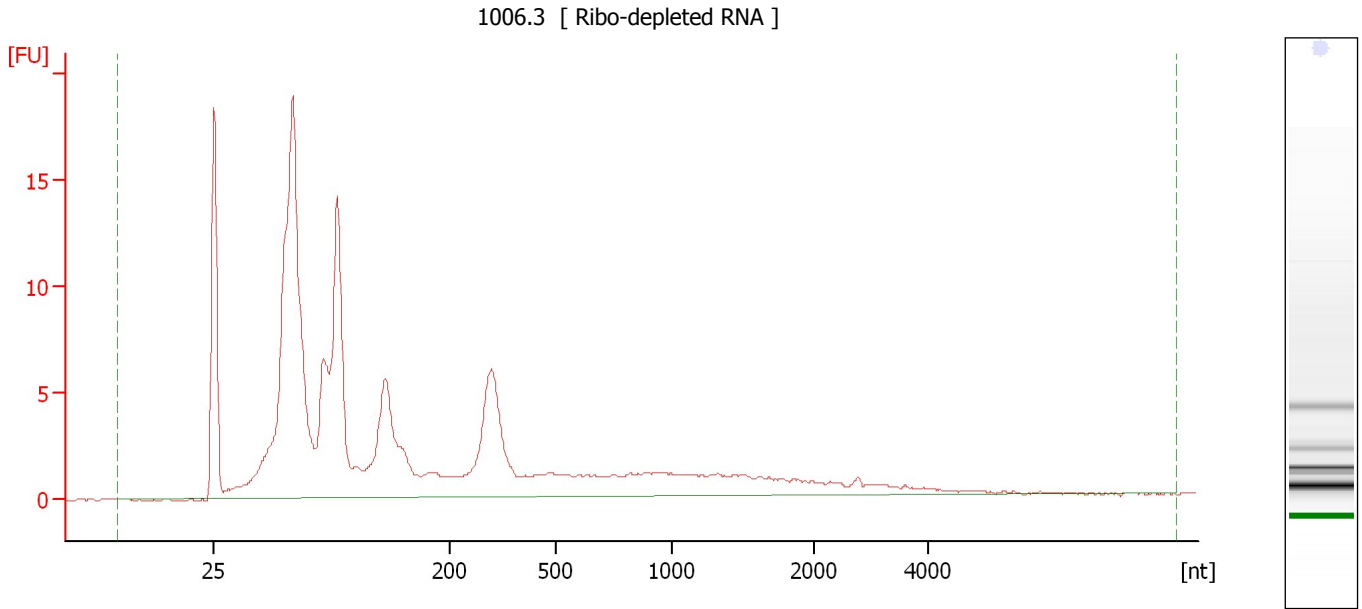
**Overall Results for sample 2 : 1003.3**

RNA Area:	362.2	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	3,544 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: 2.30

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-12\2014-11-12\_006.xad

Created: 11/12/2014 4:49:32 PM  
Modified: 11/12/2014 5:05:36 PM

**Electropherogram Summary Continued ...**



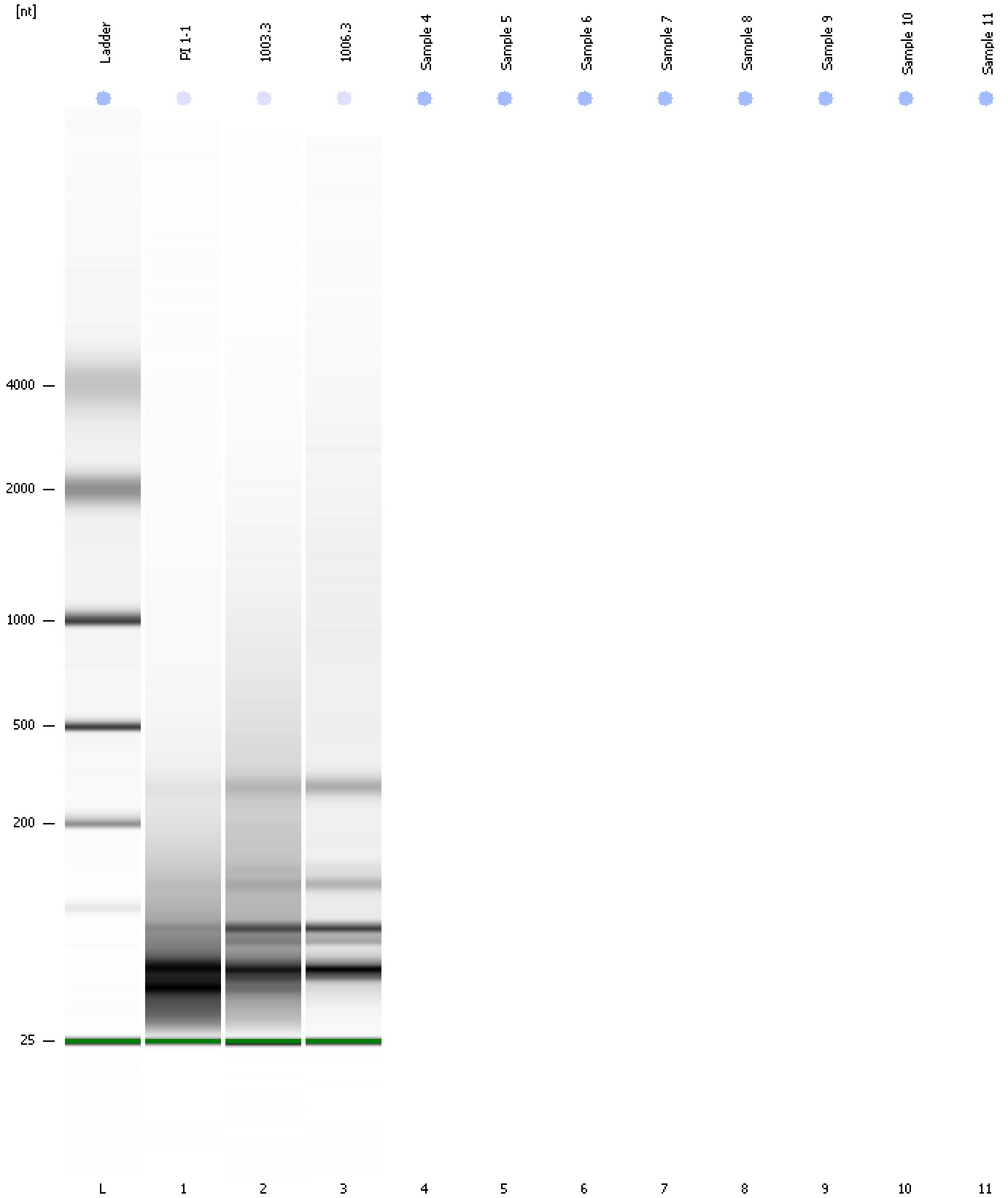
**Overall Results for sample 3 : 1006.3**

RNA Area:	190.4	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	1,863 µg/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: 2.50

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-12\2014-11-12\_006.xad

Created: 11/12/2014 4:49:32 PM  
Modified: 11/12/2014 5:05:36 PM

**Gel Image**





Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-12\2014-11-12\_006.xad

Created: 11/12/2014 4:49:32 PM  
Modified: 11/12/2014 5:05:36 PM

**Invalid Samples**

Sample 4 has not been run, no results available.

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

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.

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-12\2014-11-12\_006.xad

Created: 11/12/2014 4:49:32 PM  
 Modified: 11/12/2014 5:05:36 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 4)		Instrument	Run		11/12/2014 5:01:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-11-12\2014-11-12_006.xad)		Instrument	Run		11/12/2014 4:49:37 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/12/2014 4:49:37 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/12/2014 4:49:37 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/12/2014 4:49:37 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/12/2014 4:49:37 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/12/2014 4:49:37 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/12/2014 4:49:37 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1