

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-14\2017-11-14\_001.xad

Created: 11/14/2017 1:21:34 PM  
Modified: 11/14/2017 1:34:29 PM

**Electrophoresis File Run Summary**

Instrument Information:

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

Assay Information:

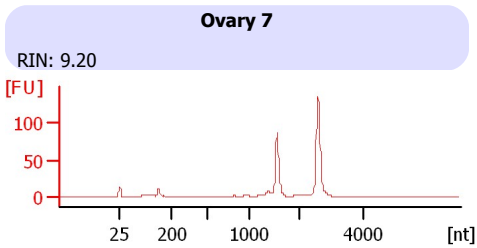
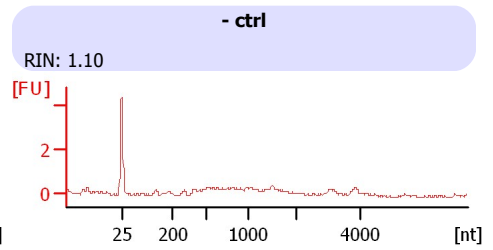
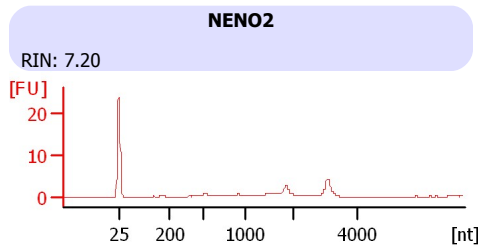
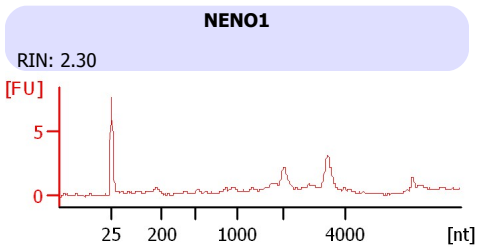
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

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:



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

Sample Name	Sample Comment	Status	Result Label	Result Color
NENO1		✓	RIN: 2.30	
NENO2		✓	RIN: 7.20	
- ctrl		✓	RIN: 1.10	
Ovary 7		✓	RIN: 9.20	
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 :**

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## 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

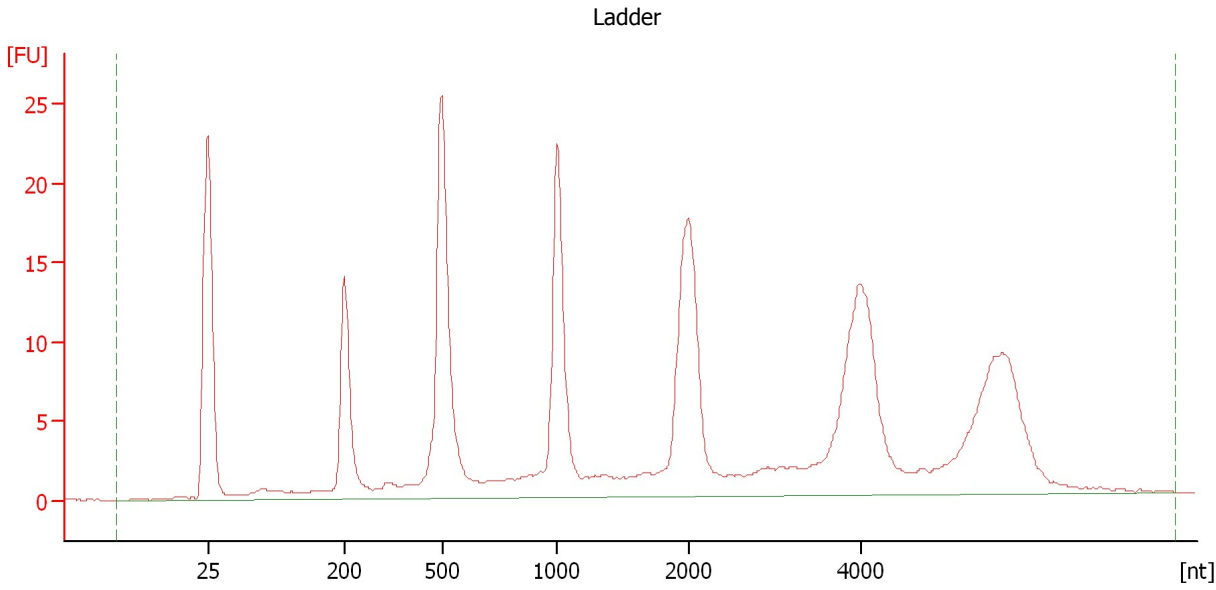
### Ladder

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

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**Electropherogram Summary**



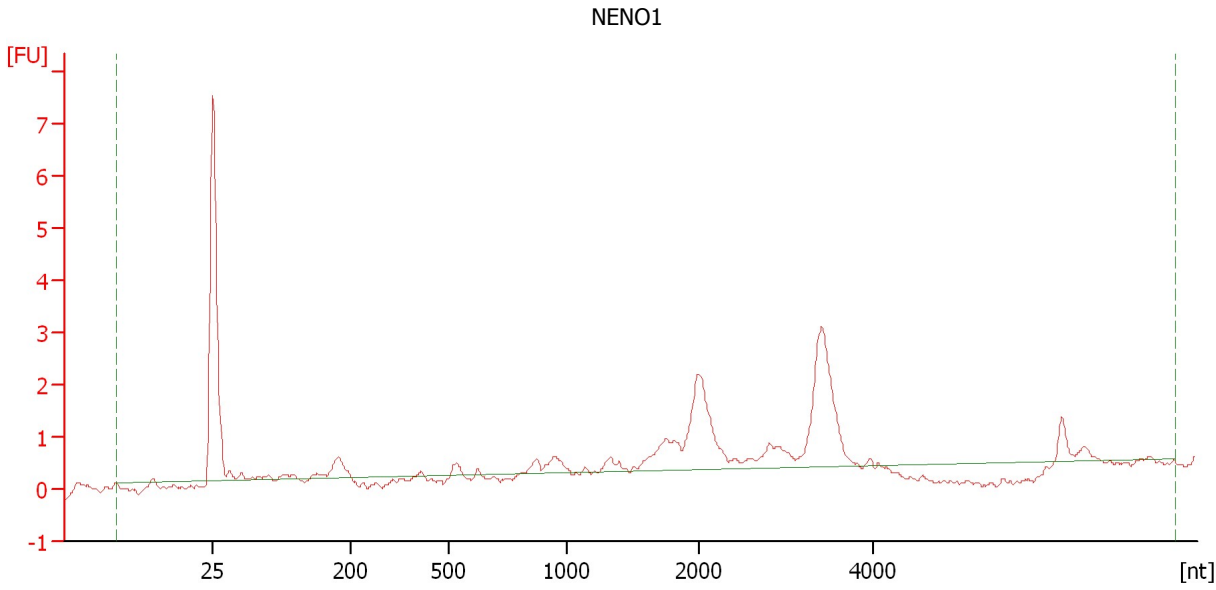
**Overall Results for Ladder**

RNA Area:	298.7	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

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**Electropherogram Summary Continued ...**



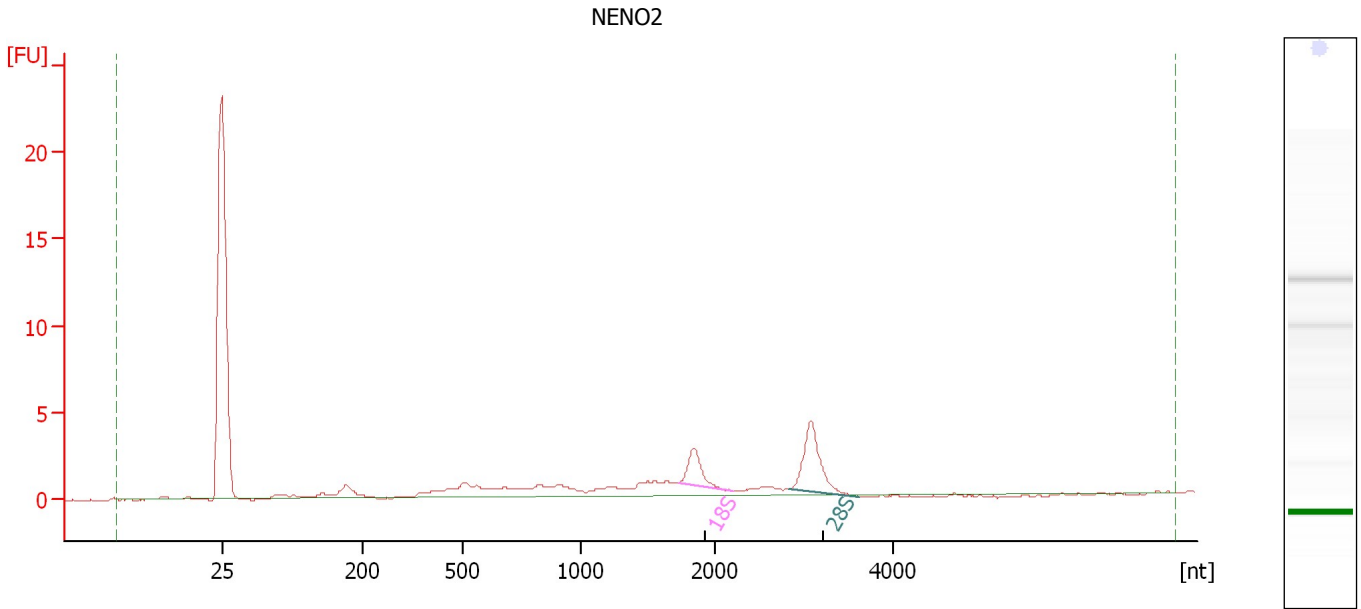
**Overall Results for sample 1 : NENO1**

RNA Area:	17.5	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	58 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

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : NENO2**

RNA Area:	31.6	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	106 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]:	2.1	Result Flagging Label:	RIN: 7.20

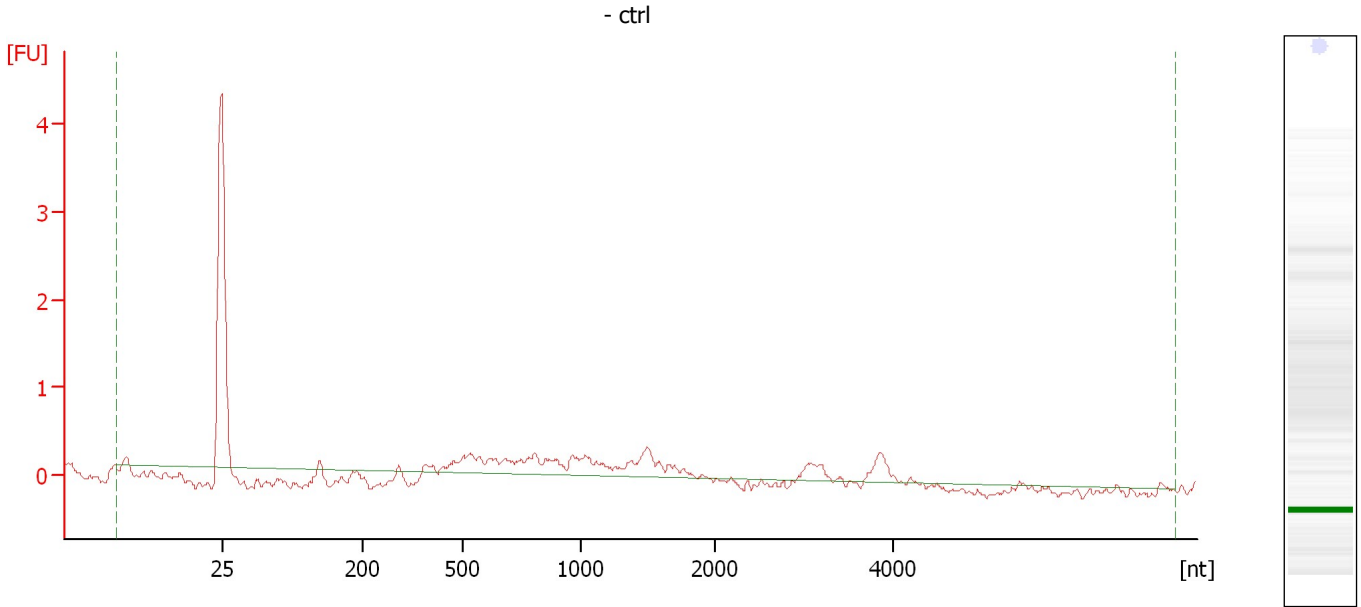
**Fragment table for sample 2 : NENO2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,720	2,189	3.3	10.6
28S	2,830	3,616	6.9	22.0

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**Electropherogram Summary Continued ...**



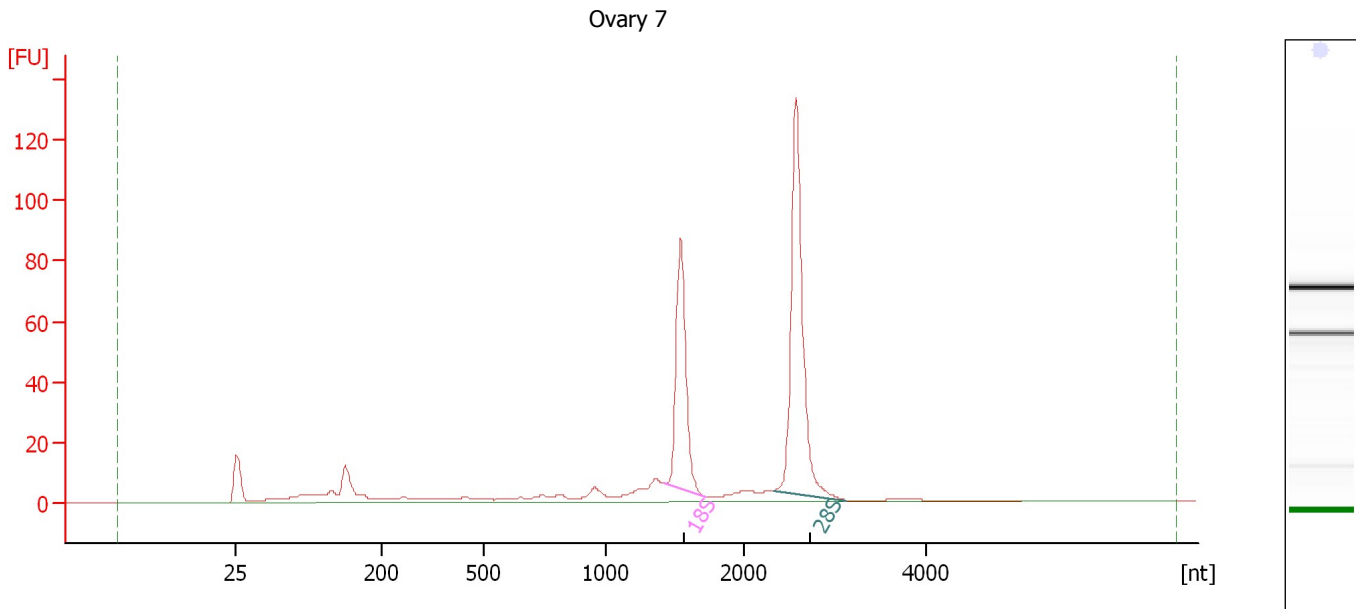
**Overall Results for sample 3 : - ctrl**

RNA Area:	5.7	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	19 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: 1.10

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : Ovary 7**

RNA Area:	438.0	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	1,466 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]:	1.7	Result Flagging Label:	RIN: 9.20

**Fragment table for sample 4 : Ovary 7**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,424	1,725	94.1	21.5
28S	2,322	3,134	158.1	36.1



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**Gel Image**

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**Invalid Samples**

- 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.