

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...\2100 expert\data\2018-04-20\2018-04-20\_003\_A5\_B1\_RNAQC.xad

Created: 4/20/2018 12:35:13 PM  
Modified: 4/20/2018 1:17:38 PM

**Electrophoresis File Run Summary**

Instrument Information:

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

Assay Information:

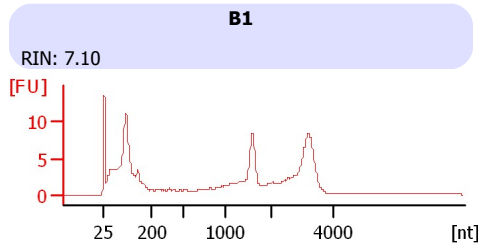
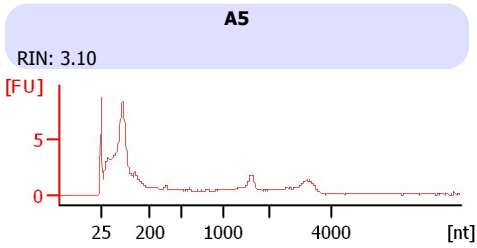
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

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:





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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

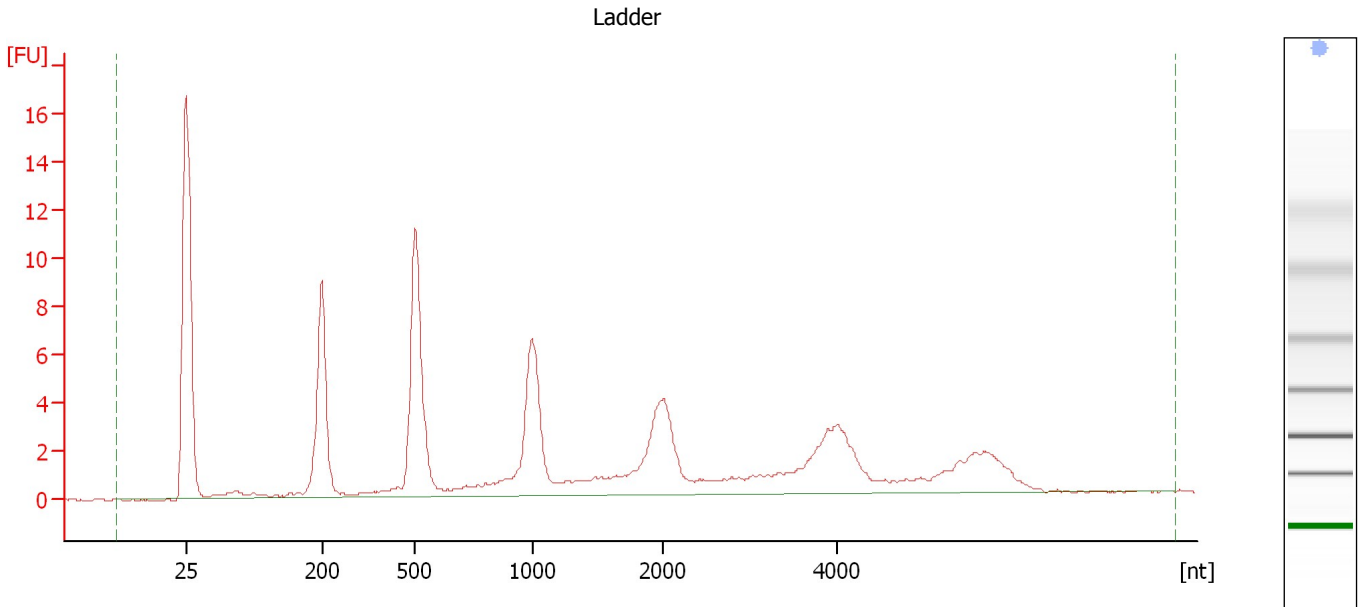
### Ladder

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

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**Electropherogram Summary**



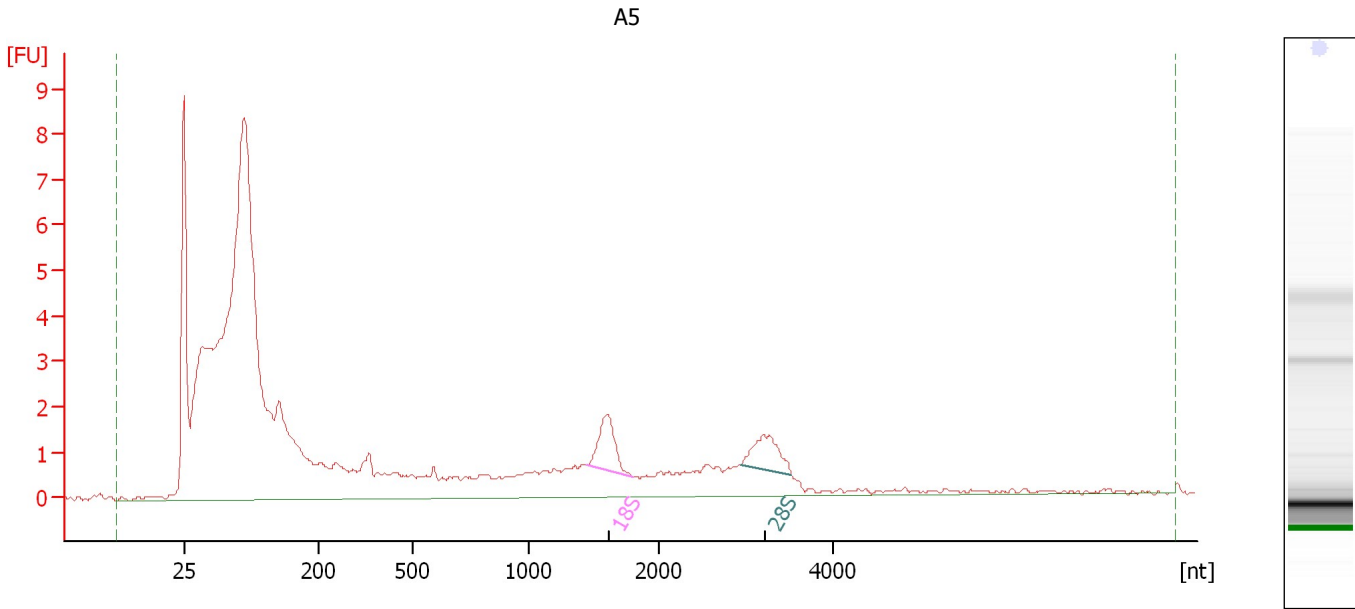
**Overall Results for Ladder**

RNA Area:	108.1	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 6 : A5**

RNA Area:	113.9	RNA Integrity Number (RIN):	3.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,054 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]:	0.8	Result Flagging Label:	RIN: 3.10

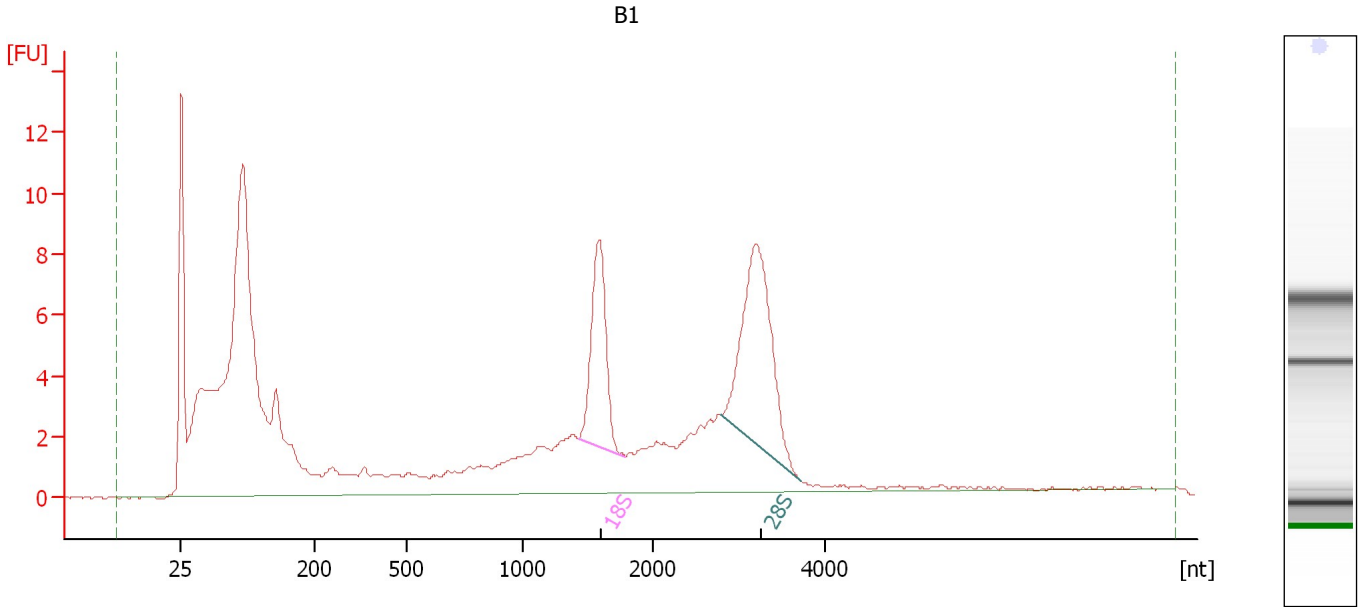
**Fragment table for sample 6 : A5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,448	1,793	2.5	2.2
28S	2,948	3,527	2.1	1.8

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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : B1**

RNA Area:	186.9	RNA Integrity Number (RIN):	7.1 (B.02.08)
RNA Concentration:	1,729 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]:	1.6	Result Flagging Label:	RIN: 7.10

**Fragment table for sample 7 : B1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,427	1,791	12.8	6.8
28S	2,805	3,723	21.1	11.3

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**Gel Image**

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**Curves**

**Standard Curve**

