

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-07\2019-03-07_004.xad

Created: 3/7/2019 12:45:27 PM
Modified: 3/7/2019 12:56:57 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

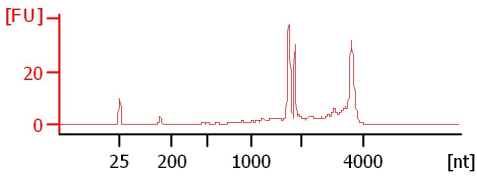
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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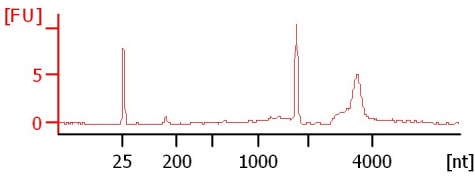
Chip Information:

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

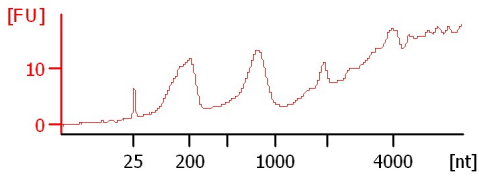
Sample 1 input 3.6.19
RIN: 8.20



Sample 2 input 3.6.19
RIN: 8.50



Sample 3 input 3.6.19
RIN N/A



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1 input 3.6.19		✓	RIN: 8.20	
Sample 2 input 3.6.19		✓	RIN: 8.50	
Sample 3 input 3.6.19		✓	RIN N/A	
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 :

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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/ μ l] : 1000

Lower Marker Concentration [pg/ μ l] : 0

Upper Marker Concentration [pg/ μ 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

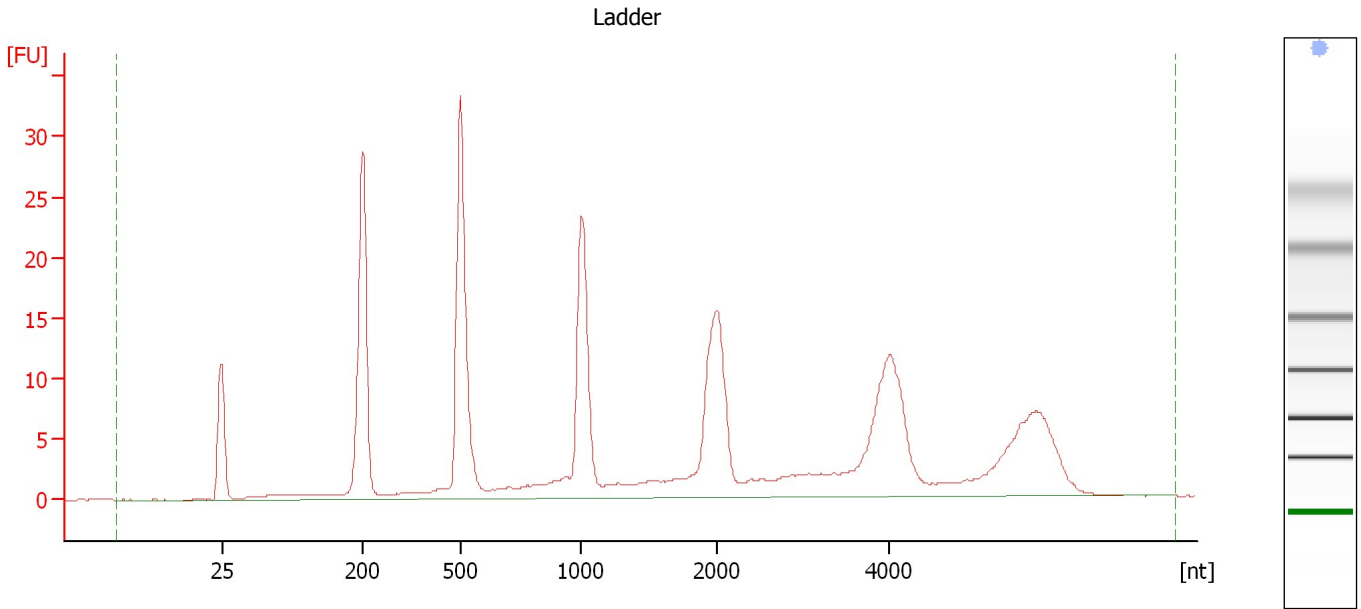
Ladder

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

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Electropherogram Summary



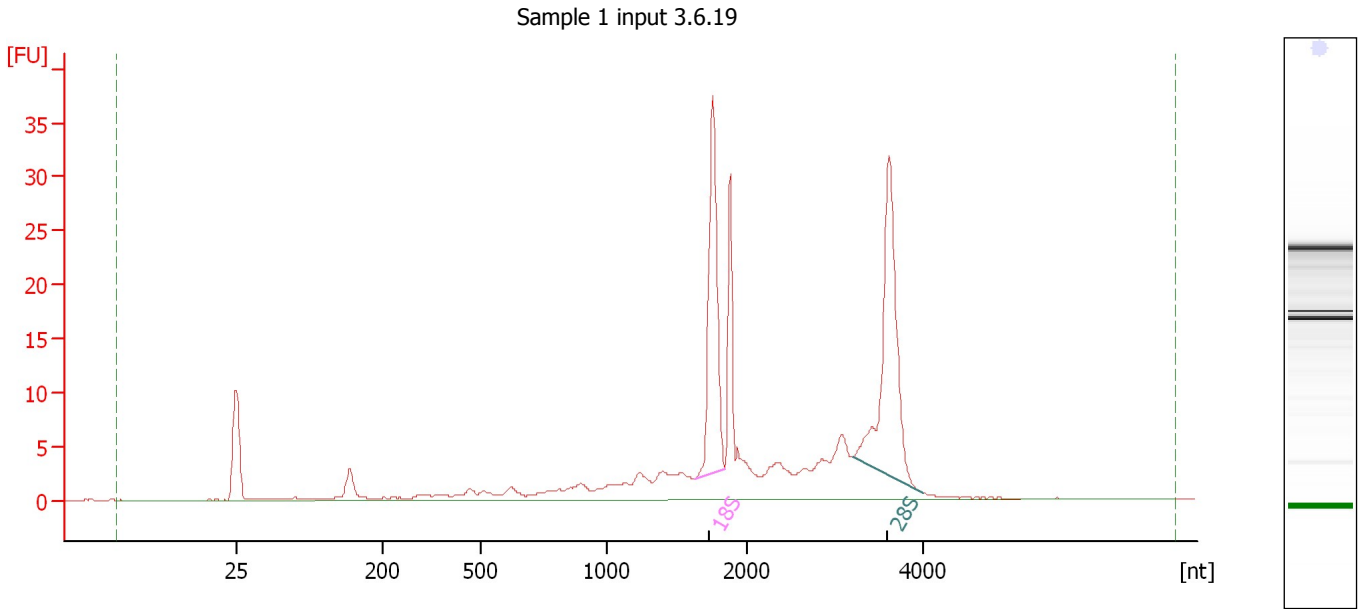
Overall Results for Ladder

RNA Area:	278.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1 input 3.6.19

RNA Area:	189.6	RNA Integrity Number (RIN):	8.2 (B.02.08)
RNA Concentration:	680 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.20

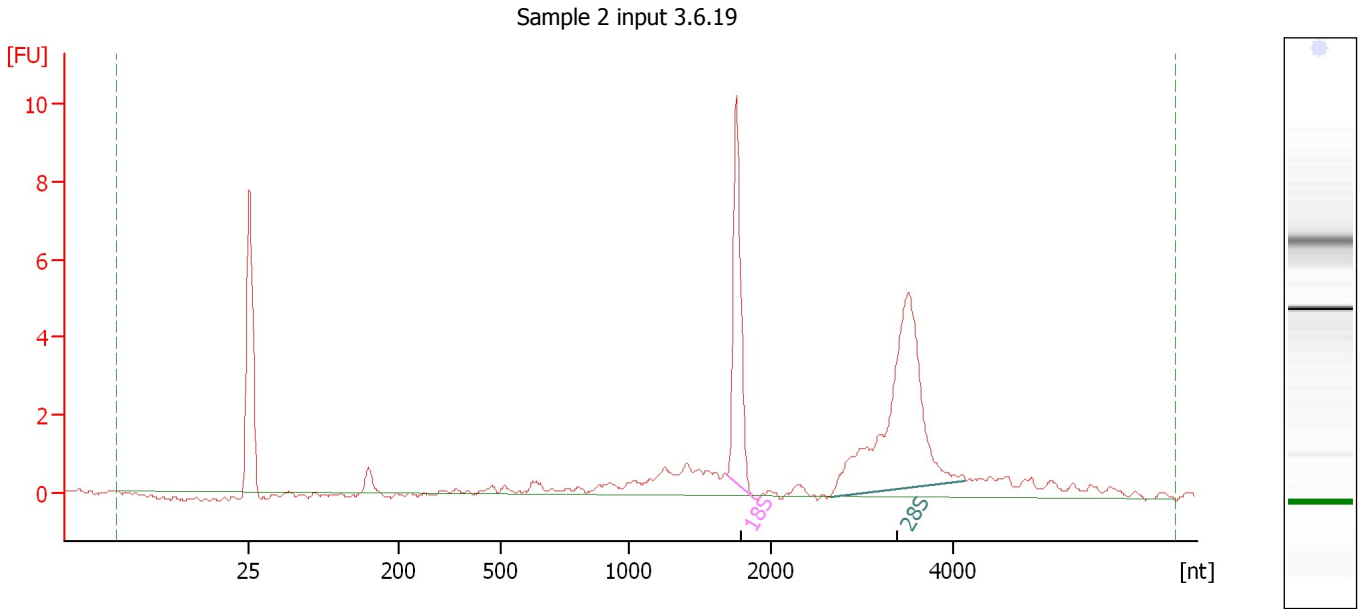
Fragment table for sample 1 : Sample 1 input 3.6.19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,622	1,844	32.8	17.3
28S	3,191	4,000	41.1	21.7

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Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2 input 3.6.19

RNA Area: 42.0 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 151 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 8.50

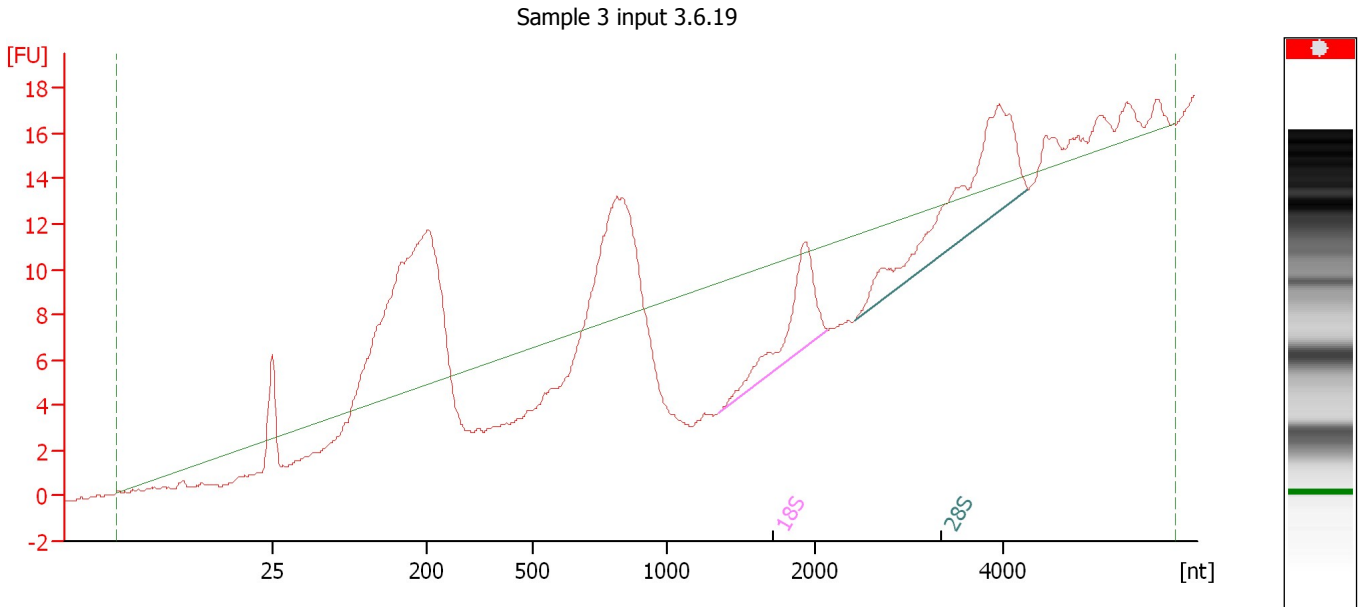
Fragment table for sample 2 : Sample 2 input 3.6.19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,688	1,882	8.3	19.7
28S	2,651	4,137	16.9	40.2

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Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3 input 3.6.19

RNA Area:	98.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	353 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN N/A

Fragment table for sample 3 : Sample 3 input 3.6.19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,355	2,128	13.2	13.4
28S	2,411	4,247	26.5	26.9

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Gel Image

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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.