

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-19\2019-02-19_001.xad

Created: 2/19/2019 2:40:08 PM
Modified: 2/19/2019 3:01:37 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)

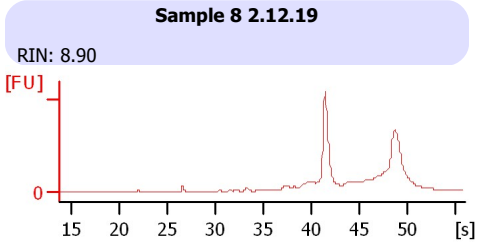
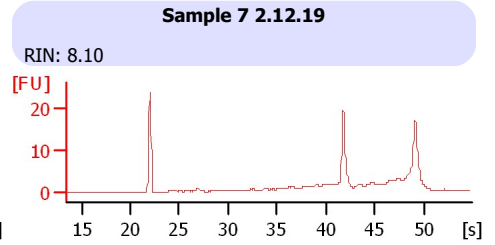
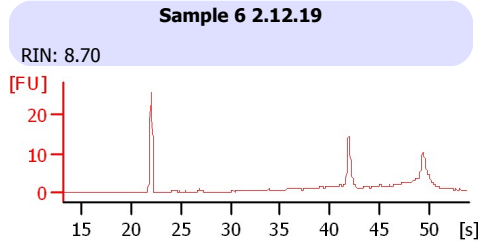
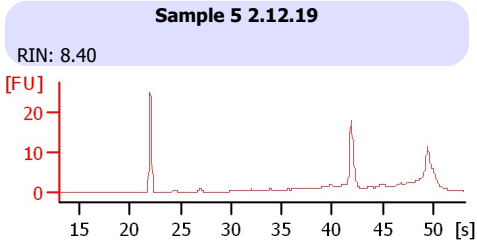
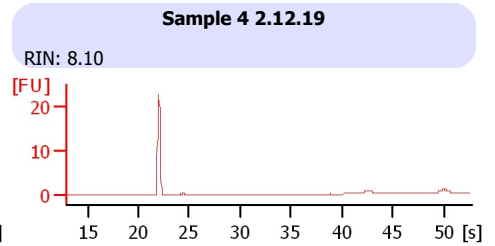
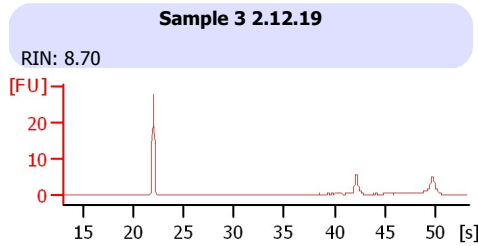
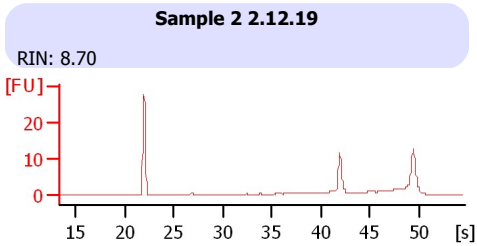
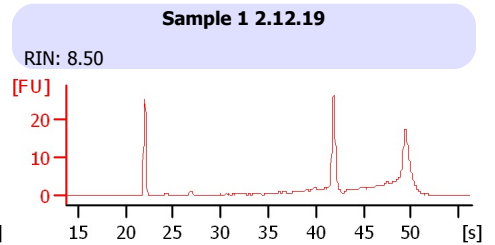
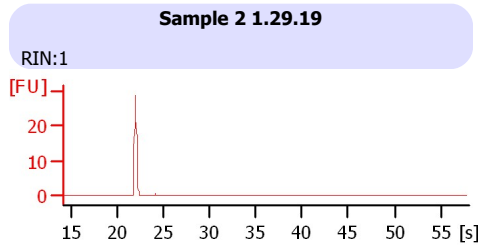
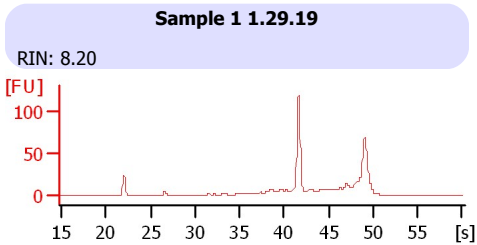
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1 1.29.19		✓	RIN: 8.20	
Sample 2 1.29.19		✓	RIN:1	
Sample 1 2.12.19		✓	RIN: 8.50	
Sample 2 2.12.19		✓	RIN: 8.70	
Sample 3 2.12.19		✓	RIN: 8.70	
Sample 4 2.12.19		✓	RIN: 8.10	
Sample 5 2.12.19		✓	RIN: 8.40	
Sample 6 2.12.19		✓	RIN: 8.70	
Sample 7 2.12.19		✓	RIN: 8.10	
Sample 8 2.12.19		✓	RIN: 8.90	
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/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

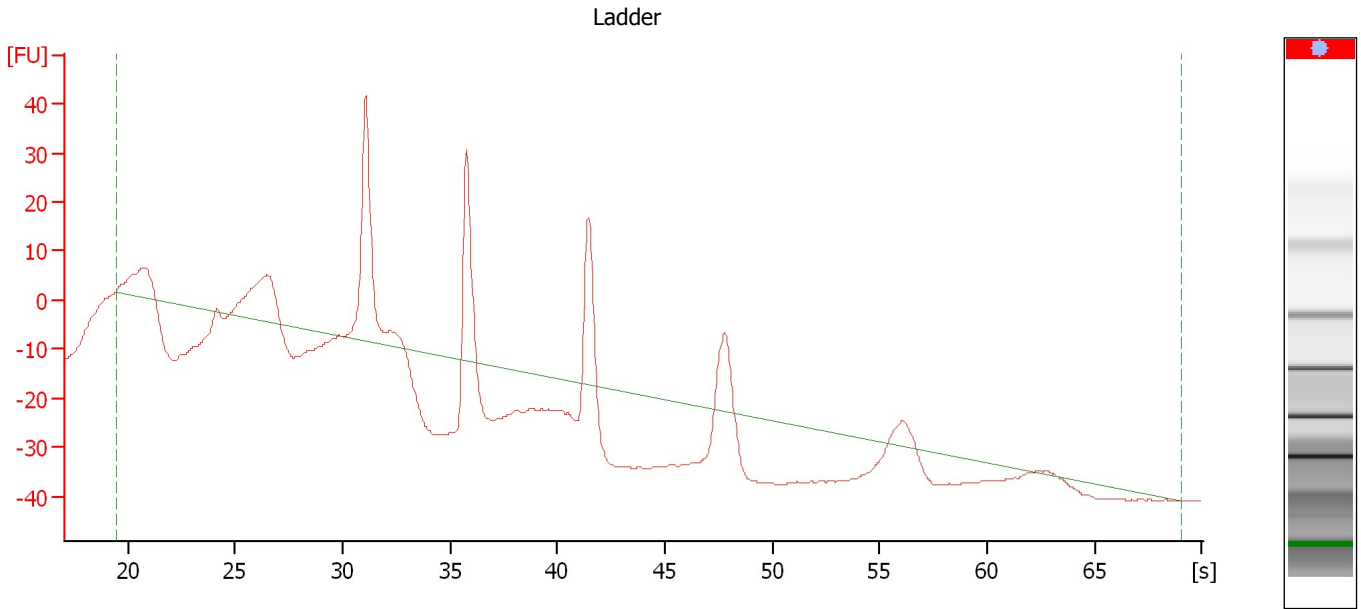
Ladder

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

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Electropherogram Summary



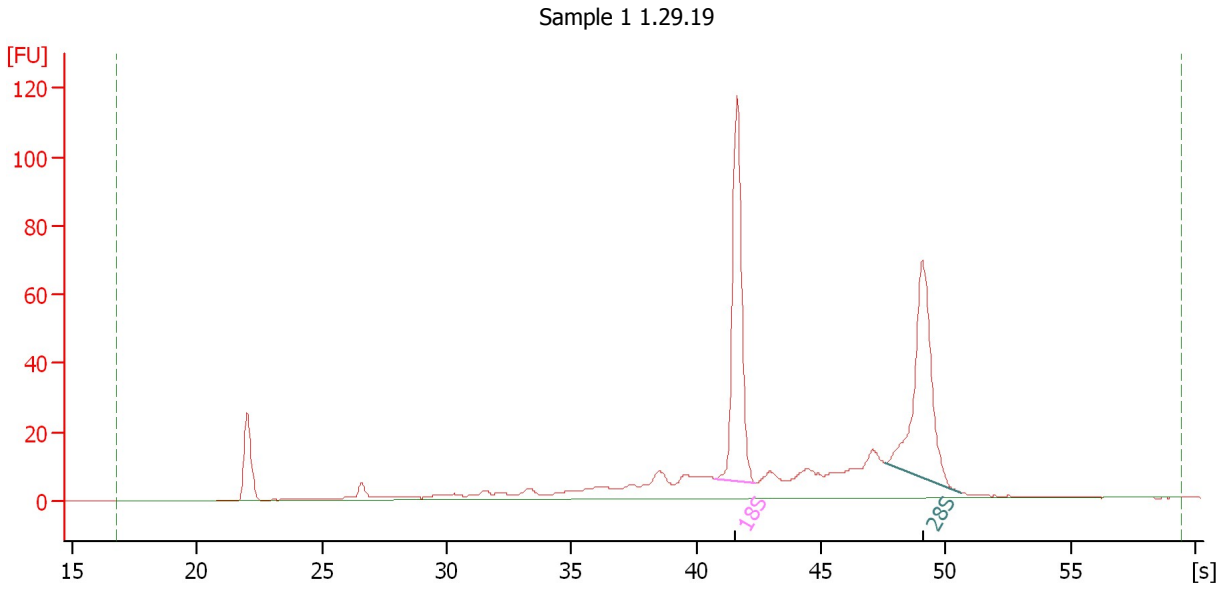
Overall Results for Ladder

RNA Area:	238.2	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 1.29.19

RNA Area:	489.8	RNA Integrity Number (RIN):	8.2 (B.02.08)
RNA Concentration:	2,056 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 8.20

Fragment table for sample 1 : Sample 1 1.29.19

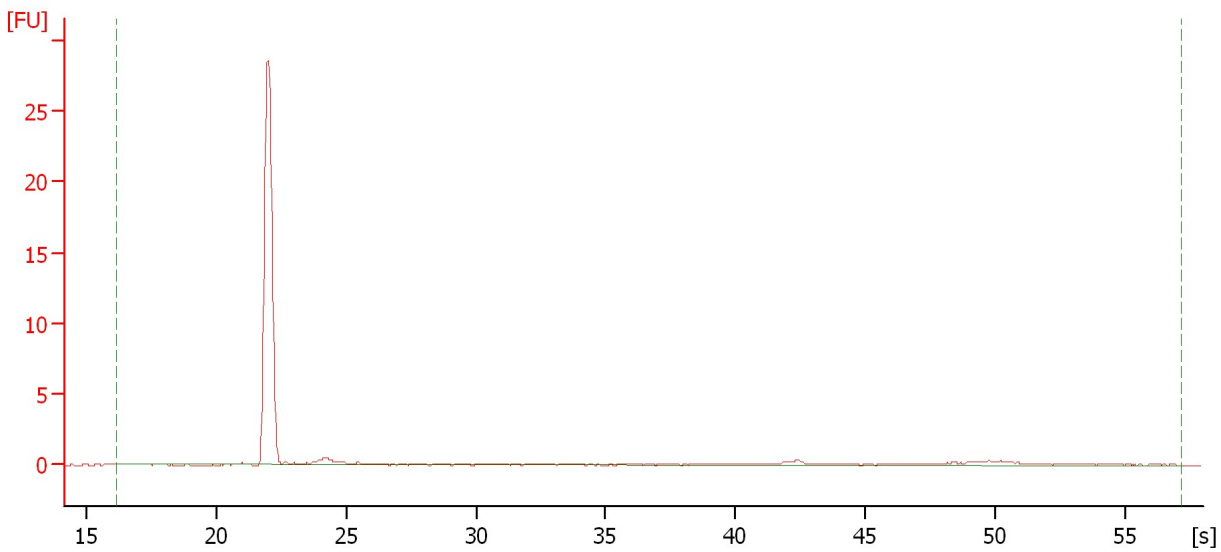
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	0	0	111.6	22.8
28S	0	0	102.6	20.9

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Electropherogram Summary Continued ...

Sample 2 1.29.19



Overall Results for sample 2 : Sample 2 1.29.19

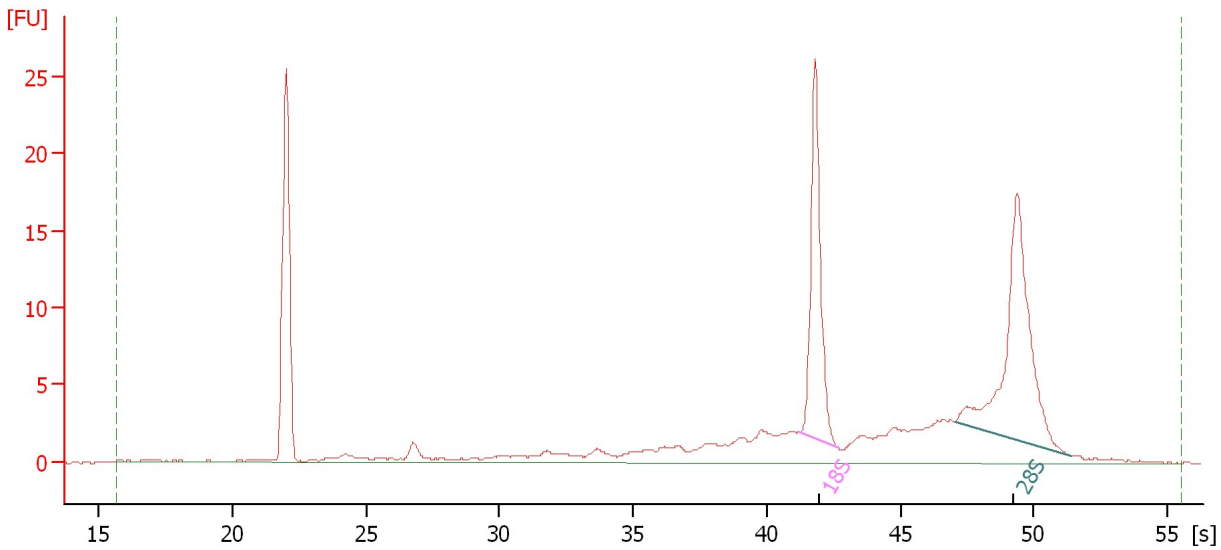
RNA Area:	8.8	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	37 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

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Electropherogram Summary Continued ...

Sample 1 2.12.19



Overall Results for sample 3 : Sample 1 2.12.19

RNA Area: 131.7 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 553 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 8.50

Fragment table for sample 3 : Sample 1 2.12.19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	0	0	24.4	18.6
28S	0	0	33.3	25.3

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