

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-06-14\QC1876_3-4.xad

Created: 6/14/2024 4:40:12 PM
 Modified: 6/14/2024 5:36:09 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 (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

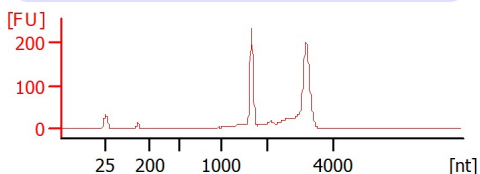
Assay Class: Eukaryote Total RNA Pico
 Version: 2.6
 Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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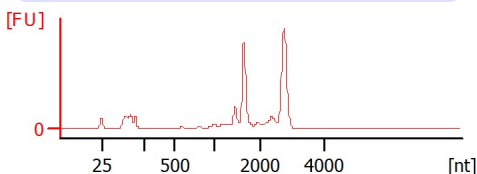
Chip Information:

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

QC1876-3 (1:25)
 RIN: 9.40



QC1876-4 (1:60)
 RIN: 8.60



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1876-3 (1:25)		✓	RIN: 9.40	
QC1876-4 (1:60)		✓	RIN: 8.60	
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

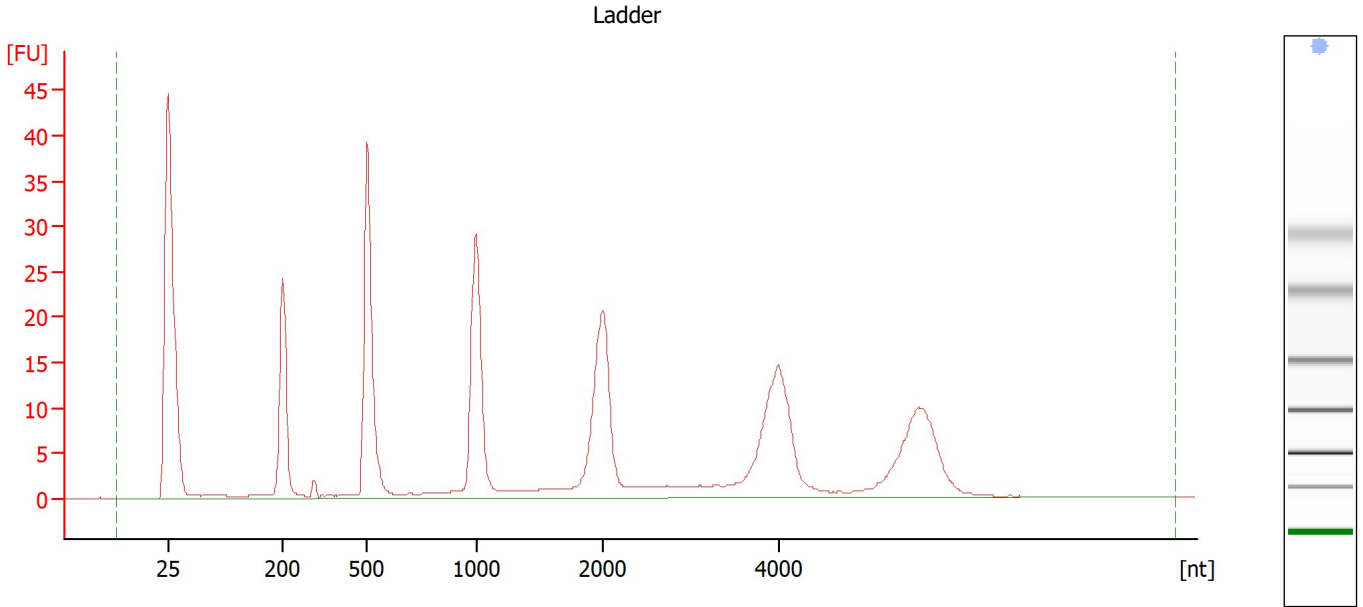
Ladder

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

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Electropherogram Summary



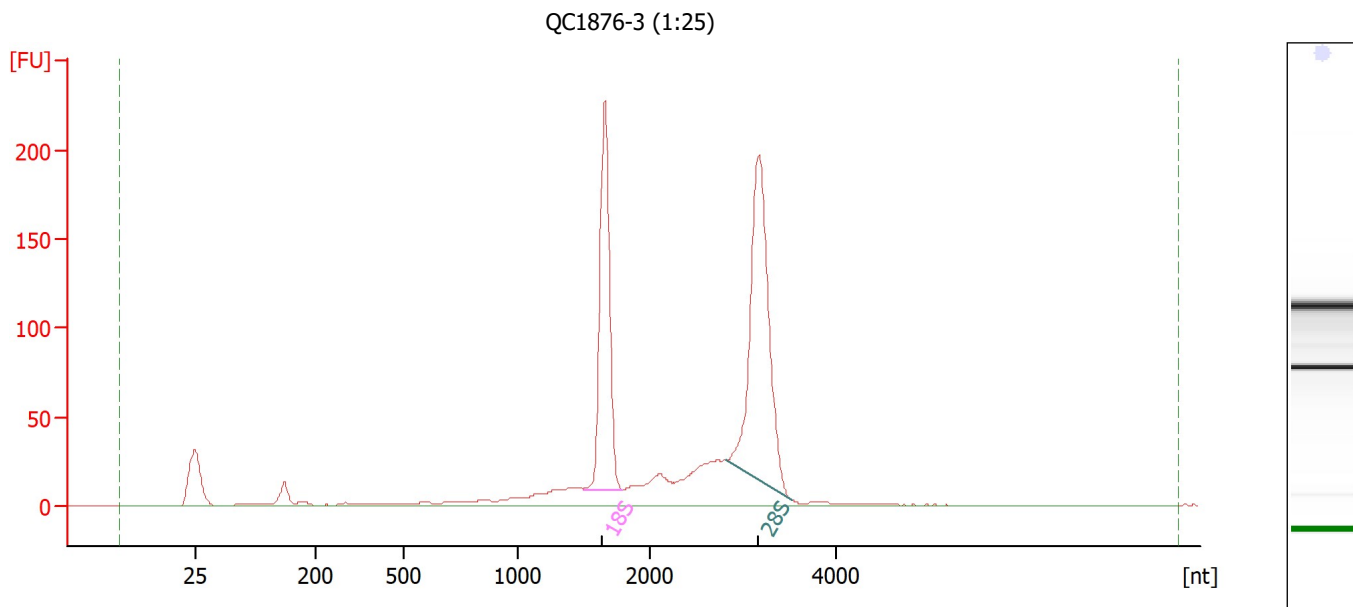
Overall Results for Ladder

RNA Area:	295.6	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 5 : QC1876-3 (1:25)

RNA Area:	1,094.7	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	3,703 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 9.40

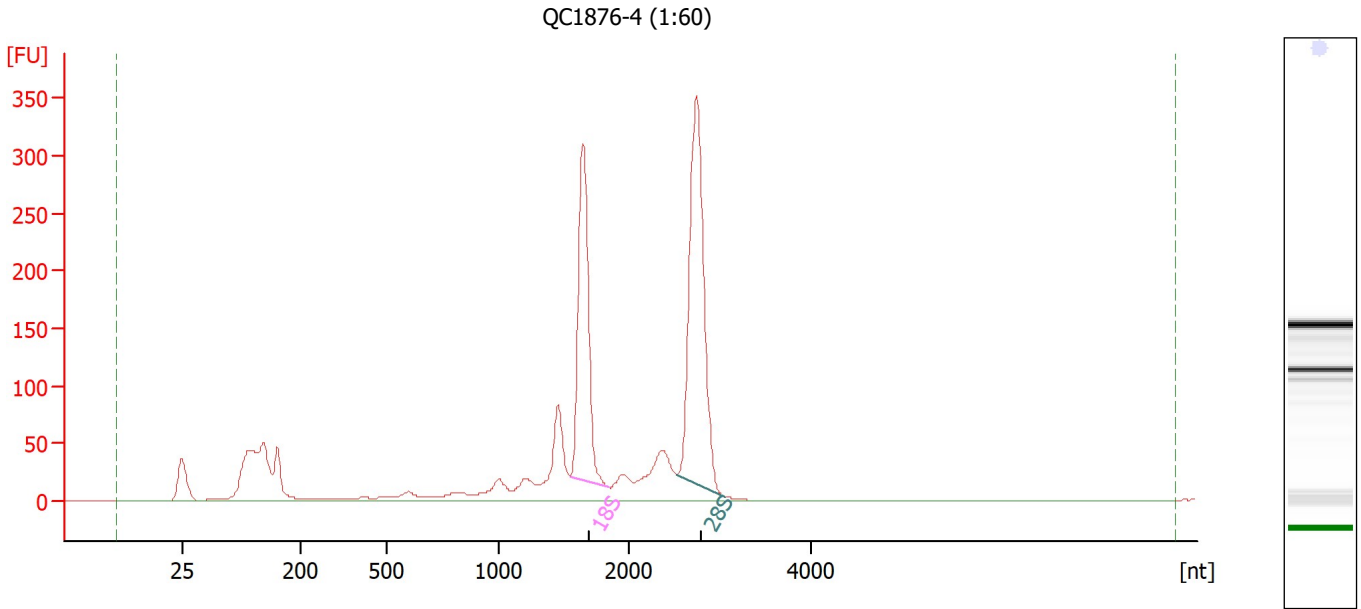
Fragment table for sample 5 : QC1876-3 (1:25)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,496	1,787	266.7	24.4
28S	2,826	3,530	365.8	33.4

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Electropherogram Summary Continued ...



Overall Results for sample 6 : QC1876-4 (1:60)

RNA Area:	1,914.6	RNA Integrity Number (RIN):	8.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	6,477 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.60

Fragment table for sample 6 : QC1876-4 (1:60)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,546	1,843	383.2	20.0
28S	2,529	3,058	555.5	29.0

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Gel Image

Assay Class: Eukaryote Total RNA Pico
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Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		6/14/2024 5:03:07 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2024-06-14\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2024-06-14_001.xad)		Instrument	Run		6/14/2024 4:40:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/14/2024 4:40:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/14/2024 4:40:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/14/2024 4:40:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/14/2024 4:40:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/14/2024 4:40:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/14/2024 4:40:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB