

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2026-04-03\QC2476.xad

Created: 4/3/2026 4:48:26 PM
Modified: 4/3/2026 5:16:35 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 Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

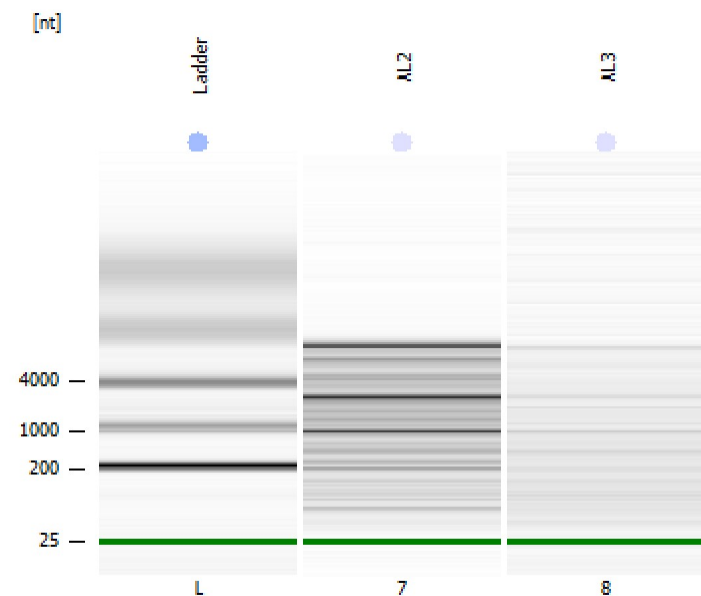
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Chip Information:

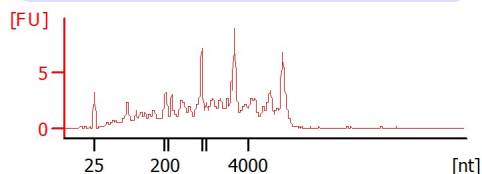
Chip Lot #:

Reagent Kit Lot #:

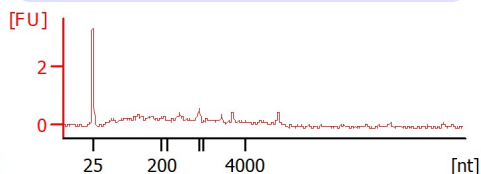
Chip Comments:



QC2476
RIN: 5.70



QC2476
RIN: 1.80



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
AL2	QC2476	✓	RIN: 5.70	
AL3	QC2476	✓	RIN: 1.80	
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.) : 13

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 19

End Analysis Time Range [s] : 69

Ladder Concentration [ng/μl] : 150

Lower Marker Concentration [ng/μl] : 0

Upper Marker Concentration [ng/μl] : 0

Used Lower Marker for Quantitation

Standard Curve Fit is Logarithmic

Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.5

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

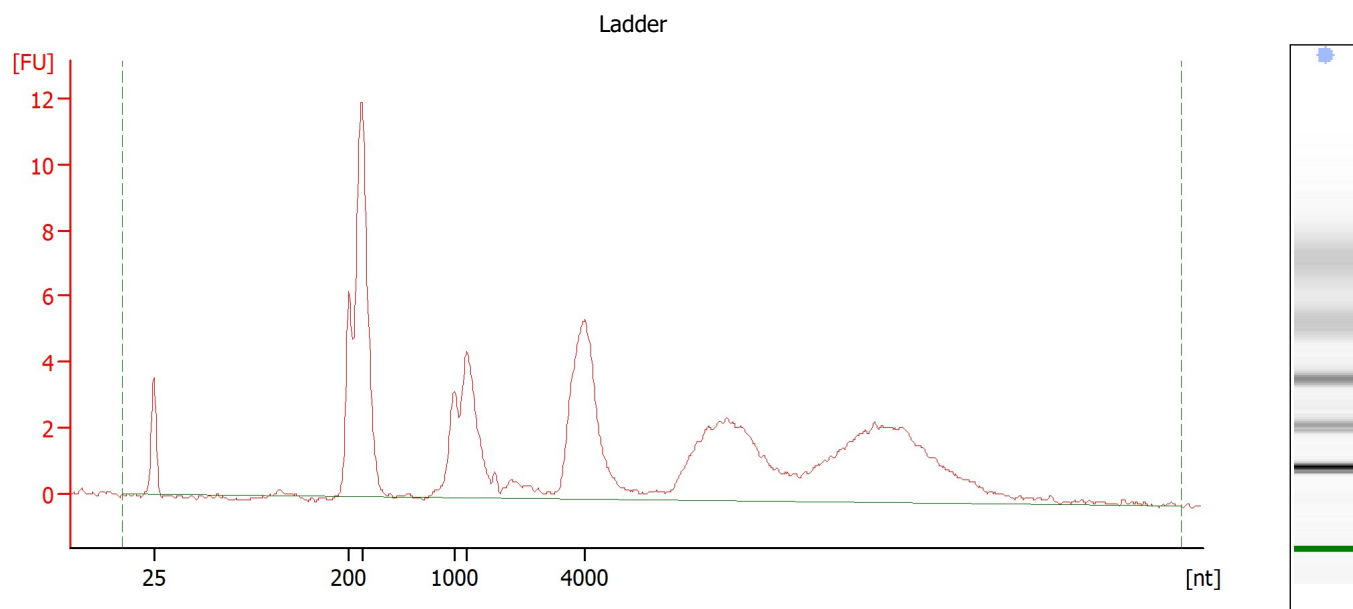
Ladder

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: 115.5

Result Flagging Color:



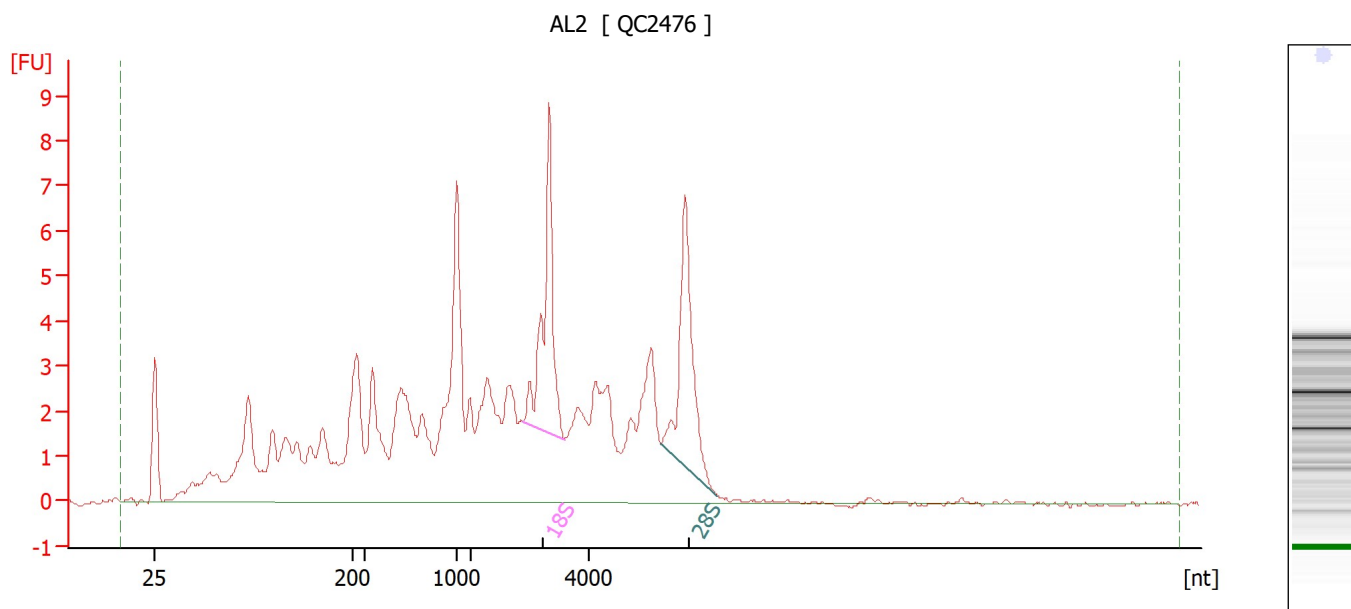
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

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Electropherogram Summary Continued ...**Overall Results for sample 7 : AL2**

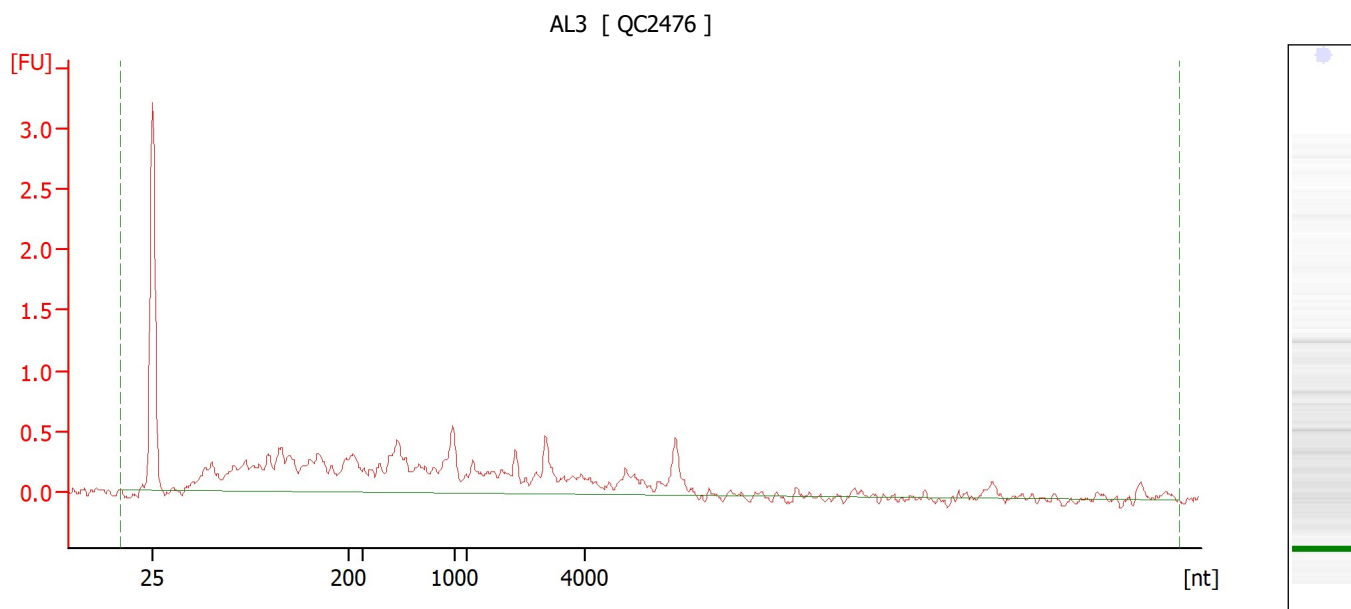
RNA Area:	131.6	RNA Integrity Number (RIN):	5.7 (B.02.10)
RNA Concentration:	171 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 5.70

Fragment table for sample 7 : AL2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,882	3,586	9.1	6.9
28S	5,229	6,168	8.9	6.8

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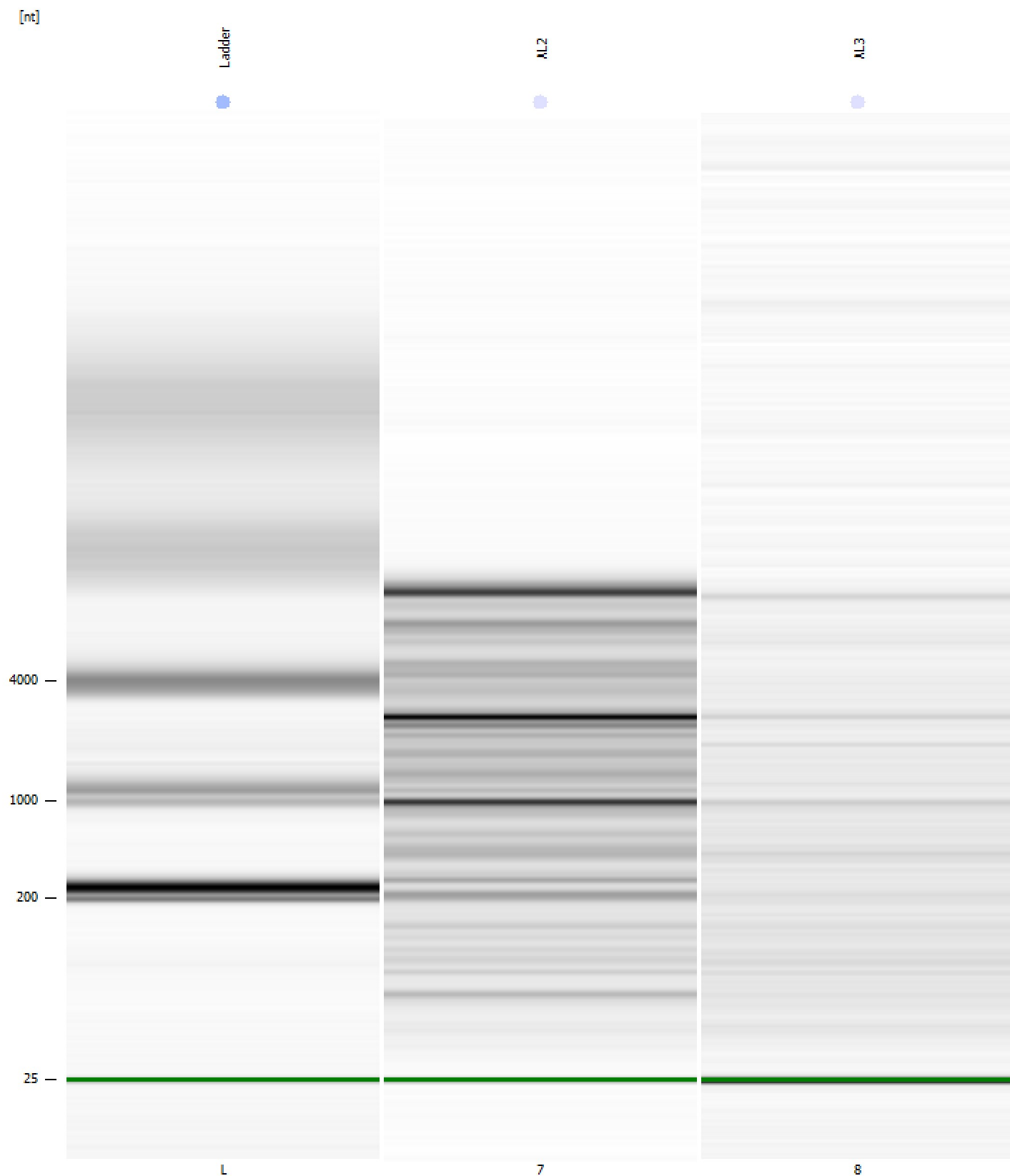
Created: 4/3/2026 4:48:26 PM
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Electropherogram Summary Continued ...**Overall Results for sample 8 : AL3**

RNA Area:	14.3	RNA Integrity Number (RIN):	1.8 (B.02.10)
RNA Concentration:	19 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80

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Gel Image

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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: 13)		Instrument	Run		4/3/2026 5:12:10 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\2026-04-03\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2026-04-03_001.xad)		Instrument	Run		4/3/2026 4:48:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		4/3/2026 4:48:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		4/3/2026 4:48:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		4/3/2026 4:48:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		4/3/2026 4:48:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		4/3/2026 4:48:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		4/3/2026 4:48:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB