

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2026-04-09\QC2484.xad

Created: 4/9/2026 1:03:08 PM
Modified: 4/9/2026 1:34:14 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)

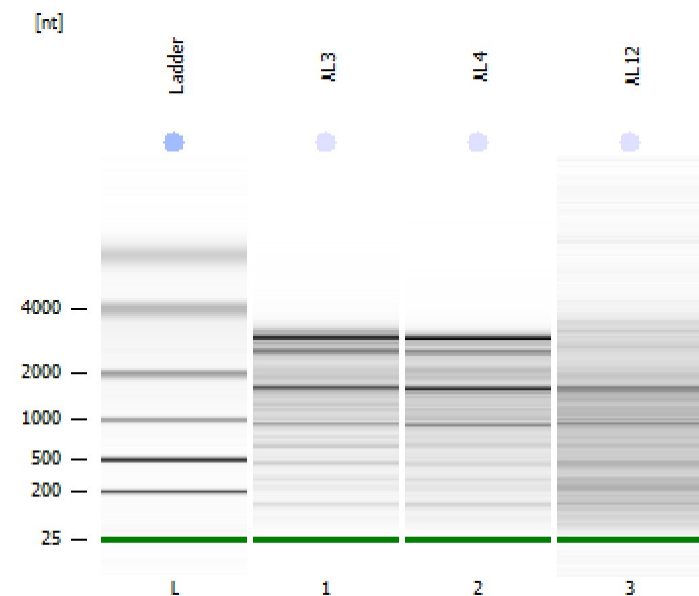
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Chip Information:

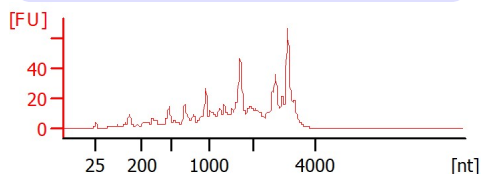
Chip Lot #:

Reagent Kit Lot #:

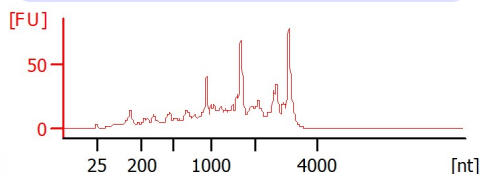
Chip Comments:



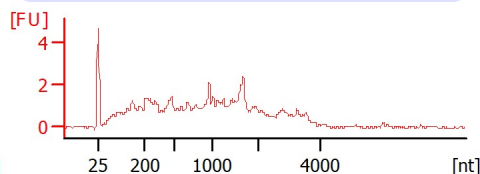
QC2484
RIN: 5.90



QC2484
RIN: 5.80



QC2484
RIN: 3.80



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
AL3	QC2484	✓	RIN: 5.90	
AL4	QC2484	✓	RIN: 5.80	
AL12	QC2484	✓	RIN: 3.80	
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

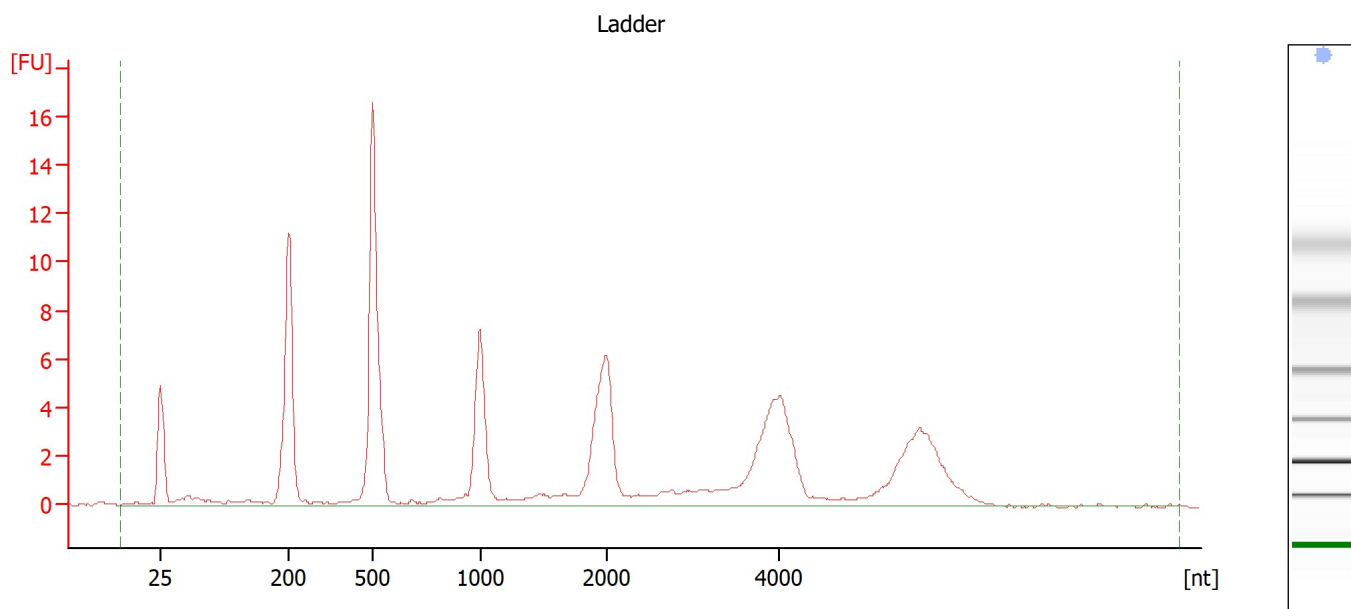
Ladder

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: 115.1

Result Flagging Color:



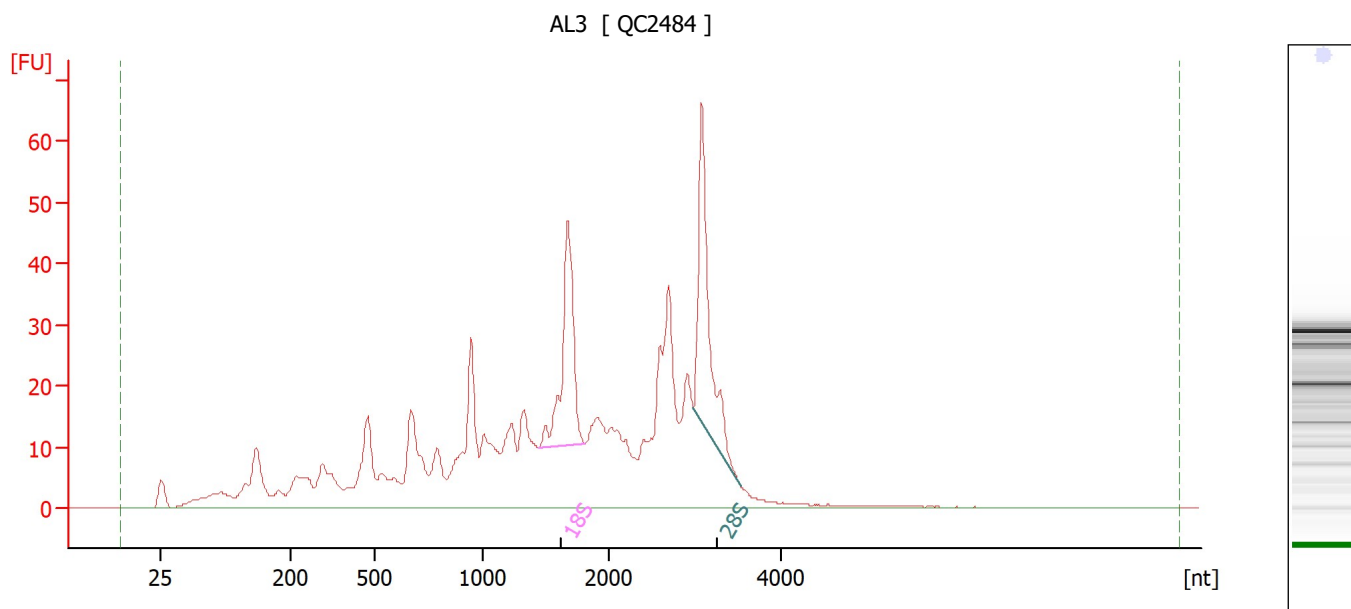
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

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Electropherogram Summary Continued ...**Overall Results for sample 1 : AL3**

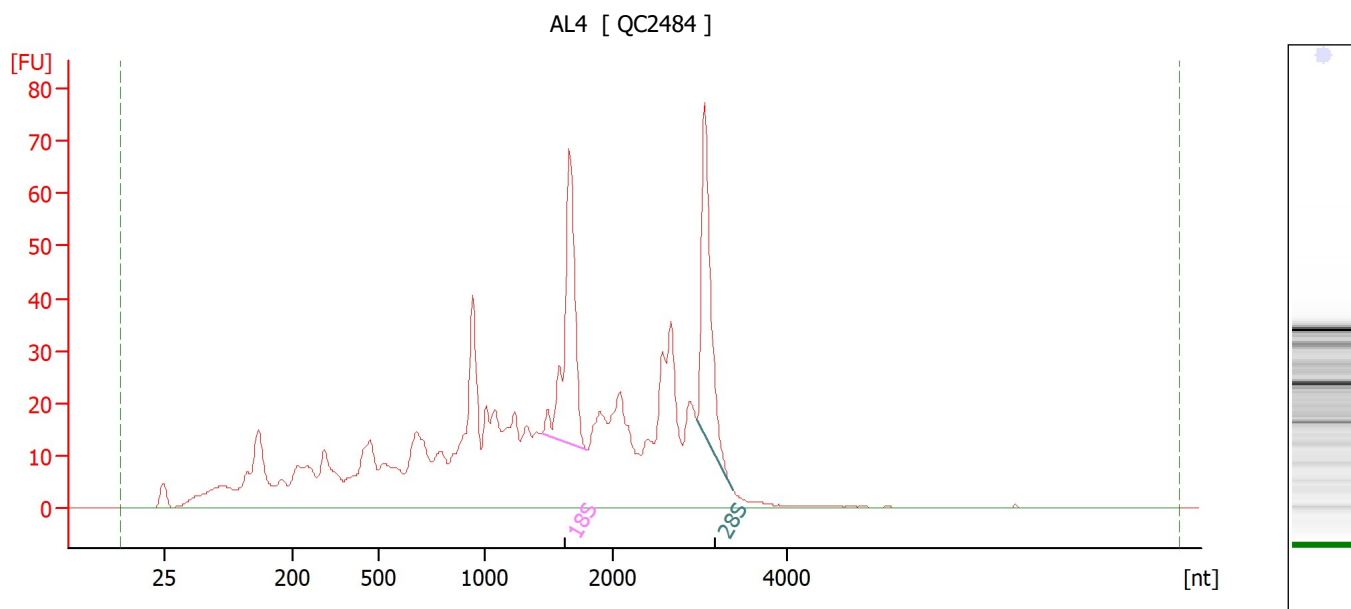
RNA Area:	739.0	RNA Integrity Number (RIN):	5.9 (B.02.10)
RNA Concentration:	963 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 5.90

Fragment table for sample 1 : AL3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,450	1,822	54.5	7.4
28S	2,985	3,527	63.2	8.6

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Electropherogram Summary Continued ...**Overall Results for sample 2 : AL4**

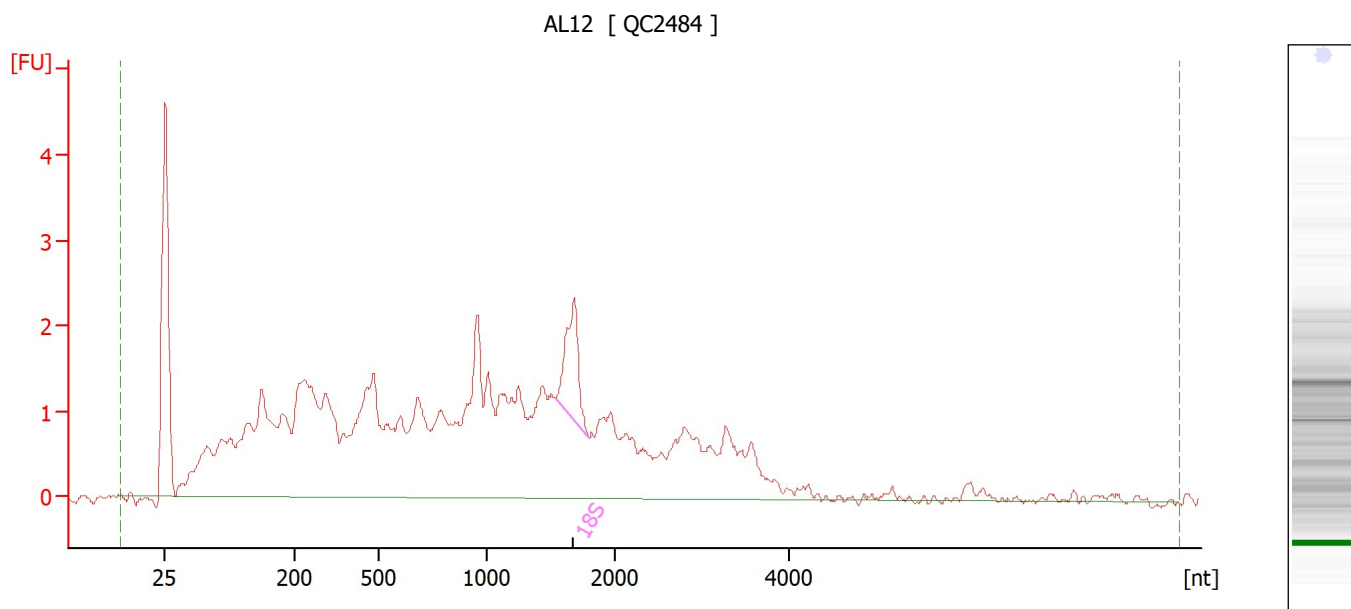
RNA Area:	950.8	RNA Integrity Number (RIN):	5.8 (B.02.10)
RNA Concentration:	1,239 ng/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 5.80

Fragment table for sample 2 : AL4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,445	1,798	78.8	8.3
28S	2,969	3,373	68.5	7.2

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Electropherogram Summary Continued ...**Overall Results for sample 3 : AL12**

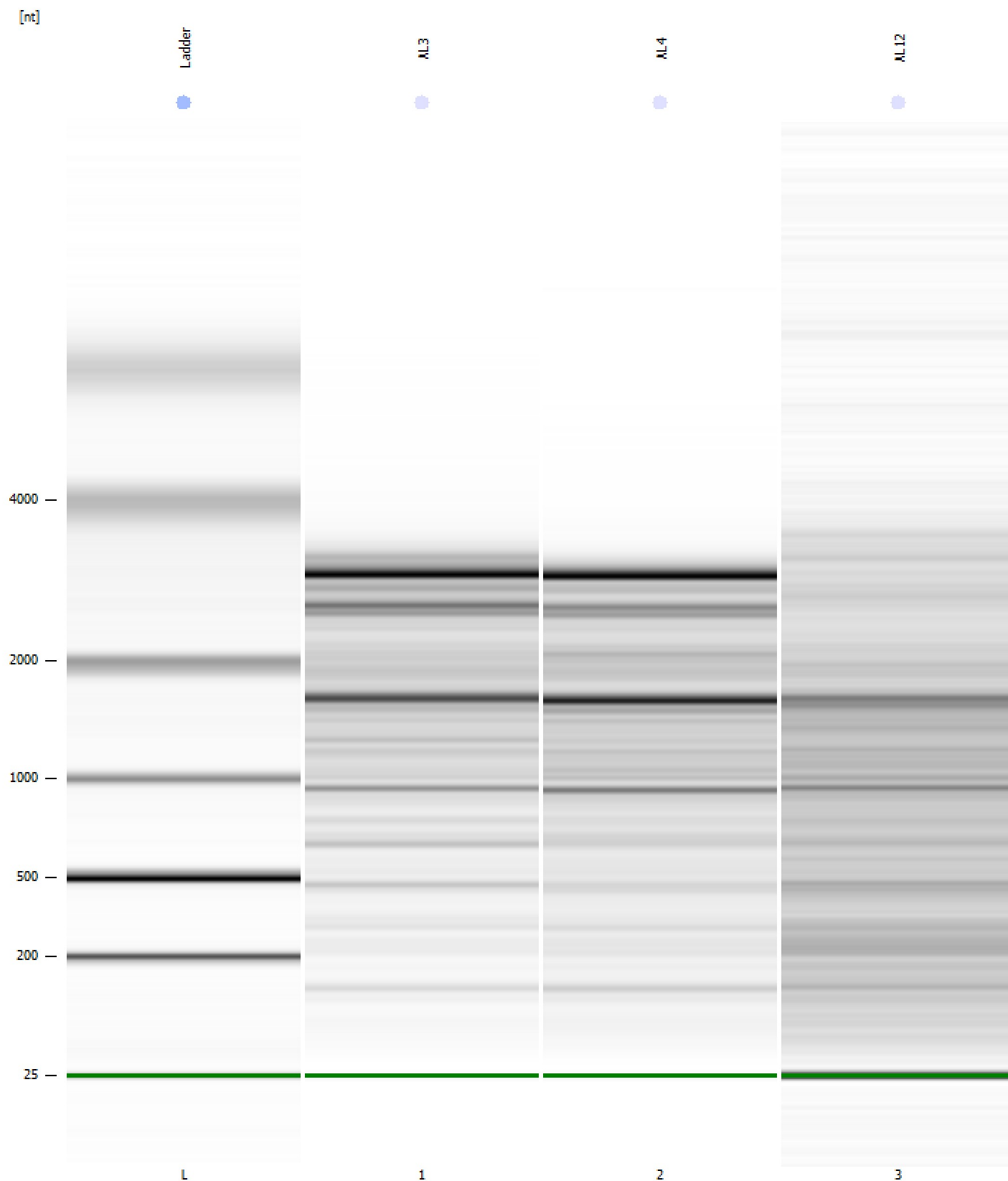
RNA Area:	72.3	RNA Integrity Number (RIN):	3.8 (B.02.10)
RNA Concentration:	94 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.80

Fragment table for sample 3 : AL12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,539	1,790	2.3	3.2

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Gel Image

Assay Class: Eukaryote Total RNA Nano
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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		4/9/2026 1:25:34 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\2026-04-09\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2026-04-09_001.xad)		Instrument	Run		4/9/2026 1:03:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		4/9/2026 1:03:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		4/9/2026 1:03:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		4/9/2026 1:03:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		4/9/2026 1:03:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		4/9/2026 1:03:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		4/9/2026 1:03:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB