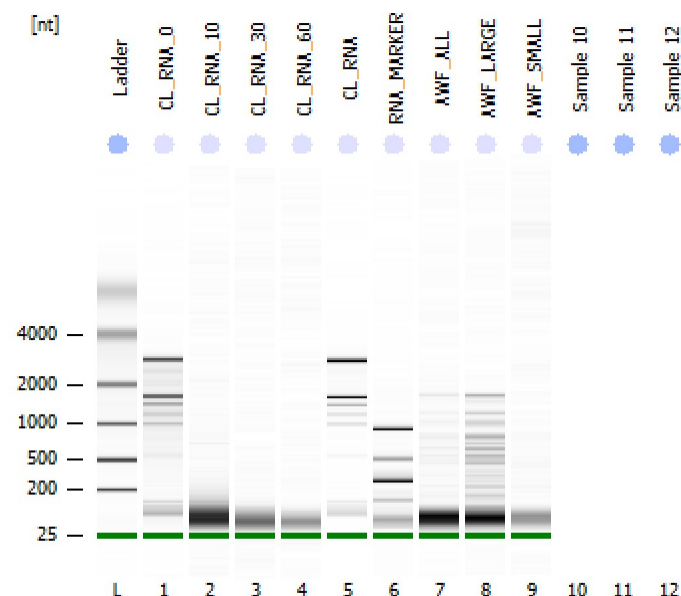


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-08-29_001.xad

Created: 8/29/2025 2:43:25 PM
Modified: 8/29/2025 3:33:15 PM

Electrophoresis File Run Summary



Instrument Information:

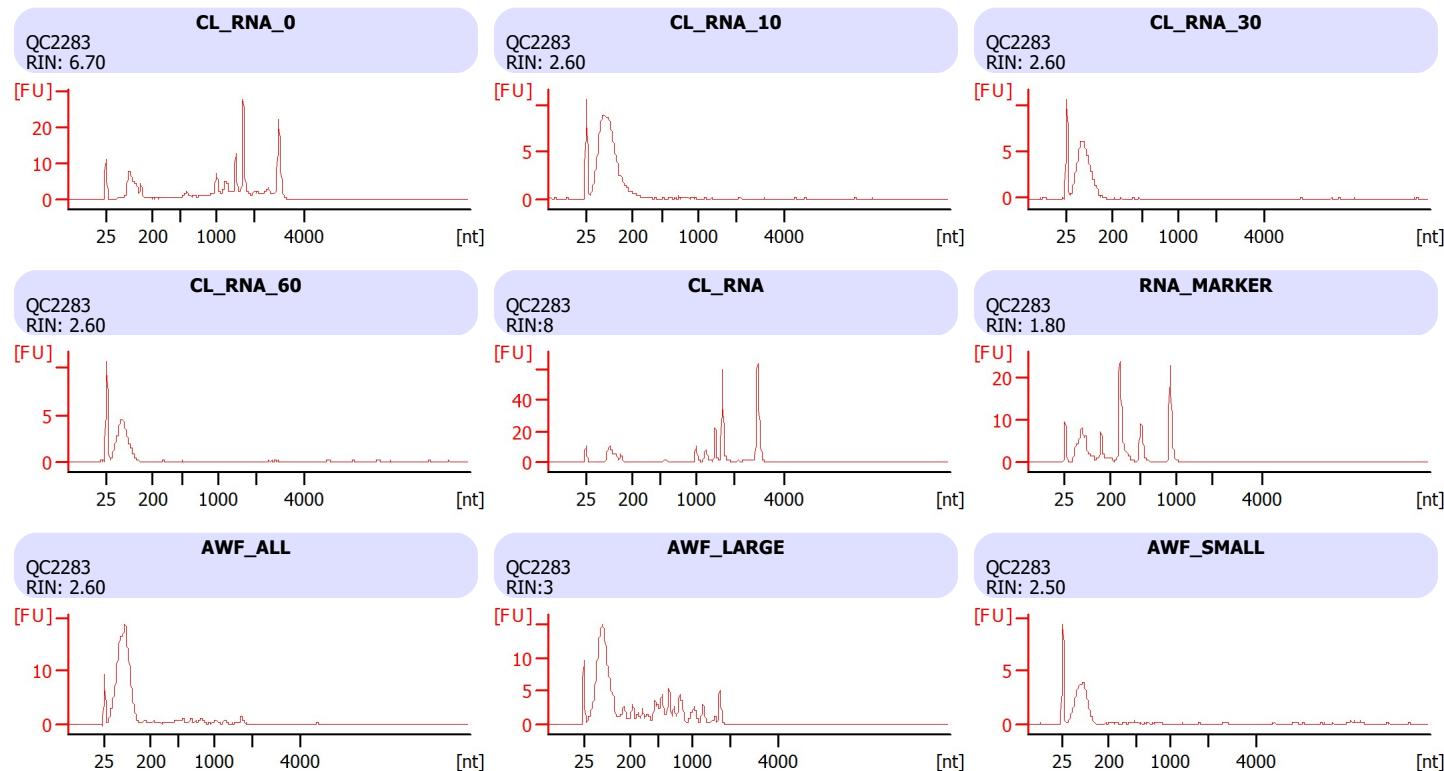
Instrument Name: DE34903152
Serial#: DE34903152
Firmware: C.01.069
Type: G2938C

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:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-08-29_001.xad

Created: 8/29/2025 2:43:25 PM
Modified: 8/29/2025 3:33:15 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
CL_RNA_0	QC2283	✓	RIN: 6.70	
CL_RNA_10	QC2283	✓	RIN: 2.60	
CL_RNA_30	QC2283	✓	RIN: 2.60	
CL_RNA_60	QC2283	✓	RIN: 2.60	
CL_RNA	QC2283	✓	RIN:8	
RNA_MARKER	QC2283	✓	RIN: 1.80	
AWF_ALL	QC2283	✓	RIN: 2.60	
AWF_LARGE	QC2283	✓	RIN:3	
AWF_SMALL	QC2283	✓	RIN: 2.50	
Sample 10	QC2283		All Other Samples	
Sample 11	QC2283		All Other Samples	
Sample 12	QC2283		All Other Samples	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-08-29_001.xad

Created: 8/29/2025 2:43:25 PM
 Modified: 8/29/2025 3:33:15 PM

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

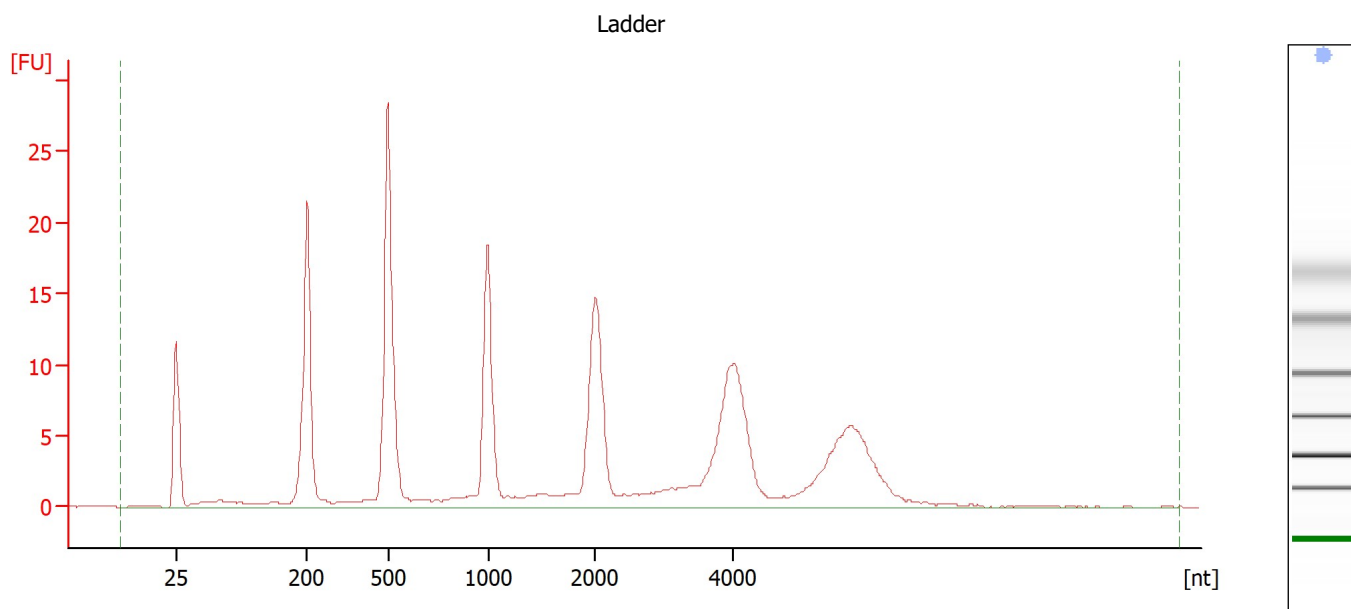
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-08-29_001.xad

Created: 8/29/2025 2:43:25 PM
Modified: 8/29/2025 3:33:15 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 221.2

Result Flagging Color:



RNA Concentration: 150 ng/μl

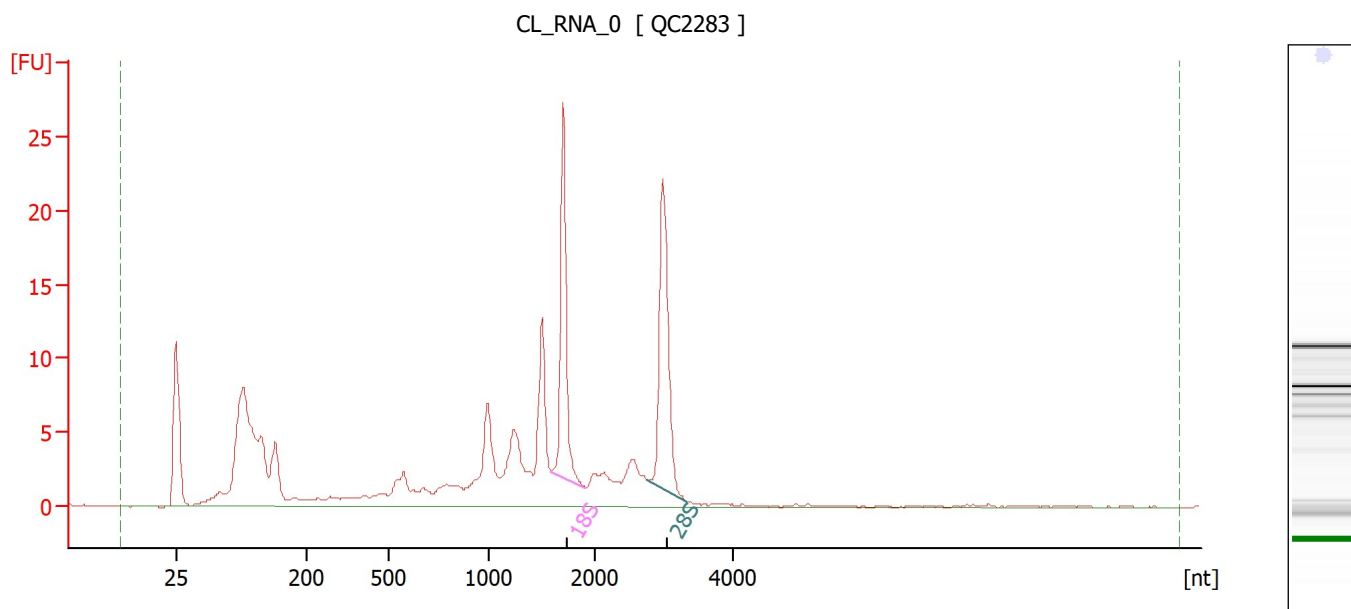
Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-08-29_001.xad

Created: 8/29/2025 2:43:25 PM
Modified: 8/29/2025 3:33:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : CL_RNA_0

RNA Area:	181.2	RNA Integrity Number (RIN):	6.7 (B.02.10)
RNA Concentration:	123 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.70

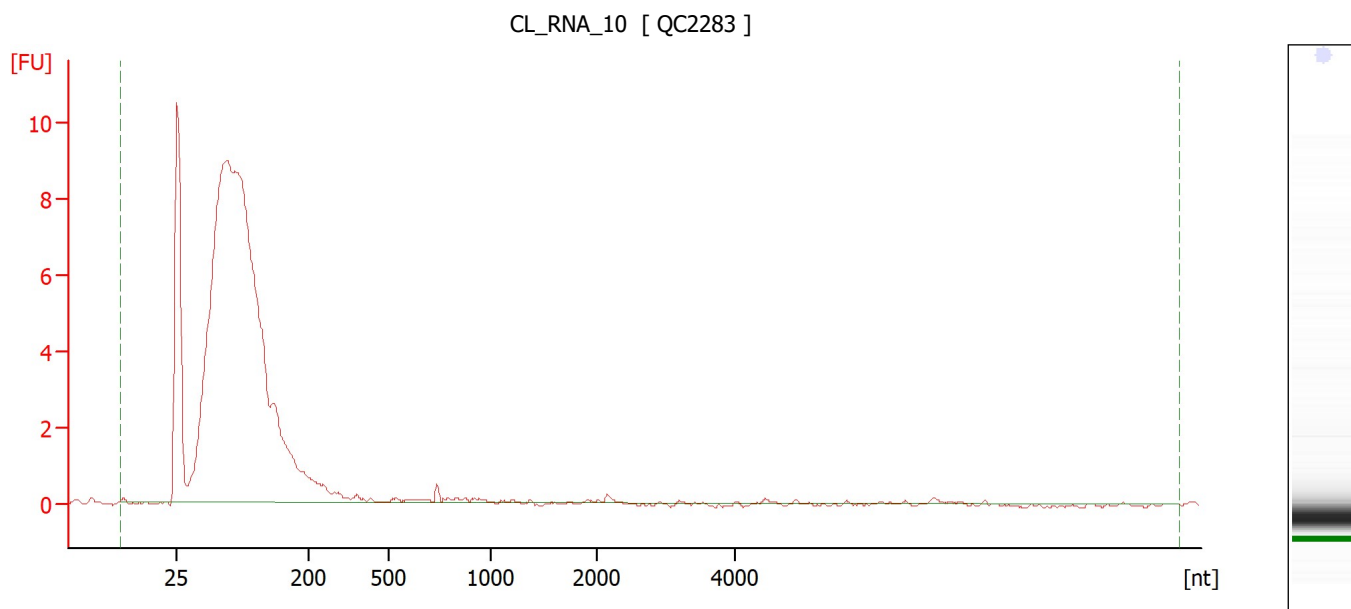
Fragment table for sample 1 : CL_RNA_0

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,590	1,909	19.9	11.0
28S	2,759	3,317	21.8	12.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-08-29_001.xad

Created: 8/29/2025 2:43:25 PM
Modified: 8/29/2025 3:33:15 PM

Electropherogram Summary Continued ...



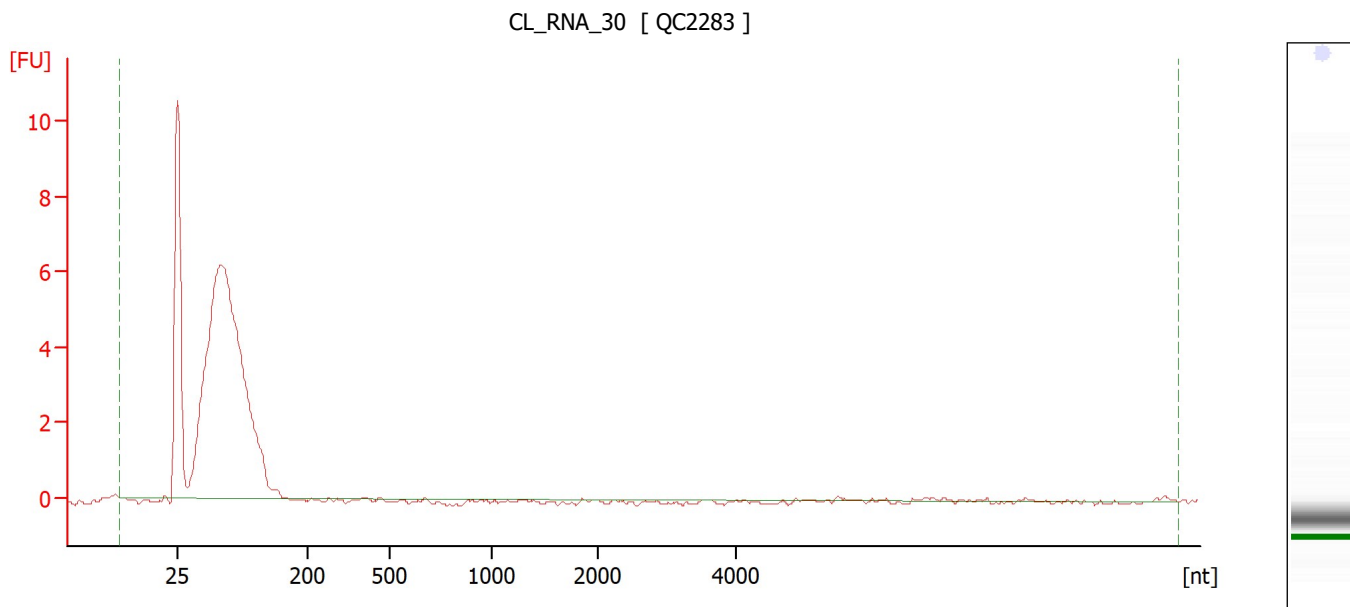
Overall Results for sample 2 : CL_RNA_10

RNA Area:	102.1	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	69 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-08-29_001.xad

Created: 8/29/2025 2:43:25 PM
Modified: 8/29/2025 3:33:15 PM

Electropherogram Summary Continued ...



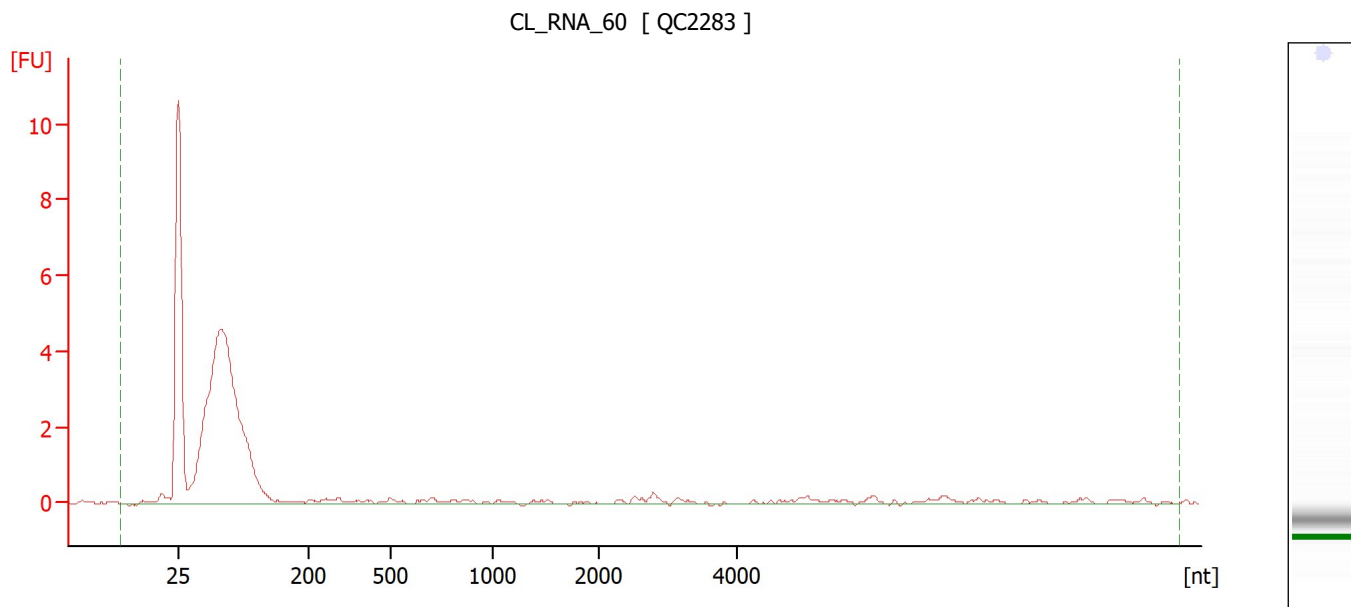
Overall Results for sample 3 : CL_RNA_30

RNA Area:	52.2	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	35 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-08-29_001.xad

Created: 8/29/2025 2:43:25 PM
Modified: 8/29/2025 3:33:15 PM

Electropherogram Summary Continued ...



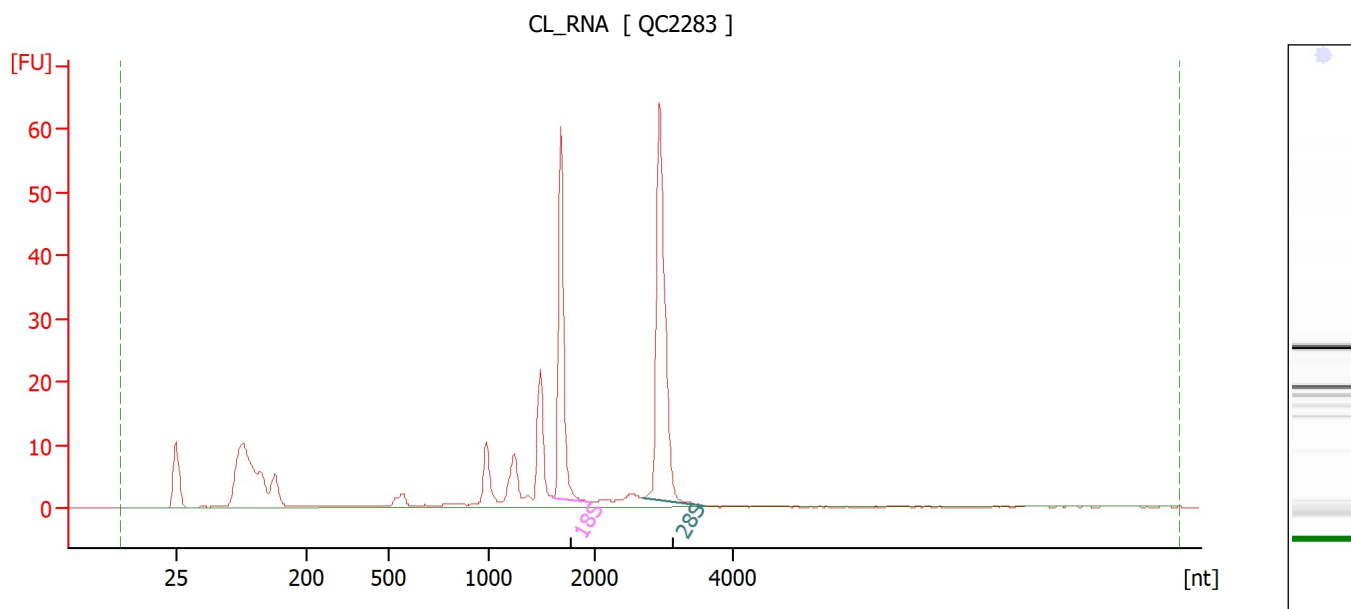
Overall Results for sample 4 : CL_RNA_60

RNA Area:	39.1	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	26 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-08-29_001.xad

Created: 8/29/2025 2:43:25 PM
Modified: 8/29/2025 3:33:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : CL_RNA

RNA Area:	241.5	RNA Integrity Number (RIN):	8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	164 ng/μl		
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Color:	
		Result Flagging Label:	RIN:8

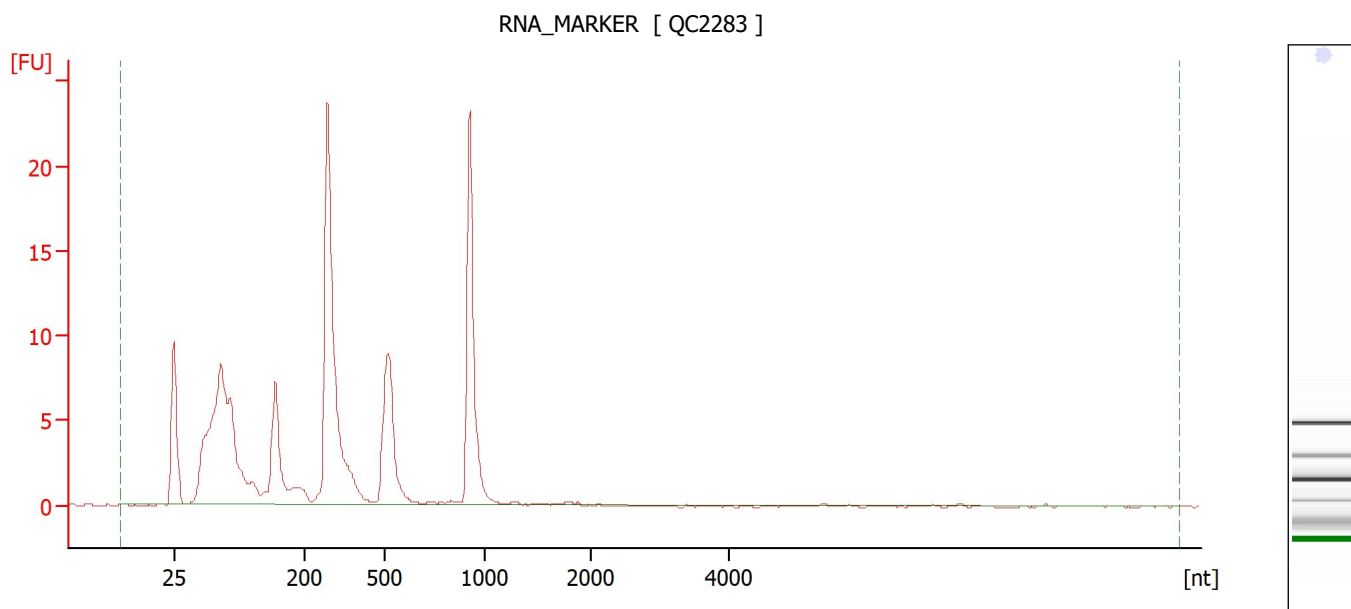
Fragment table for sample 5 : CL_RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,609	1,930	44.3	18.3
28S	2,682	3,596	65.1	26.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-08-29_001.xad

Created: 8/29/2025 2:43:25 PM
Modified: 8/29/2025 3:33:15 PM

Electropherogram Summary Continued ...



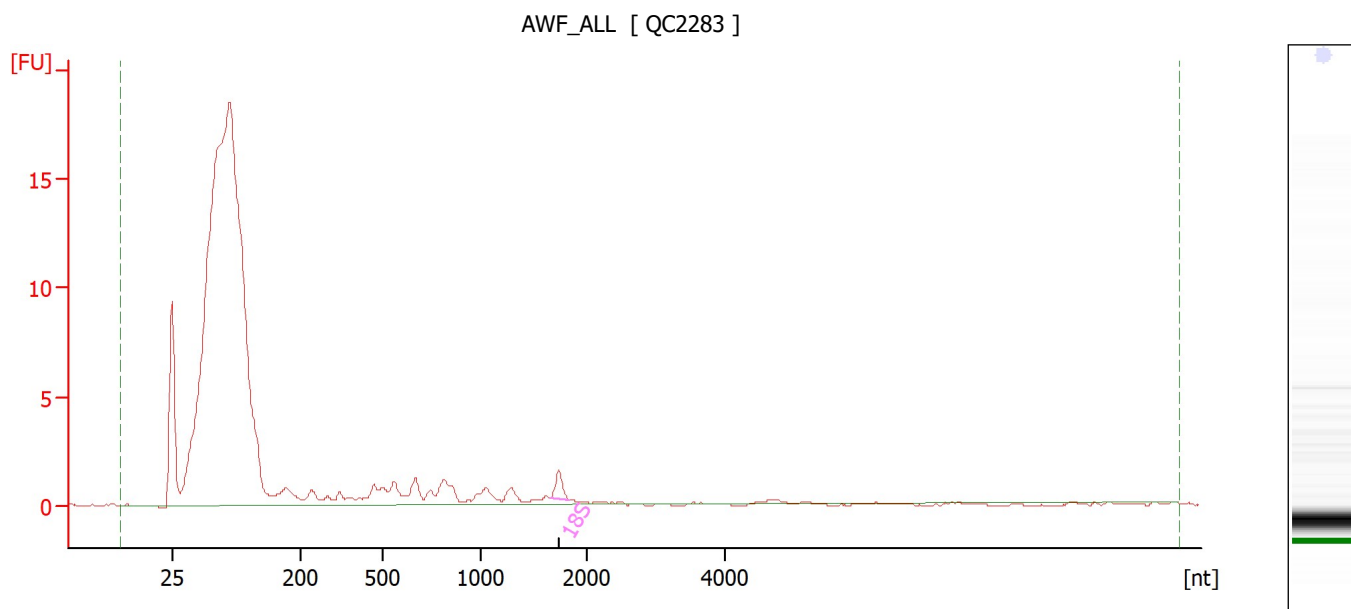
Overall Results for sample 6 : RNA_MARKER

RNA Area:	146.5	RNA Integrity Number (RIN):	1.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	99 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 1.80

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-08-29_001.xad

Created: 8/29/2025 2:43:25 PM
Modified: 8/29/2025 3:33:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : AWF_ALL

RNA Area:	172.0	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	117 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

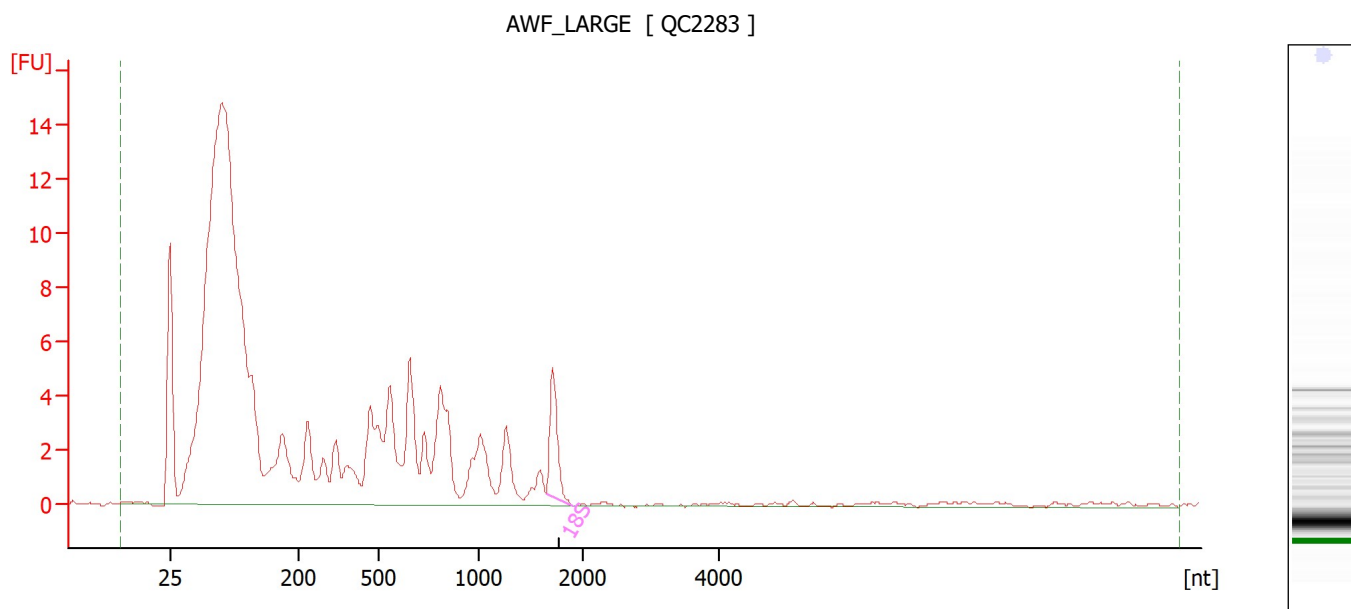
Fragment table for sample 7 : AWF_ALL

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,652	1,833	1.3	0.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-08-29_001.xad

Created: 8/29/2025 2:43:25 PM
Modified: 8/29/2025 3:33:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : AWF_LARGE

RNA Area:	192.2	RNA Integrity Number (RIN):	3 (B.02.10)
RNA Concentration:	130 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:3

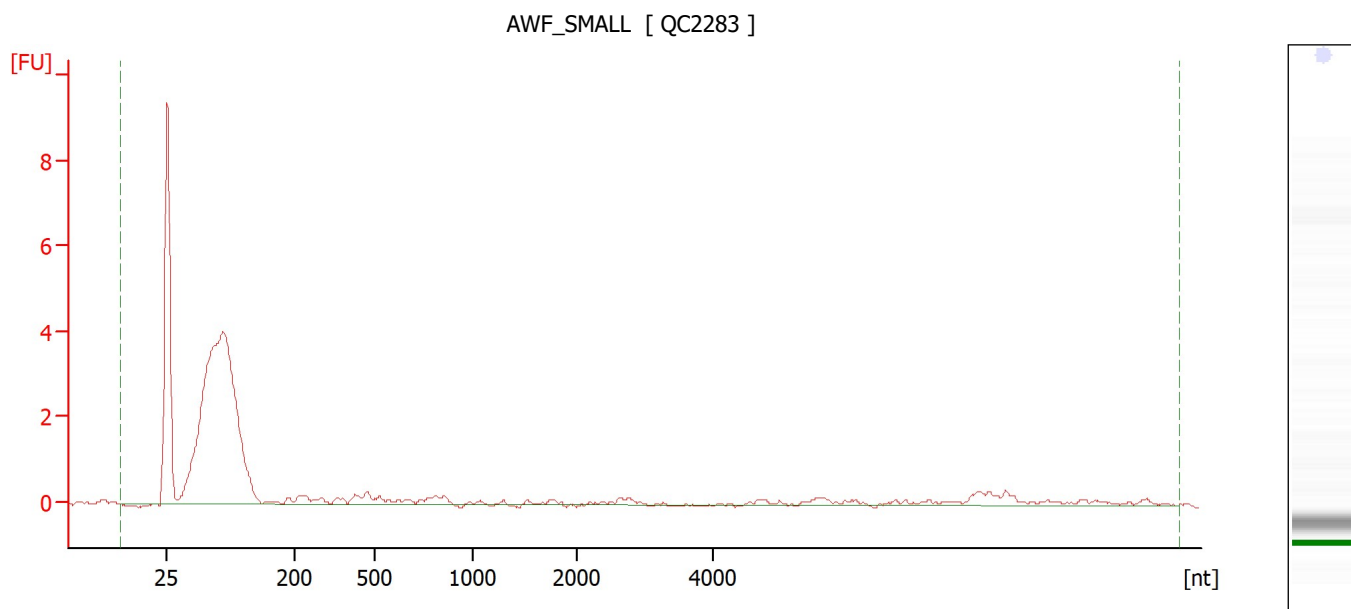
Fragment table for sample 8 : AWF_LARGE

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,648	1,891	4.6	2.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-08-29_001.xad

Created: 8/29/2025 2:43:25 PM
Modified: 8/29/2025 3:33:15 PM

Electropherogram Summary Continued ...



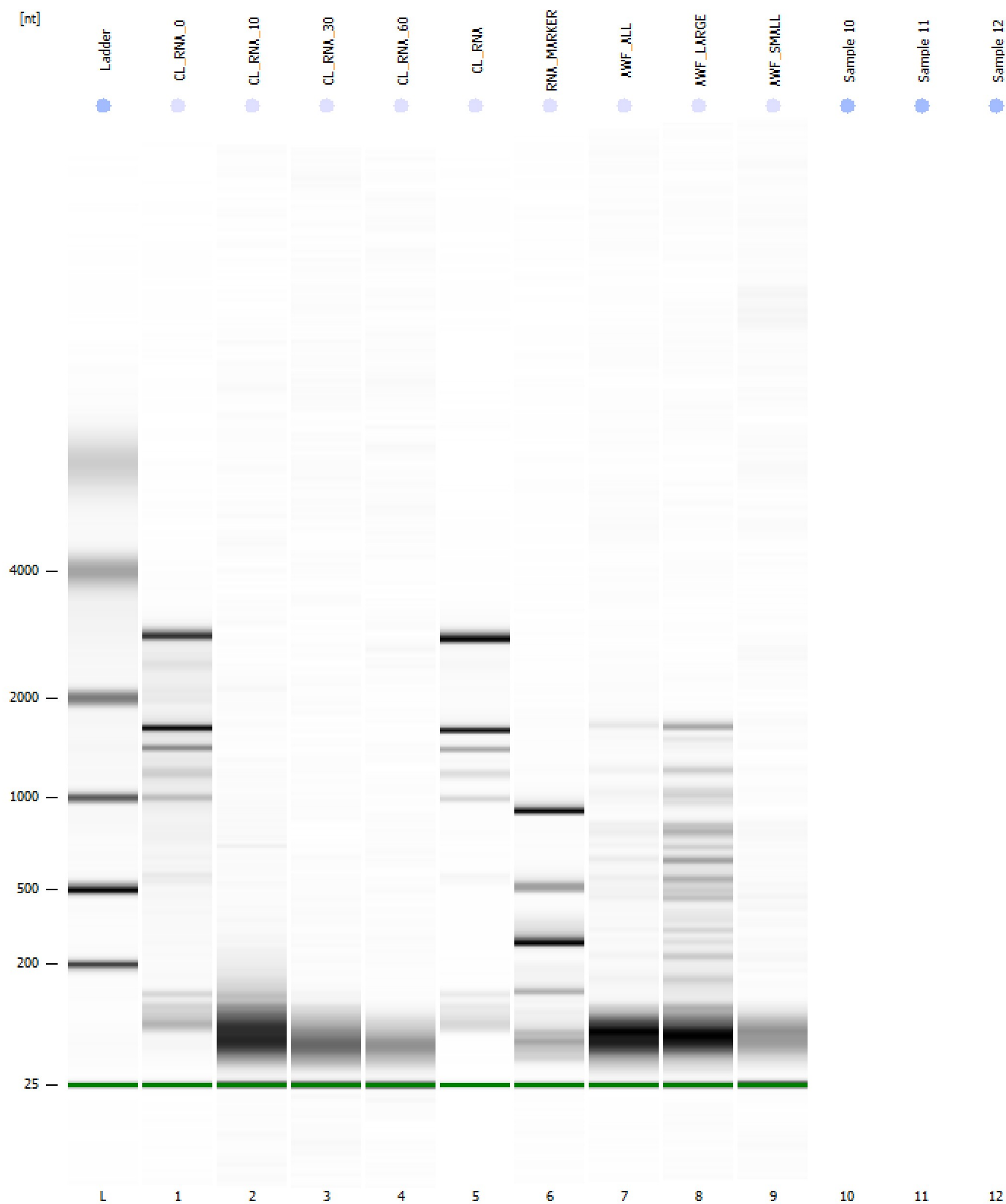
Overall Results for sample 9 : AWF_SMALL

RNA Area:	39.7	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	27 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-08-29_001.xad

Created: 8/29/2025 2:43:25 PM
Modified: 8/29/2025 3:33:15 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-08-29_001.xad

Created: 8/29/2025 2:43:25 PM
 Modified: 8/29/2025 3:33:15 PM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-08-29_001.xad
 Created: 8/29/2025 2:43:25 PM
 Modified: 8/29/2025 3:33:15 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 10)		Instrument	Run		8/29/2025 3:03:10 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\2025-08-29\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2025-08-29_001.xad)		Instrument	Run		8/29/2025 2:43:31 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/29/2025 2:43:31 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/29/2025 2:43:31 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/29/2025 2:43:31 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/29/2025 2:43:31 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/29/2025 2:43:31 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/29/2025 2:43:31 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB