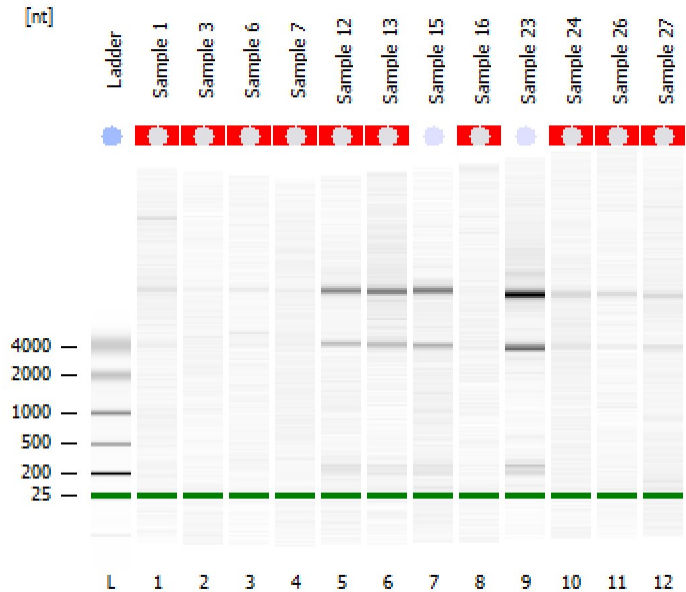


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-03-07_001.xad

Created: 3/7/2025 10:18:19 AM
Modified: 3/7/2025 10:42:14 AM

Electrophoresis File Run Summary



Instrument Information:

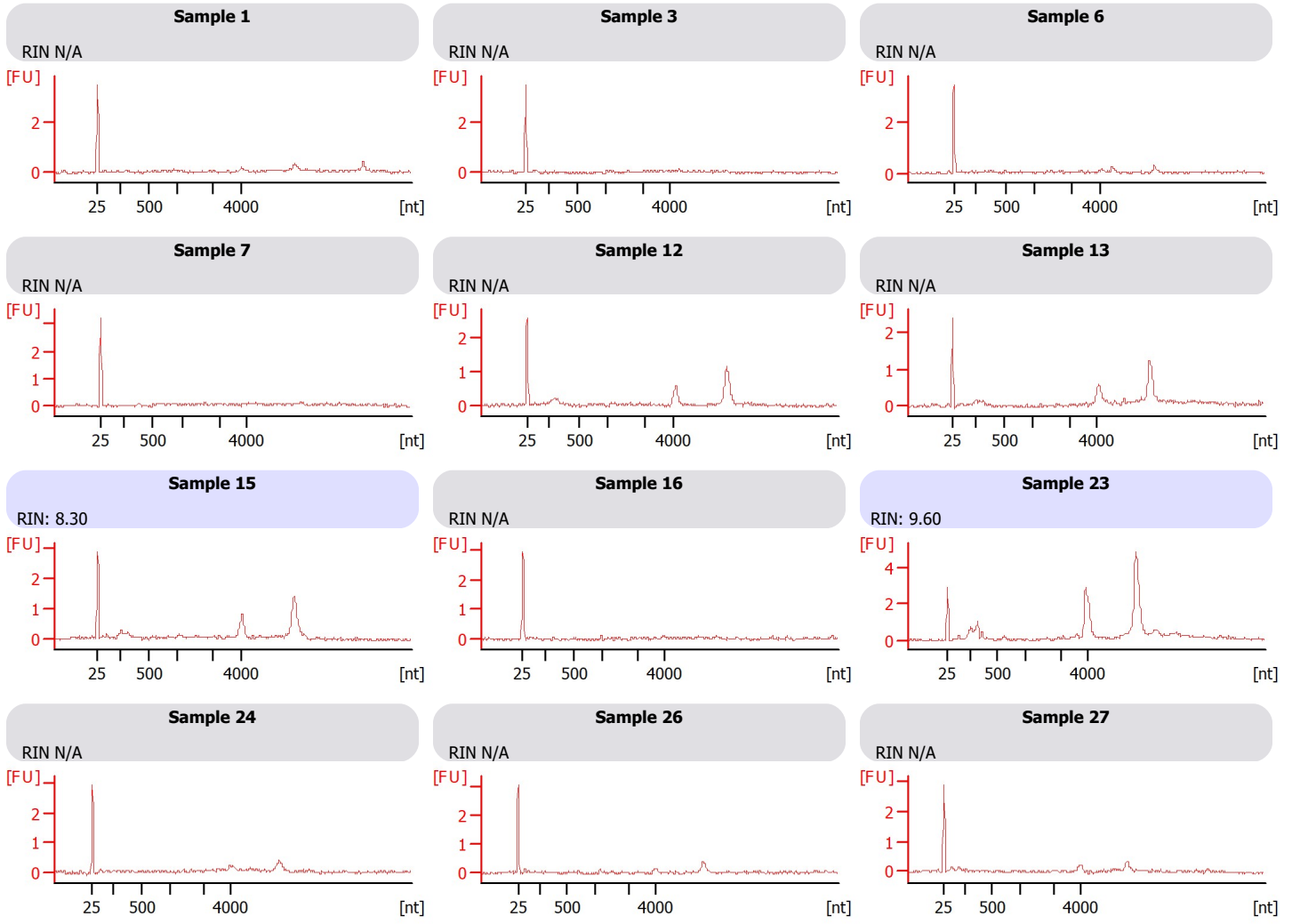
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-03-07_001.xad

Created: 3/7/2025 10:18:19 AM
 Modified: 3/7/2025 10:42:14 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN N/A	
Sample 3		✓	RIN N/A	
Sample 6		✓	RIN N/A	
Sample 7		✓	RIN N/A	
Sample 12		✓	RIN N/A	
Sample 13		✓	RIN N/A	
Sample 15		✓	RIN: 8.30	
Sample 16		✓	RIN N/A	
Sample 23		✓	RIN: 9.60	
Sample 24		✓	RIN N/A	
Sample 26		✓	RIN N/A	
Sample 27		✓	RIN N/A	
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_2025-03-07_001.xad

Created: 3/7/2025 10:18:19 AM
 Modified: 3/7/2025 10:42:14 AM

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

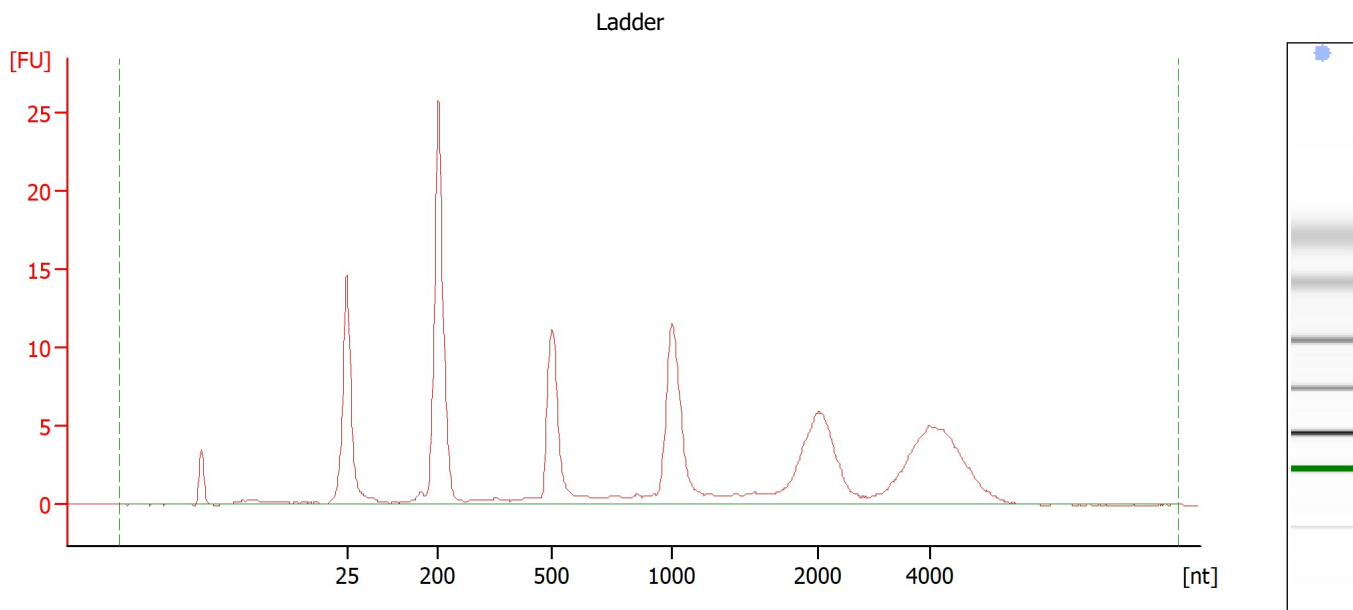
Ladder

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_2025-03-07_001.xad

Created: 3/7/2025 10:18:19 AM
Modified: 3/7/2025 10:42:14 AM

Electropherogram Summary



Overall Results for Ladder

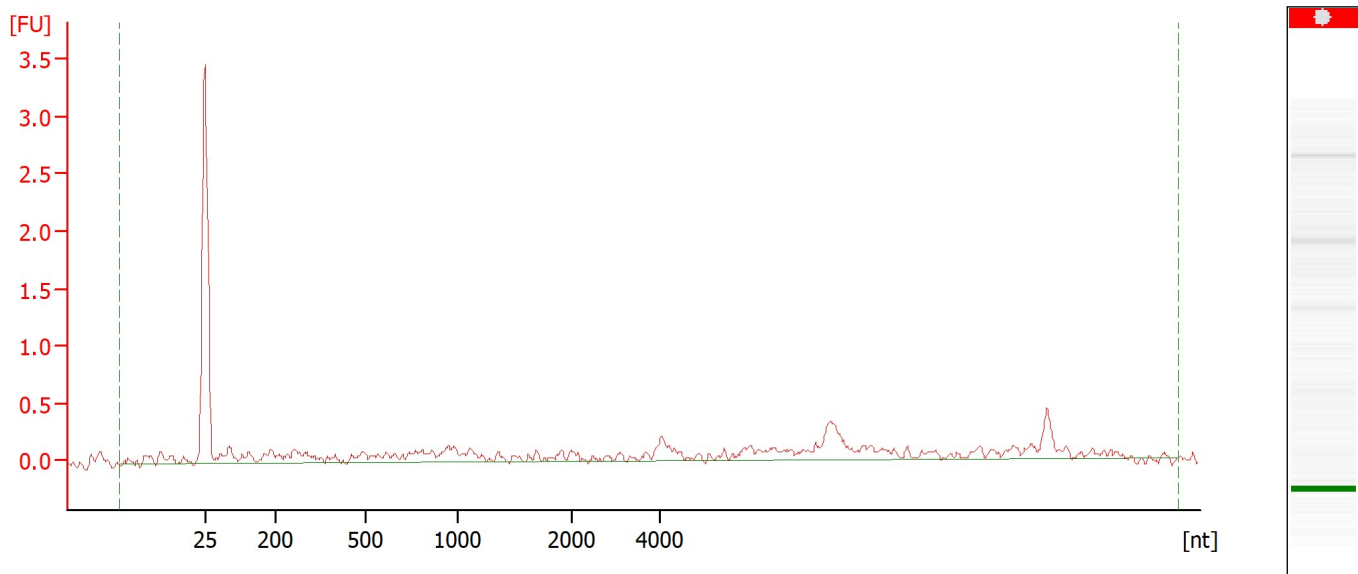
RNA Area:	144.2	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-03-07_001.xad

Created: 3/7/2025 10:18:19 AM
 Modified: 3/7/2025 10:42:14 AM

Electropherogram Summary Continued ...

Sample 1



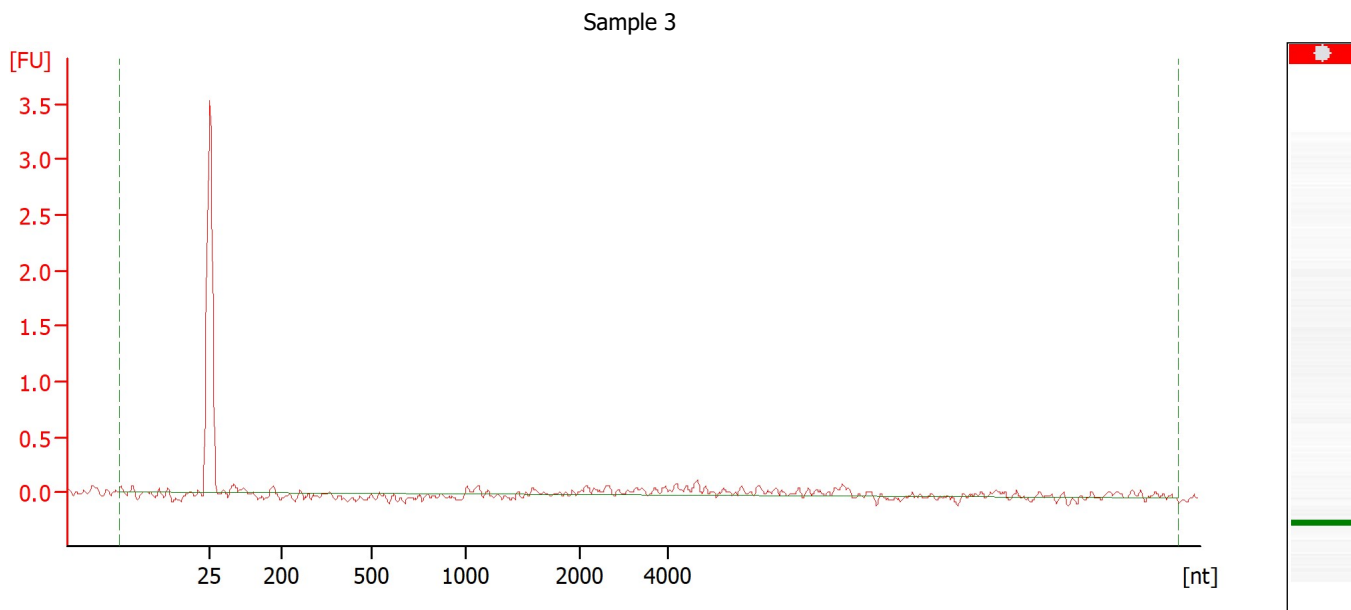
Overall Results for sample 1 : Sample 1

RNA Area:	7.1	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	7 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-03-07_001.xad

Created: 3/7/2025 10:18:19 AM
 Modified: 3/7/2025 10:42:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 3

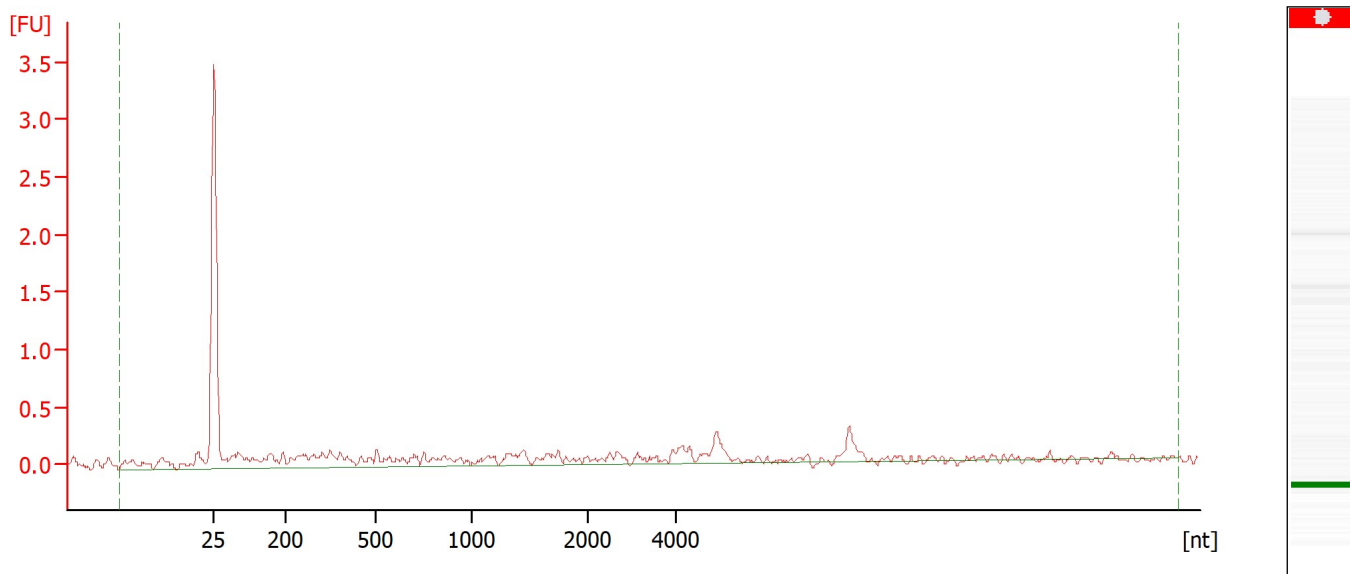
RNA Area:	2.0	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	2 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-03-07_001.xad

Created: 3/7/2025 10:18:19 AM
 Modified: 3/7/2025 10:42:14 AM

Electropherogram Summary Continued ...

Sample 6



Overall Results for sample 3 : Sample 6

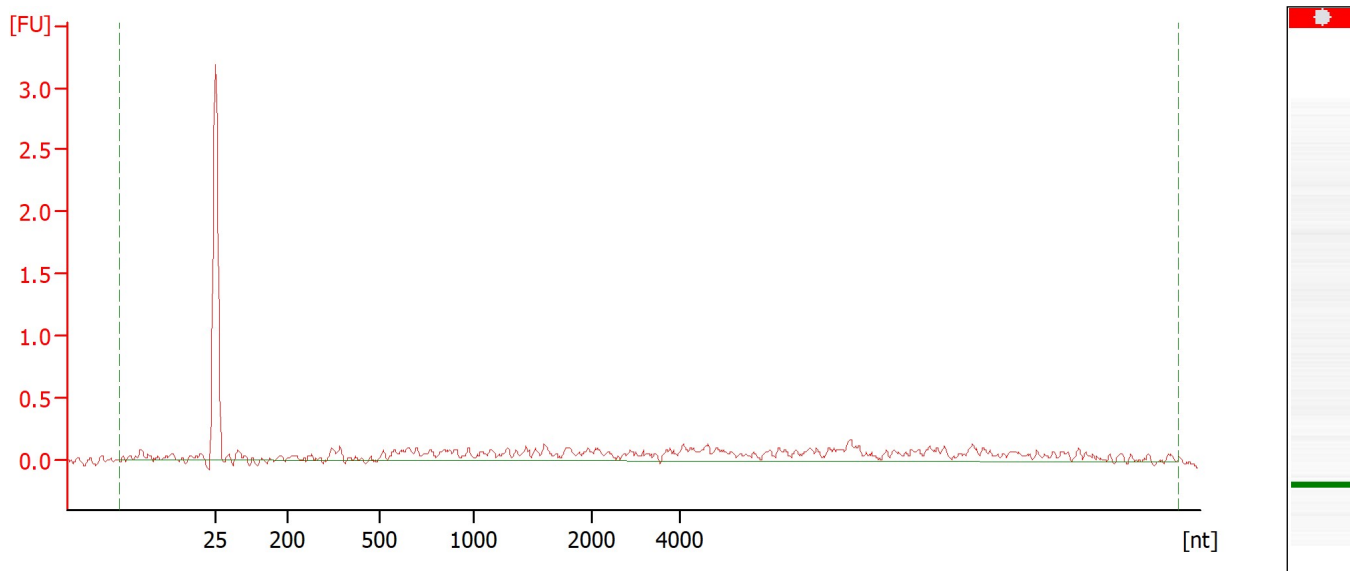
RNA Area:	7.2	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	8 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-03-07_001.xad

Created: 3/7/2025 10:18:19 AM
 Modified: 3/7/2025 10:42:14 AM

Electropherogram Summary Continued ...

Sample 7



Overall Results for sample 4 : Sample 7

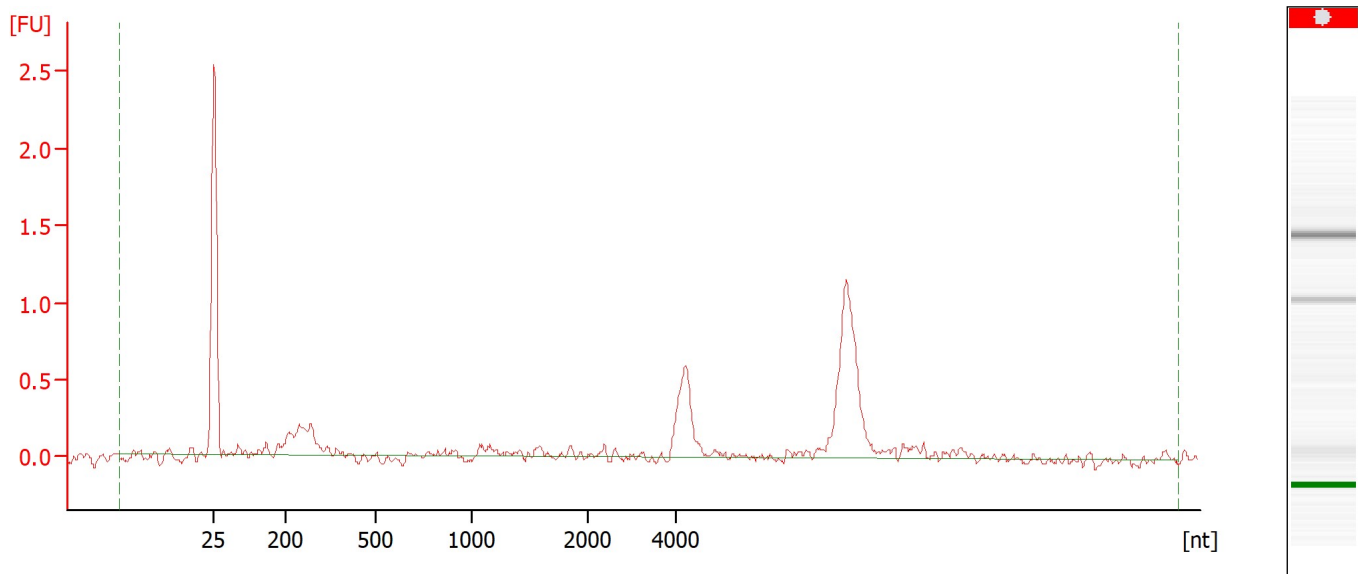
RNA Area:	5.9	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	6 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-03-07_001.xad

Created: 3/7/2025 10:18:19 AM
Modified: 3/7/2025 10:42:14 AM

Electropherogram Summary Continued ...

Sample 12



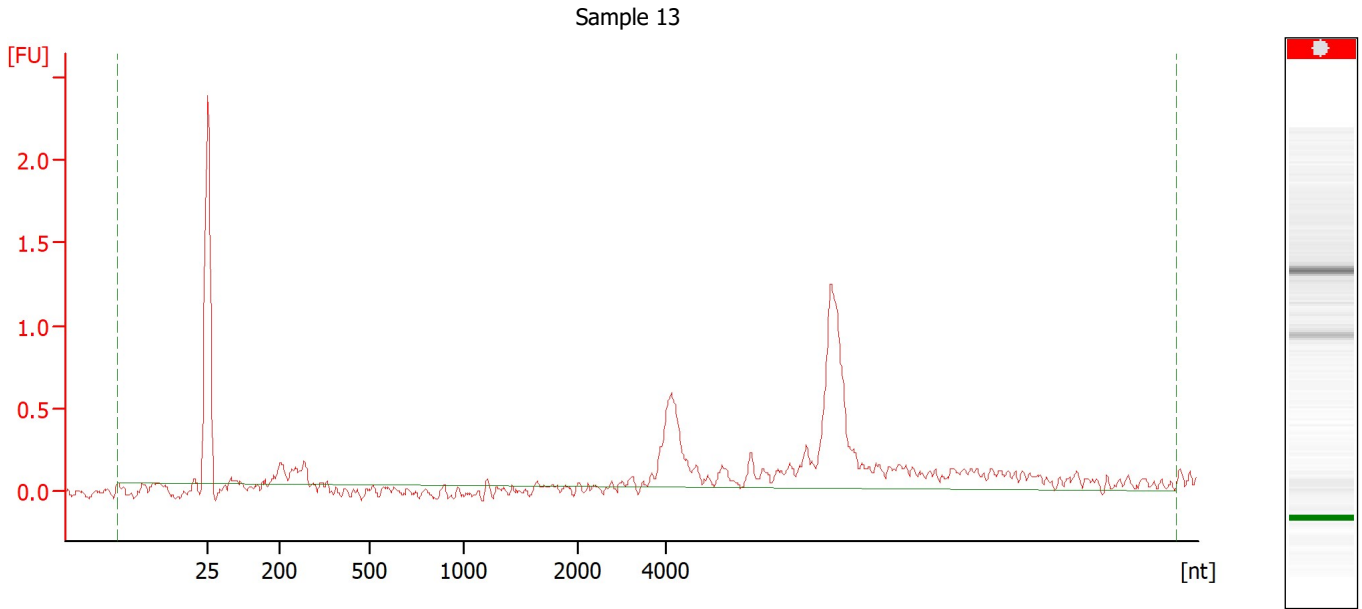
Overall Results for sample 5 : Sample 12

RNA Area:	5.9	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	6 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-03-07_001.xad

Created: 3/7/2025 10:18:19 AM
Modified: 3/7/2025 10:42:14 AM

Electropherogram Summary Continued ...



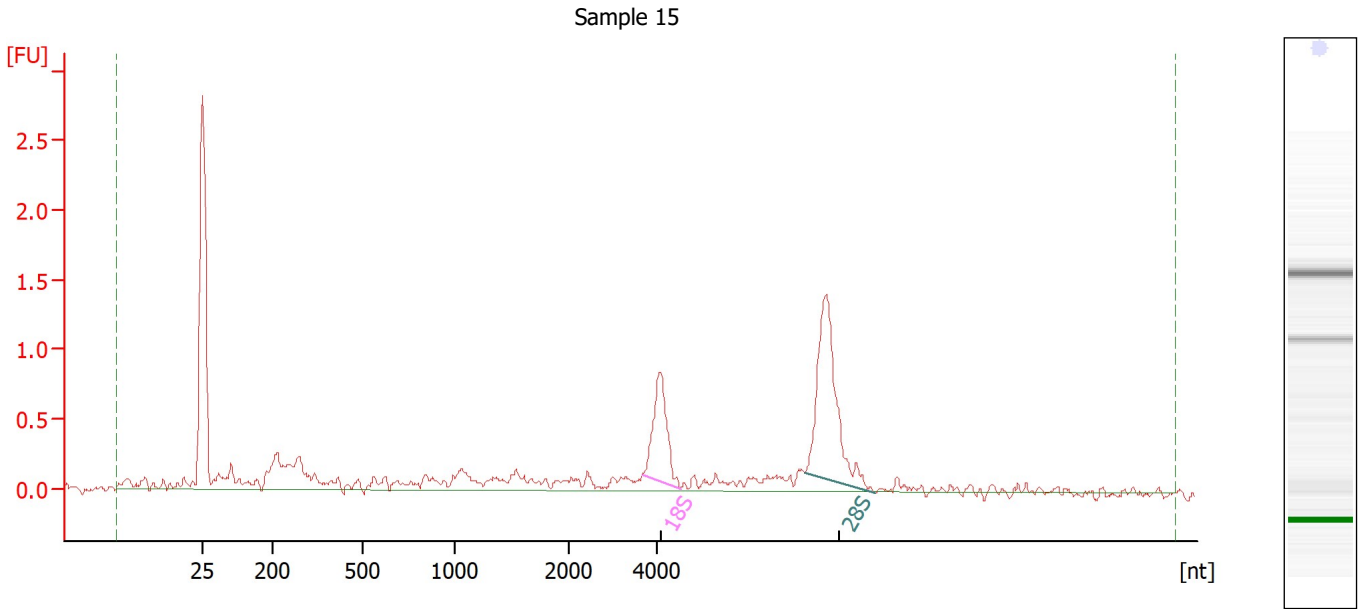
Overall Results for sample 6 : Sample 13

RNA Area:	7.1	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	7 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-03-07_001.xad

Created: 3/7/2025 10:18:19 AM
 Modified: 3/7/2025 10:42:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 15

RNA Area:	10.8	RNA Integrity Number (RIN):	8.3 (B.02.10)
RNA Concentration:	11 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 8.30

Fragment table for sample 7 : Sample 15

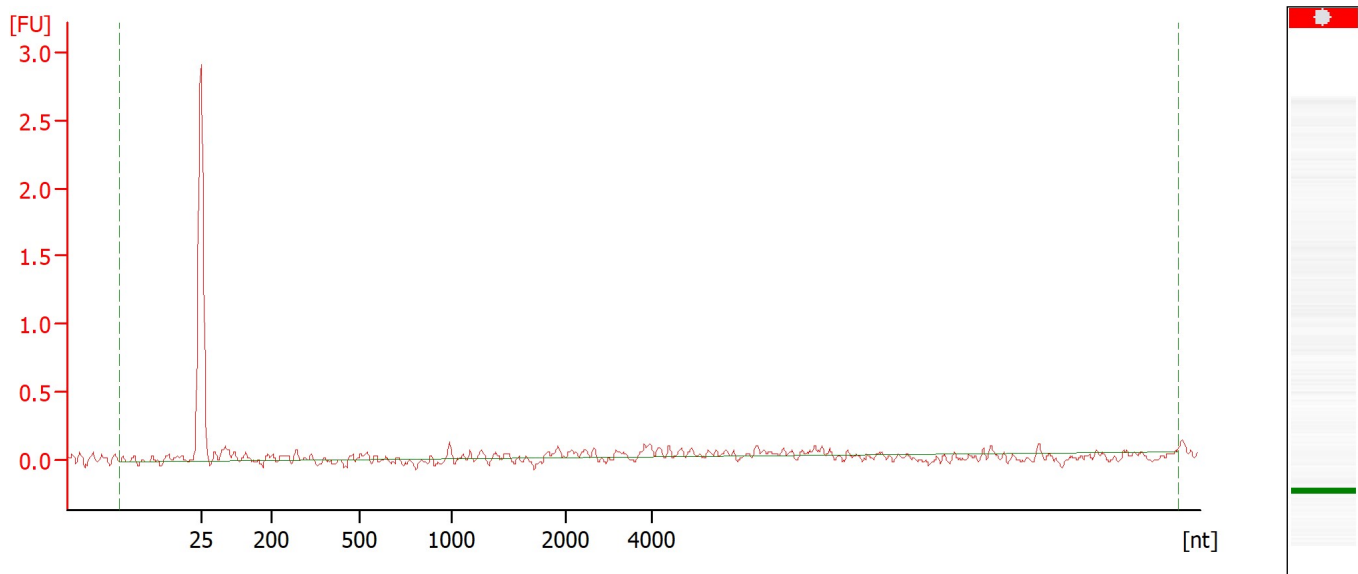
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,709	4,547	1.3	11.7
28S	7,409	9,063	2.6	23.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-03-07_001.xad

Created: 3/7/2025 10:18:19 AM
 Modified: 3/7/2025 10:42:14 AM

Electropherogram Summary Continued ...

Sample 16



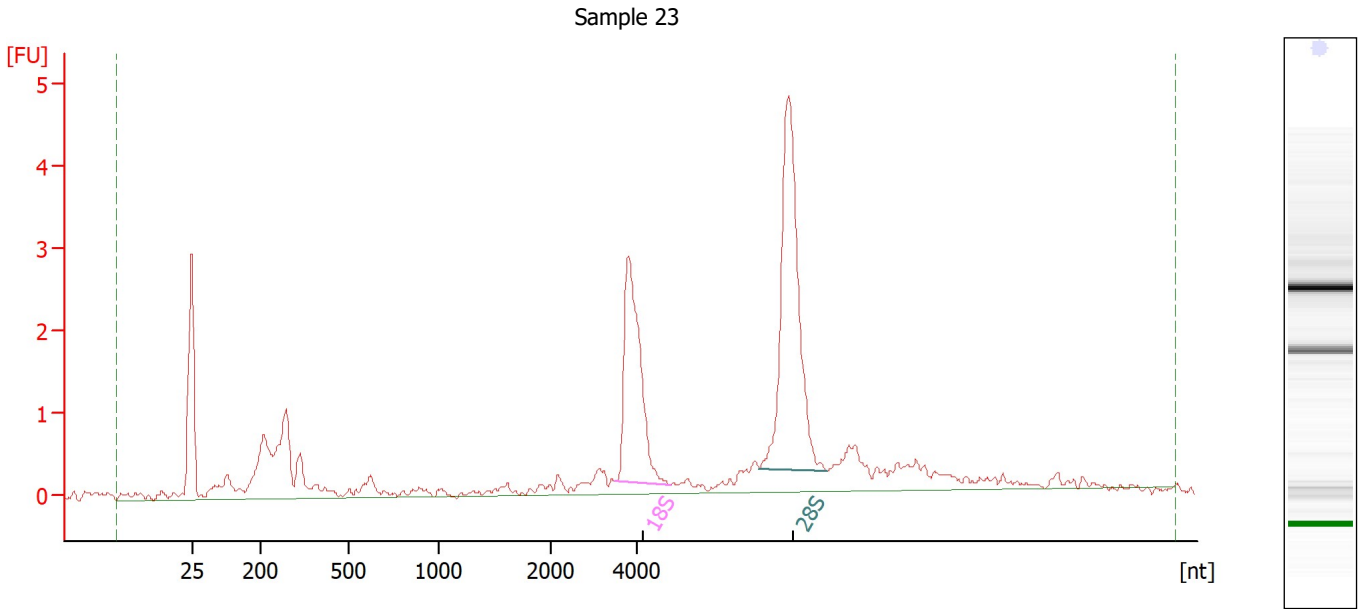
Overall Results for sample 8 : Sample 16

RNA Area:	2.1	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	2 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-03-07_001.xad

Created: 3/7/2025 10:18:19 AM
 Modified: 3/7/2025 10:42:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 23

RNA Area:	32.8	RNA Integrity Number (RIN):	9.6 (B.02.10)
RNA Concentration:	34 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 9.60

Fragment table for sample 9 : Sample 23

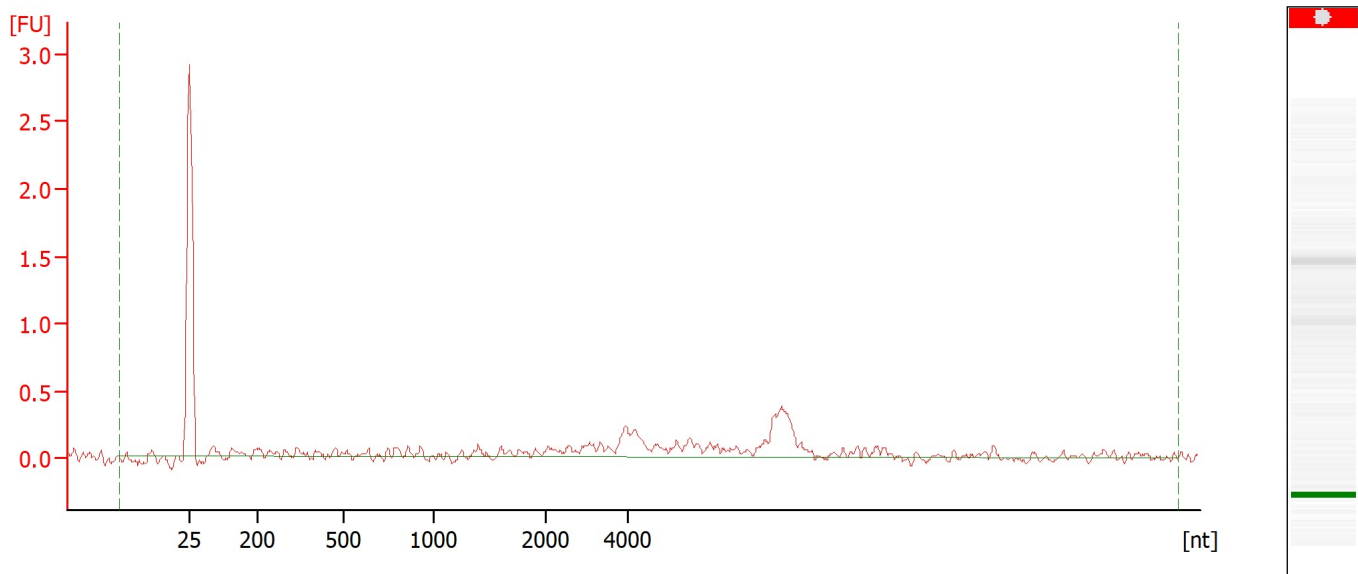
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,502	4,812	5.4	16.5
28S	6,905	8,518	8.2	24.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-03-07_001.xad

Created: 3/7/2025 10:18:19 AM
 Modified: 3/7/2025 10:42:14 AM

Electropherogram Summary Continued ...

Sample 24



Overall Results for sample 10 : Sample 24

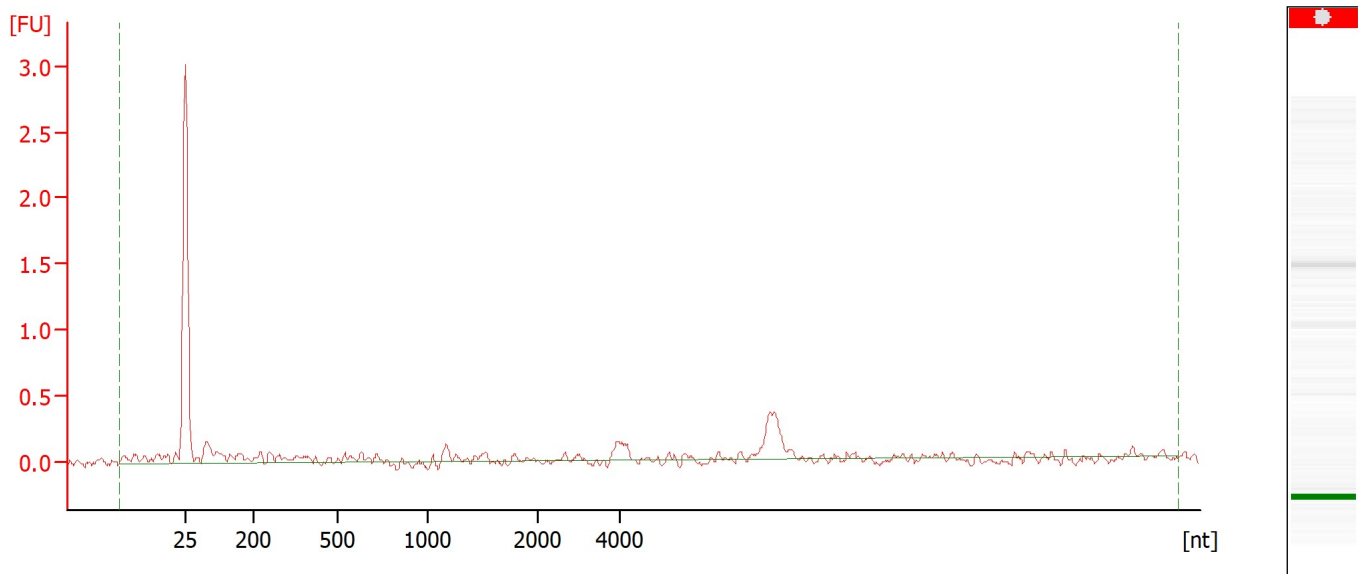
RNA Area:	4.6	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	5 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-03-07_001.xad

Created: 3/7/2025 10:18:19 AM
Modified: 3/7/2025 10:42:14 AM

Electropherogram Summary Continued ...

Sample 26



Overall Results for sample 11 : Sample 26

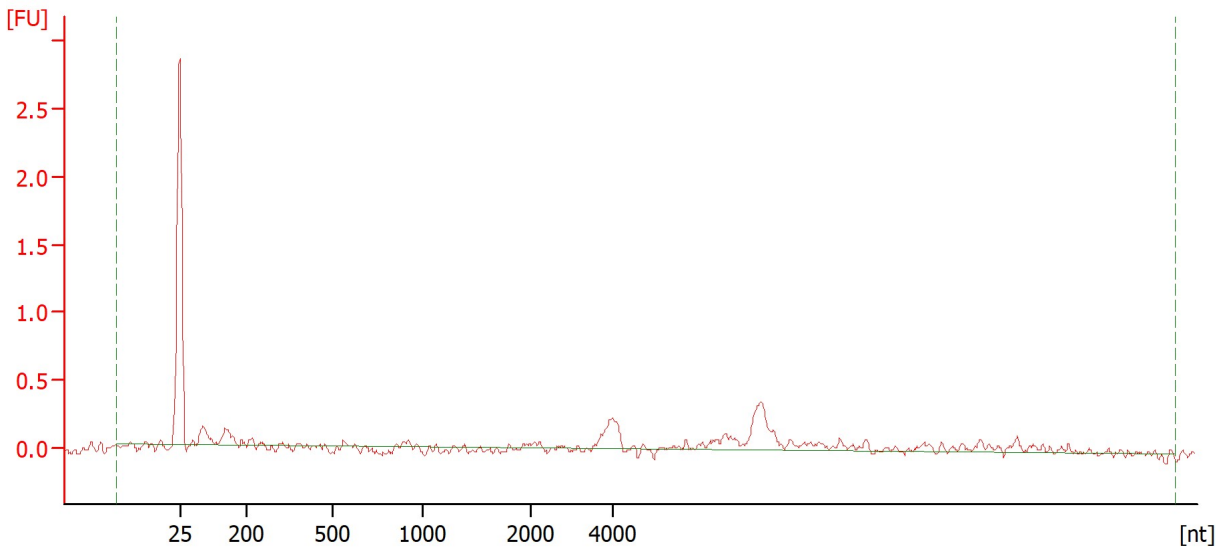
RNA Area:	3.7	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	4 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-03-07_001.xad

Created: 3/7/2025 10:18:19 AM
Modified: 3/7/2025 10:42:14 AM

Electropherogram Summary Continued ...

Sample 27



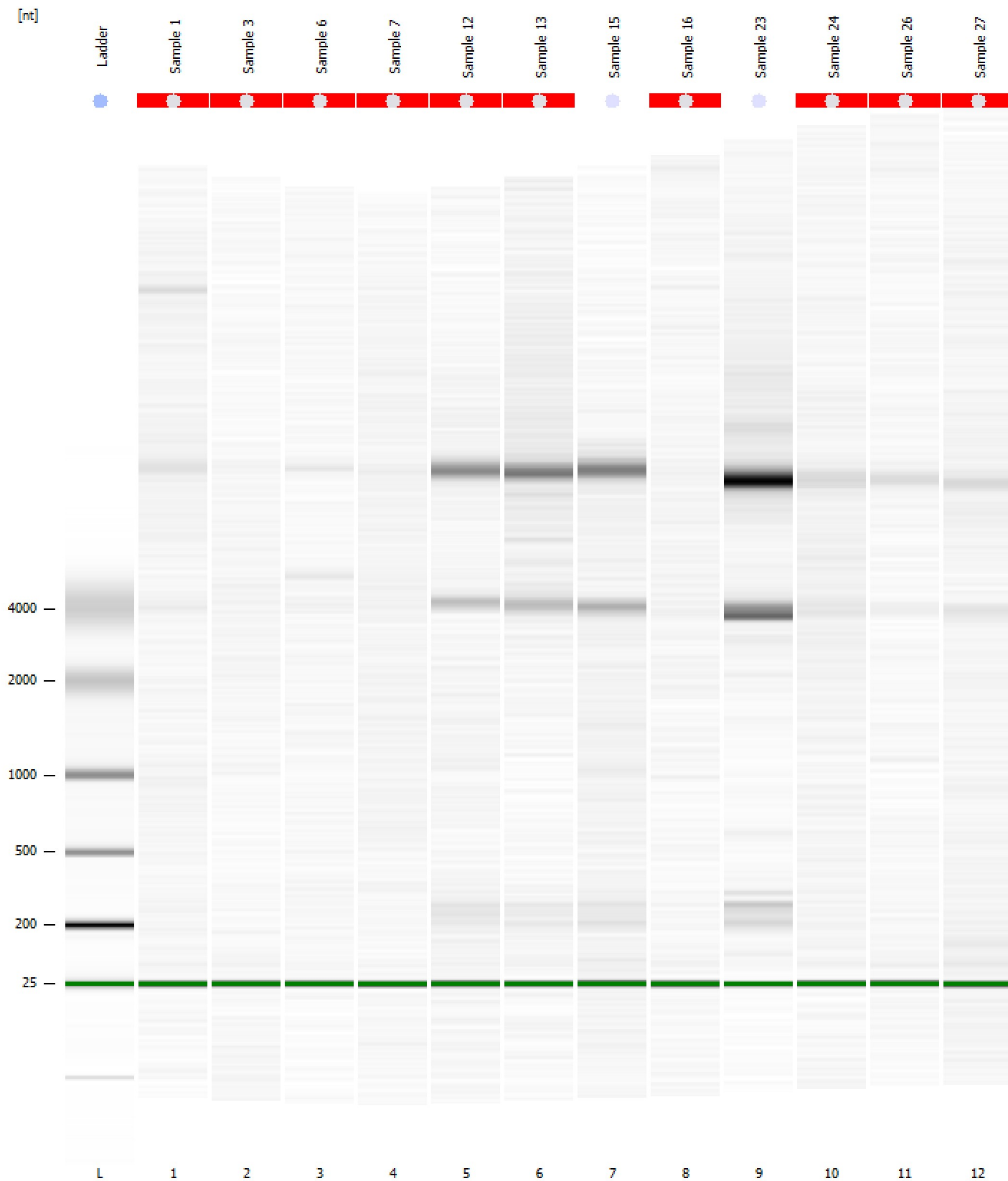
Overall Results for sample 12 : Sample 27

RNA Area:	3.1	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	3 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-03-07_001.xad

Created: 3/7/2025 10:18:19 AM
Modified: 3/7/2025 10:42:14 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 3/7/2025 10:18:19 AM
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-03-07_001.xad Modified: 3/7/2025 10:42:14 AM

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		3/7/2025 10:42:11 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2025-03-07\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2025-03-07_001.xad)		Instrument	Run		3/7/2025 10:18:26 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		3/7/2025 10:18:26 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		3/7/2025 10:18:26 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		3/7/2025 10:18:26 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		3/7/2025 10:18:26 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		3/7/2025 10:18:26 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		3/7/2025 10:18:26 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB