

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-11-04_001.xad

Created: 11/4/2024 4:19:04 PM
Modified: 11/4/2024 4:56:46 PM

Electrophoresis File Run Summary

Instrument Information:

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

Assay Information:

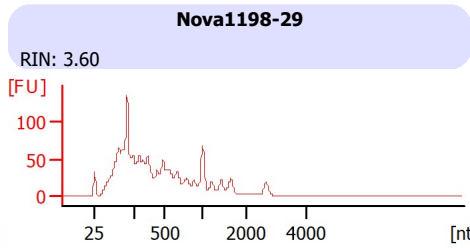
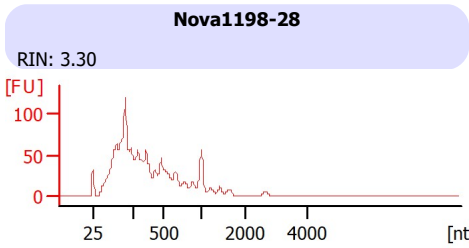
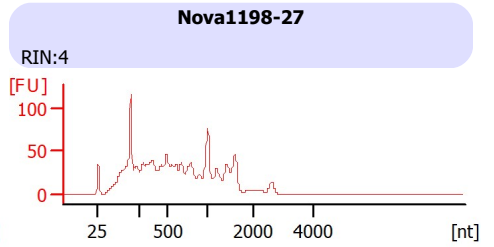
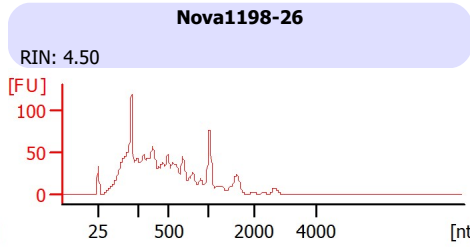
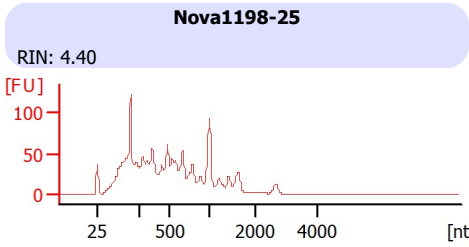
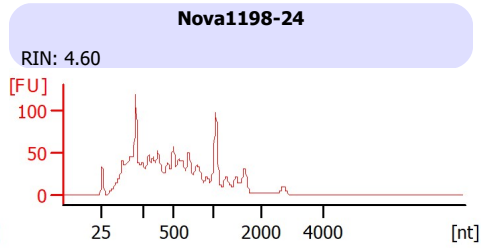
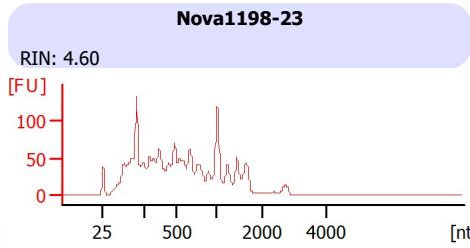
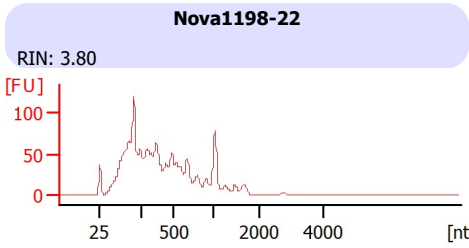
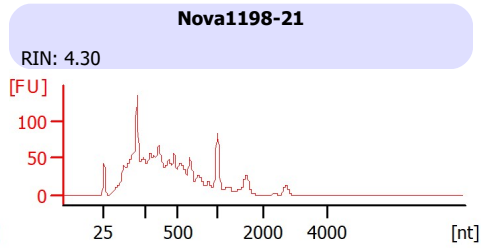
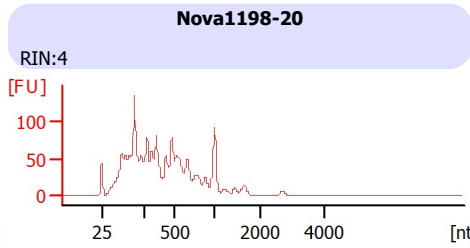
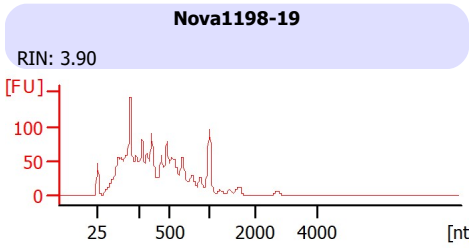
Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Nova1198-19		✓	RIN: 3.90	
Nova1198-20		✓	RIN:4	
Nova1198-21		✓	RIN: 4.30	
Nova1198-22		✓	RIN: 3.80	
Nova1198-23		✓	RIN: 4.60	
Nova1198-24		✓	RIN: 4.60	
Nova1198-25		✓	RIN: 4.40	
Nova1198-26		✓	RIN: 4.50	
Nova1198-27		✓	RIN:4	
Nova1198-28		✓	RIN: 3.30	
Nova1198-29		✓	RIN: 3.60	
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/μl] : 1000
 Lower Marker Concentration [pg/μl] : 0
 Upper Marker Concentration [pg/μl] : 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

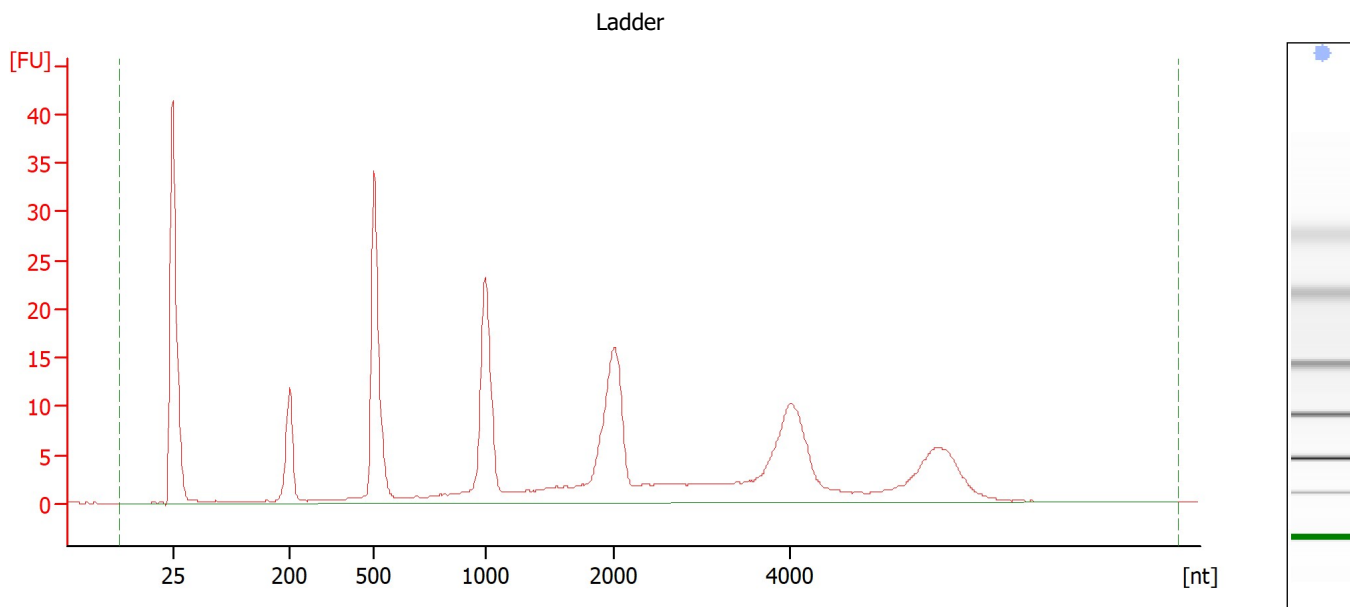
Ladder

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

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Electropherogram Summary



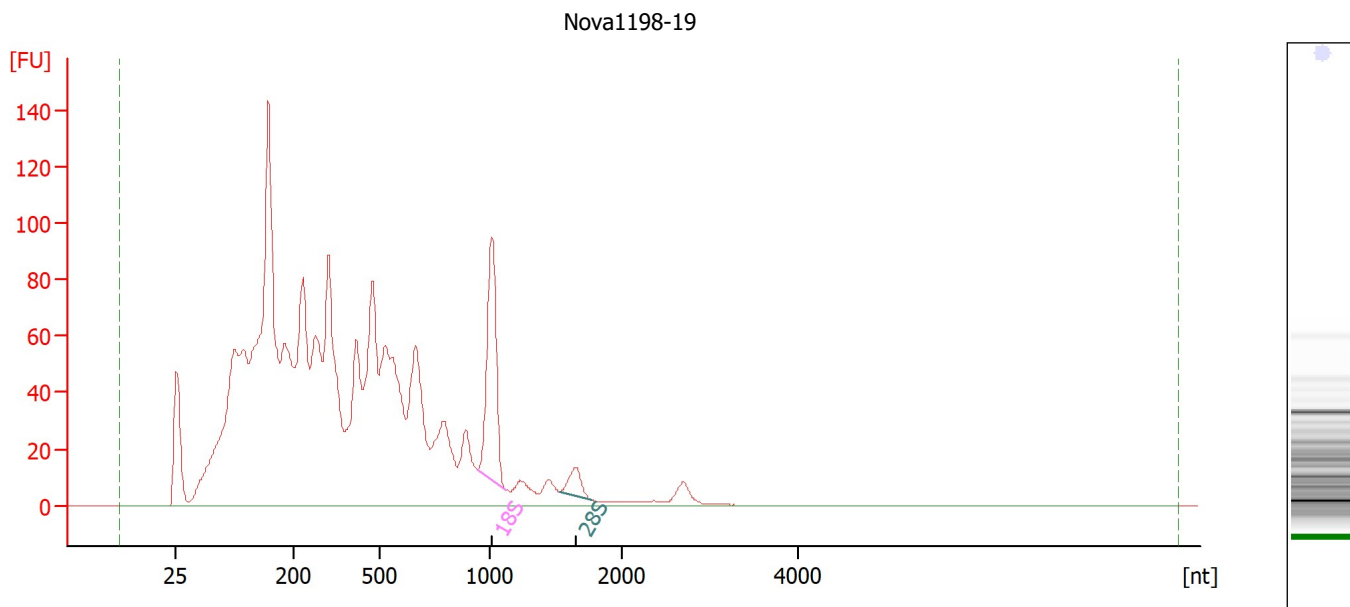
Overall Results for Ladder

RNA Area:	257.8	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 1 : Nova1198-19

RNA Area:	2,276.3	RNA Integrity Number (RIN):	3.9 (B.02.10)
RNA Concentration:	8,831 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 3.90

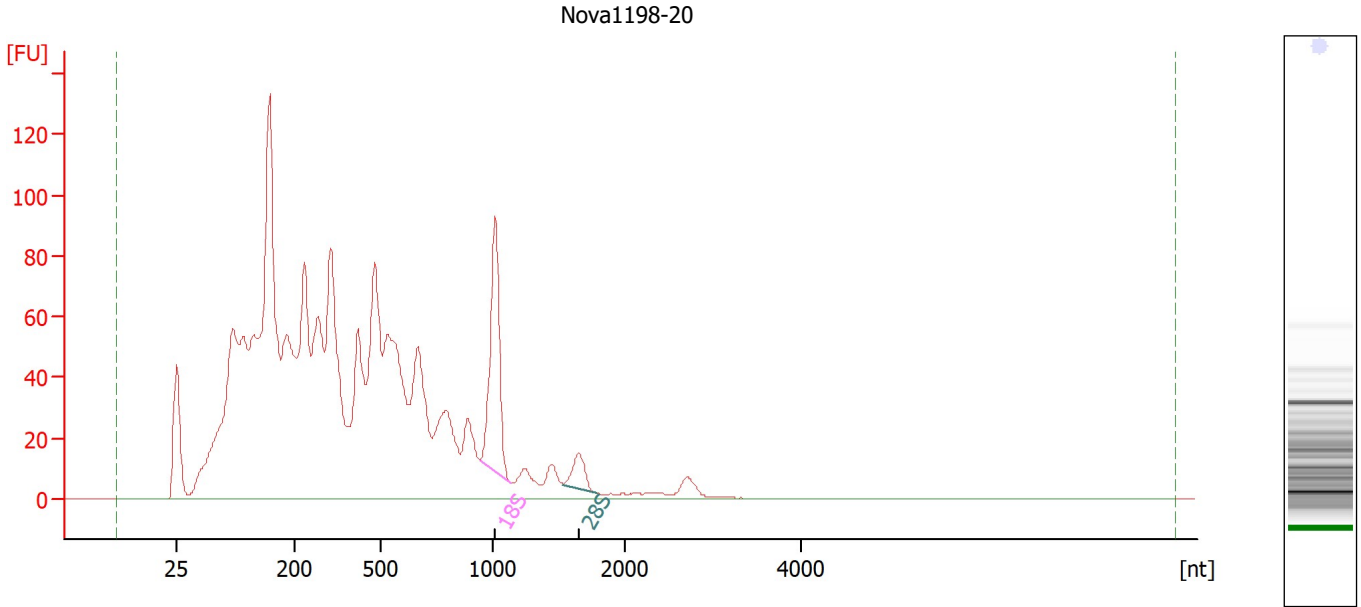
Fragment table for sample 1 : Nova1198-19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	942	1,114	113.8	5.0
28S	1,533	1,779	16.7	0.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-11-04_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : Nova1198-20

RNA Area:	2,217.2	RNA Integrity Number (RIN):	4 (B.02.10)
RNA Concentration:	8,602 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN:4

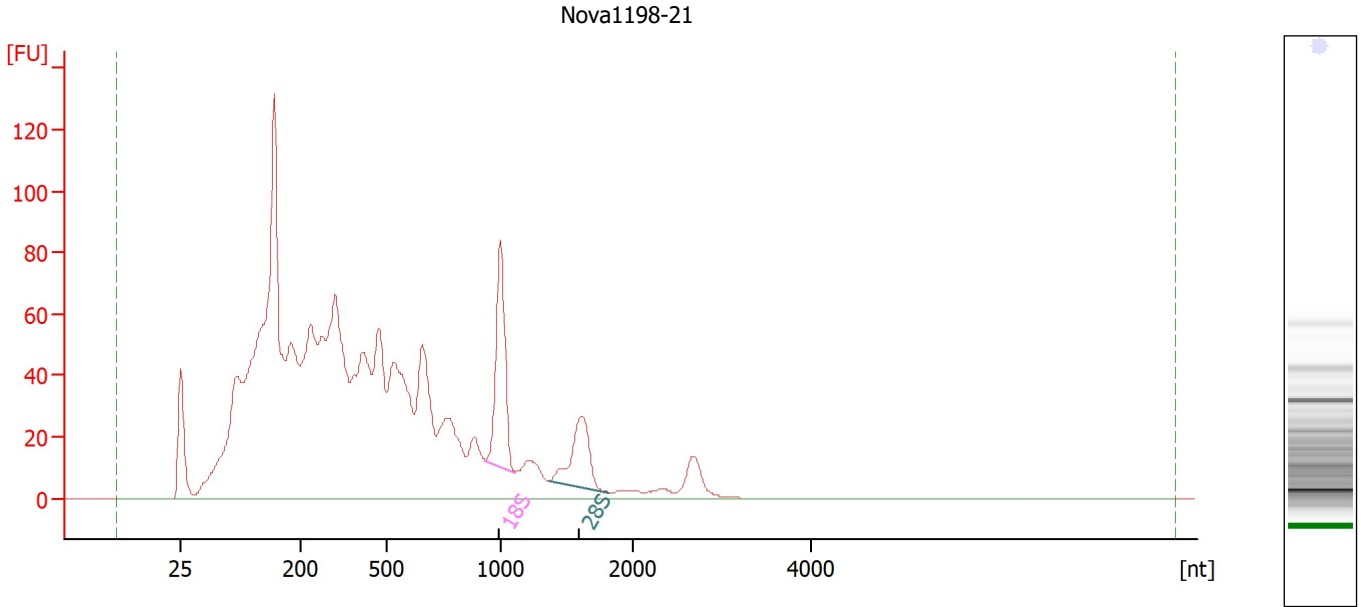
Fragment table for sample 2 : Nova1198-20

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	943	1,130	113.8	5.1
28S	1,538	1,791	18.2	0.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-11-04_001.xad

Created: 11/4/2024 4:19:04 PM
Modified: 11/4/2024 4:56:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Nova1198-21

RNA Area: 2,061.2 RNA Integrity Number (RIN): 4.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration: 7,996 pg/μl
rRNA Ratio [28s / 18s]: 0.6
Result Flagging Color:
Result Flagging Label: RIN: 4.30

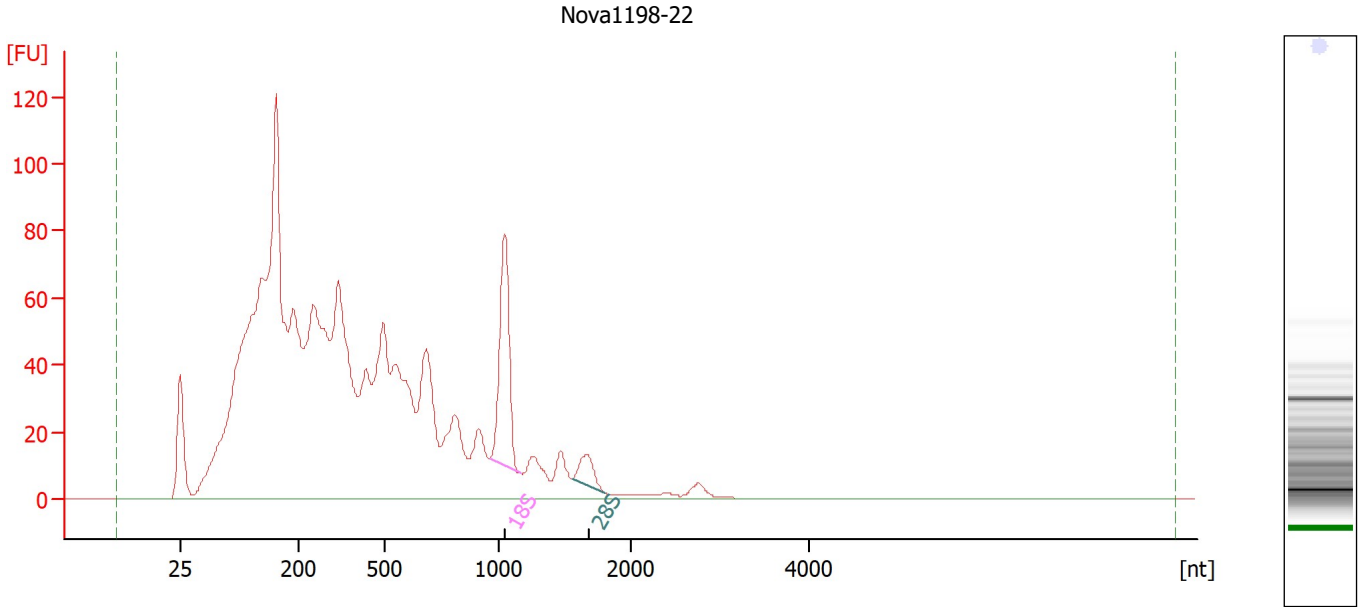
Fragment table for sample 3 : Nova1198-21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	935	1,116	94.1	4.6
28S	1,366	1,819	54.4	2.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-11-04_001.xad

Created: 11/4/2024 4:19:04 PM
 Modified: 11/4/2024 4:56:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Nova1198-22

RNA Area:	2,048.4	RNA Integrity Number (RIN):	3.8 (B.02.10)
RNA Concentration:	7,947 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 3.80

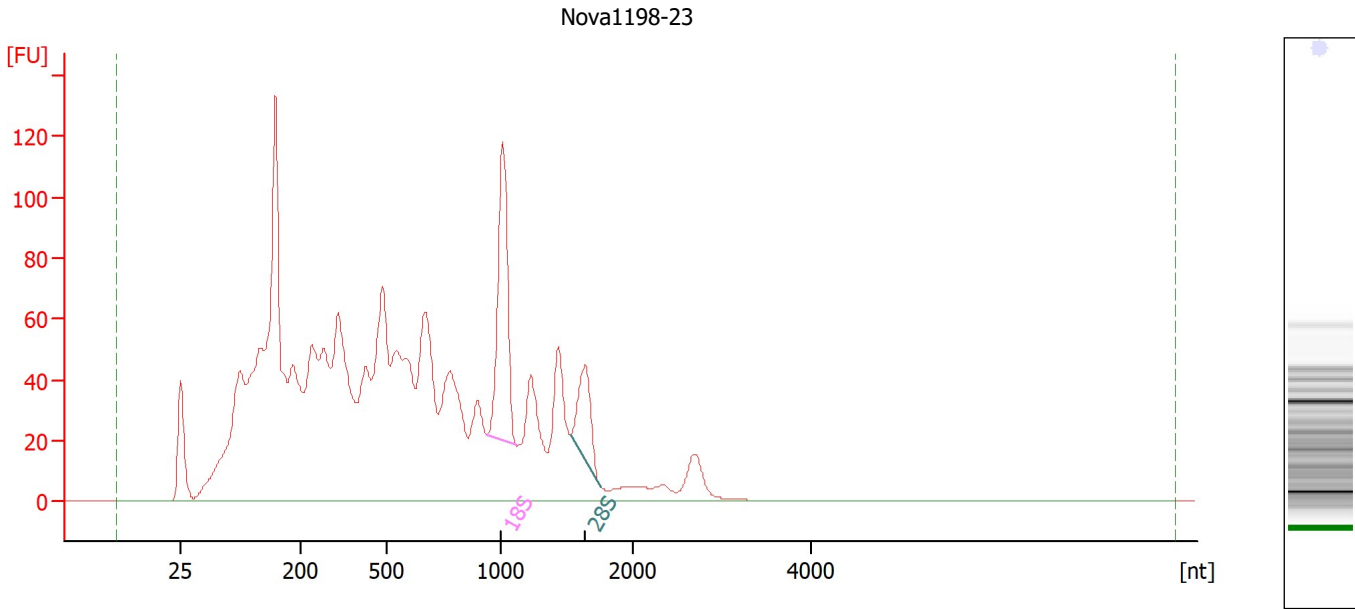
Fragment table for sample 4 : Nova1198-22

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	962	1,162	93.0	4.5
28S	1,559	1,810	17.3	0.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-11-04_001.xad

Created: 11/4/2024 4:19:04 PM
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Electropherogram Summary Continued ...



Overall Results for sample 5 : Nova1198-23

RNA Area:	2,410.3	RNA Integrity Number (RIN):	4.6 (B.02.10)
RNA Concentration:	9,351 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 4.60

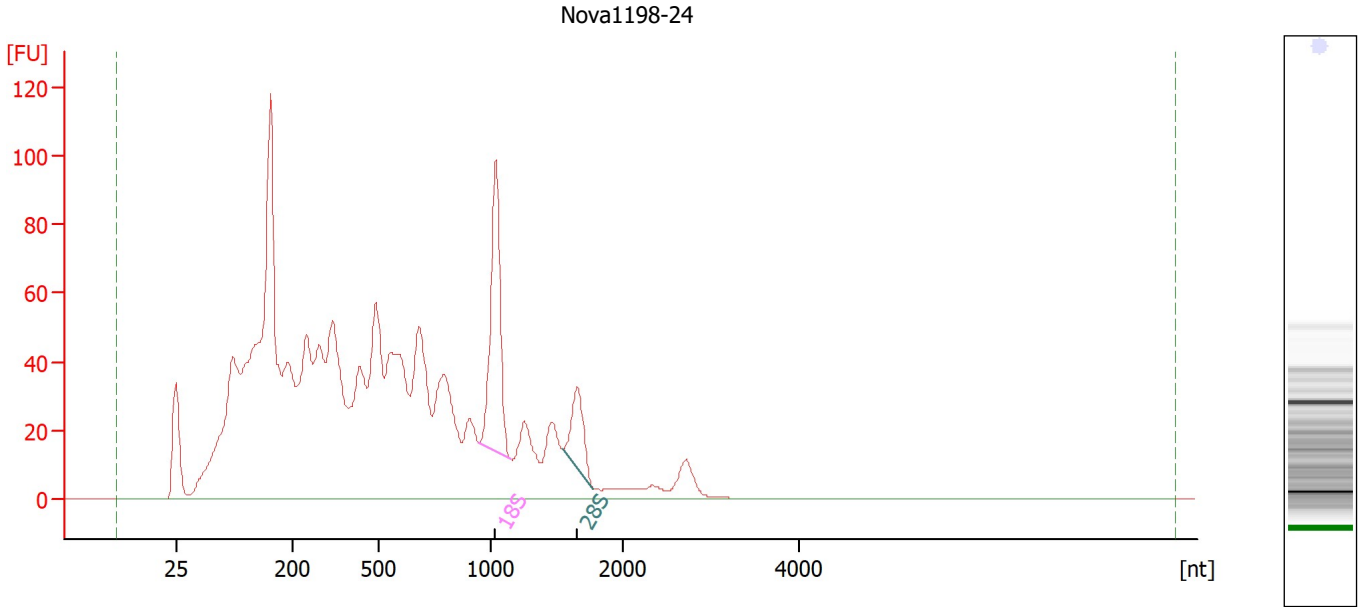
Fragment table for sample 5 : Nova1198-23

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	940	1,124	133.6	5.5
28S	1,528	1,762	50.6	2.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-11-04_001.xad

Created: 11/4/2024 4:19:04 PM
 Modified: 11/4/2024 4:56:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Nova1198-24

RNA Area:	2,015.7	RNA Integrity Number (RIN):	4.6 (B.02.10)
RNA Concentration:	7,820 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 4.60

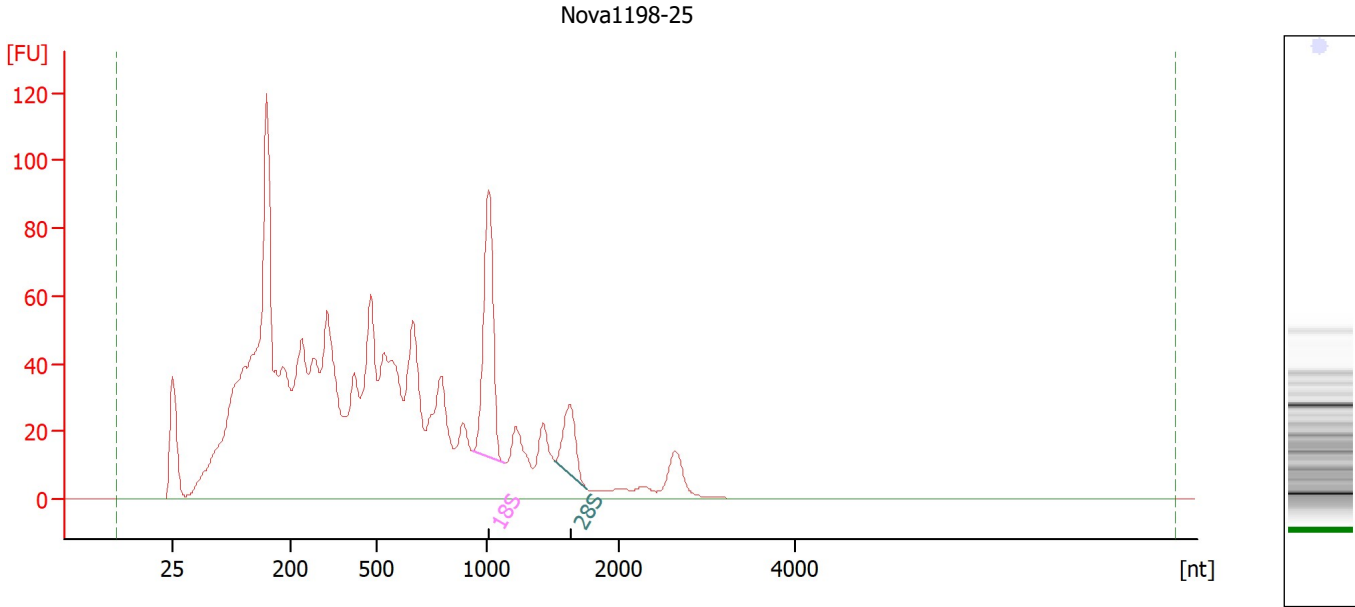
Fragment table for sample 6 : Nova1198-24

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	946	1,144	120.5	6.0
28S	1,544	1,781	36.9	1.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-11-04_001.xad

Created: 11/4/2024 4:19:04 PM
 Modified: 11/4/2024 4:56:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Nova1198-25

RNA Area:	1,879.5	RNA Integrity Number (RIN):	4.4 (B.02.10)
RNA Concentration:	7,292 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 4.40

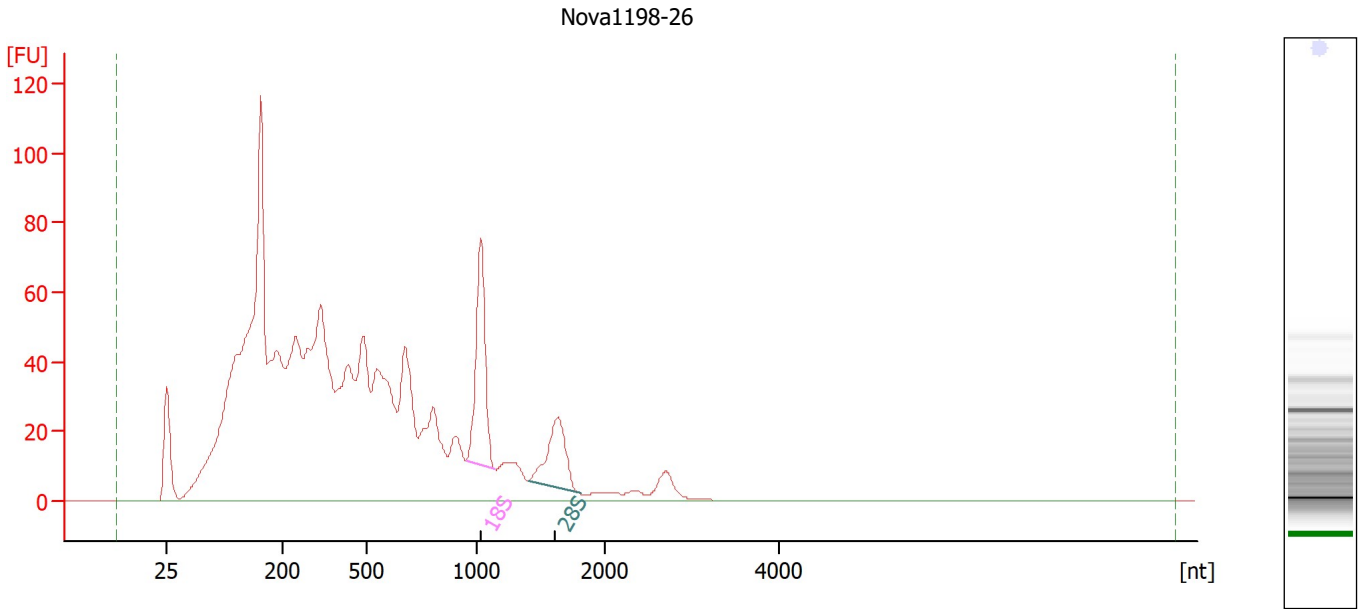
Fragment table for sample 7 : Nova1198-25

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	933	1,131	108.7	5.8
28S	1,517	1,763	33.0	1.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-11-04_001.xad

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 Modified: 11/4/2024 4:56:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Nova1198-26

RNA Area:	1,811.3	RNA Integrity Number (RIN):	4.5 (B.02.10)
RNA Concentration:	7,027 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 4.50

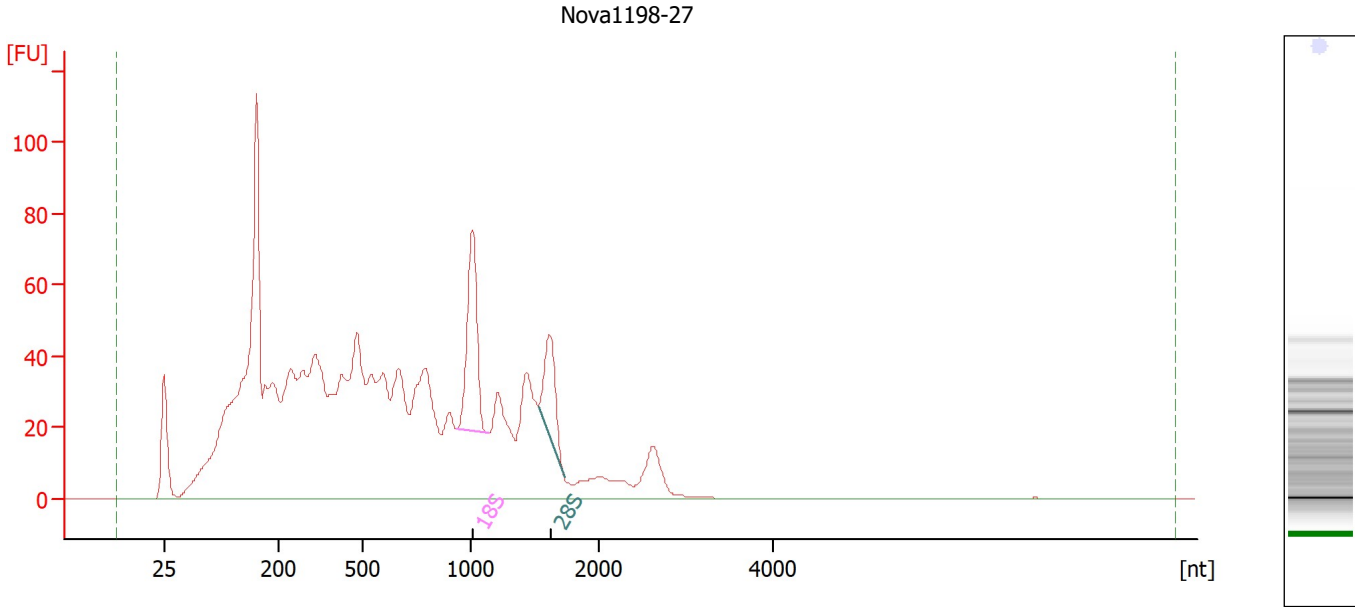
Fragment table for sample 8 : Nova1198-26

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	951	1,141	91.0	5.0
28S	1,399	1,807	50.6	2.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-11-04_001.xad

Created: 11/4/2024 4:19:04 PM
 Modified: 11/4/2024 4:56:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Nova1198-27

RNA Area:	1,810.7	RNA Integrity Number (RIN):	4 (B.02.10)
RNA Concentration:	7,025 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN:4

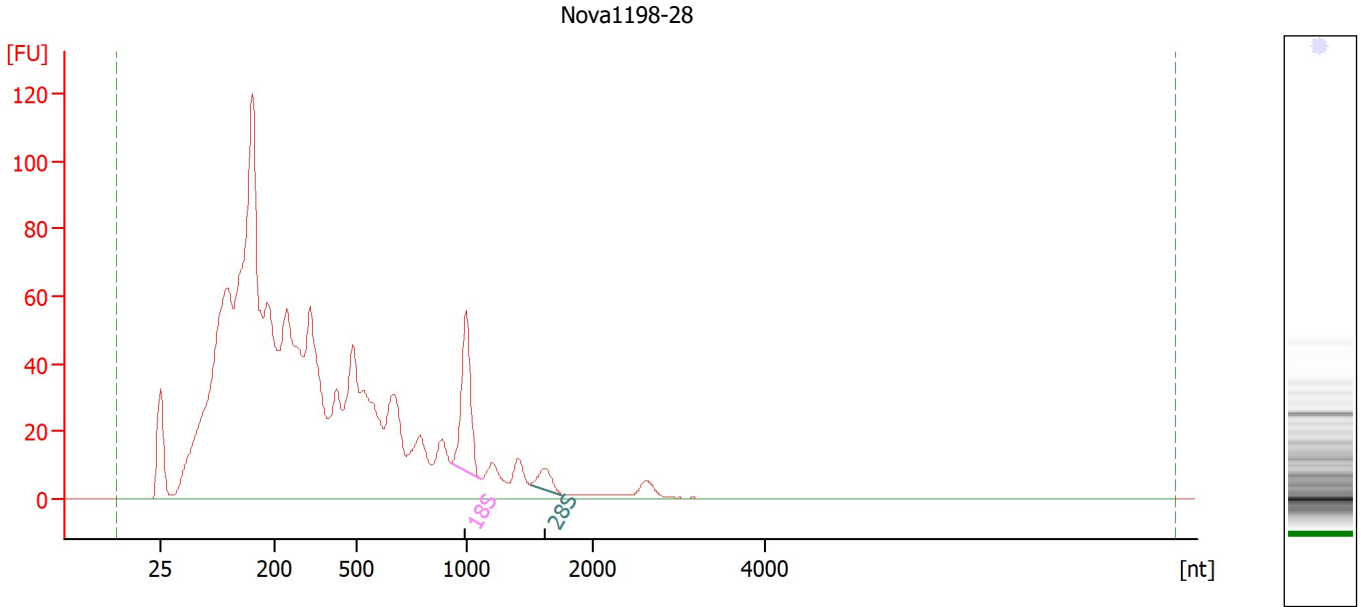
Fragment table for sample 9 : Nova1198-27

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	931	1,133	80.4	4.4
28S	1,519	1,728	42.3	2.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-11-04_001.xad

Created: 11/4/2024 4:19:04 PM
 Modified: 11/4/2024 4:56:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Nova1198-28

RNA Area:	1,871.6	RNA Integrity Number (RIN):	3.3 (B.02.10)
RNA Concentration:	7,261 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 3.30

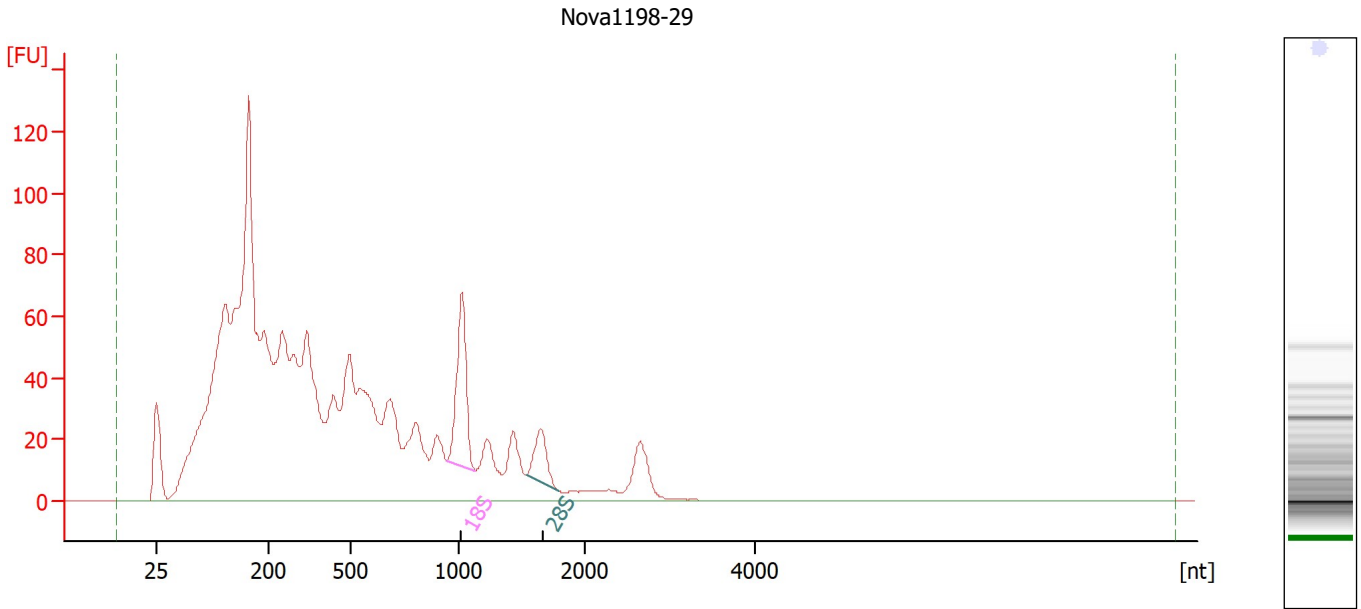
Fragment table for sample 10 : Nova1198-28

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	931	1,109	66.4	3.5
28S	1,505	1,750	10.7	0.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-11-04_001.xad

Created: 11/4/2024 4:19:04 PM
 Modified: 11/4/2024 4:56:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Nova1198-29

RNA Area:	2,066.4	RNA Integrity Number (RIN):	3.6 (B.02.10)
RNA Concentration:	8,017 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 3.60

Fragment table for sample 11 : Nova1198-29

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	943	1,124	80.1	3.9
28S	1,533	1,788	29.3	1.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-11-04_001.xad

Created: 11/4/2024 4:19:04 PM
Modified: 11/4/2024 4:56:46 PM

Gel Image

Assay Class: Eukaryote Total RNA Pico Created: 11/4/2024 4:19:04 PM
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-11-04_001.xad Modified: 11/4/2024 4:56:46 PM

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		11/4/2024 4:42:00 PM	(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\2024-11-04\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2024-11-04_001.xad)		Instrument	Run		11/4/2024 4:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/4/2024 4:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/4/2024 4:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/4/2024 4:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/4/2024 4:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/4/2024 4:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/4/2024 4:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB