

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...00 bioanalyzer\2100 expert\data\2024-01-16\QC1726_10-12.xad

Created: 1/16/2024 2:41:11 PM
Modified: 1/16/2024 3:10:38 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)

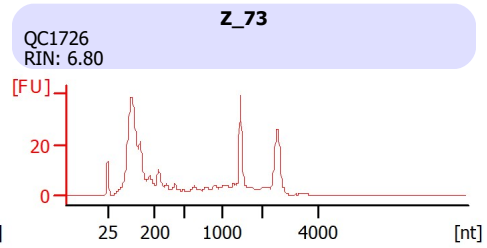
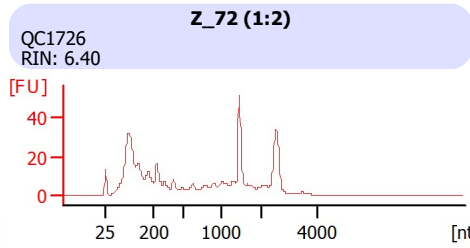
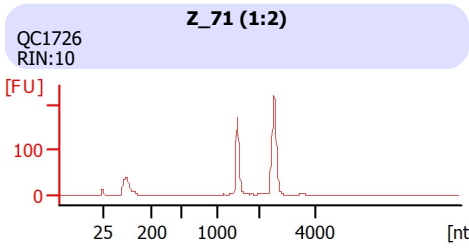
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Z_71 (1:2)	QC1726	✓	RIN:10	
Z_72 (1:2)	QC1726	✓	RIN: 6.40	
Z_73	QC1726	✓	RIN: 6.80	
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

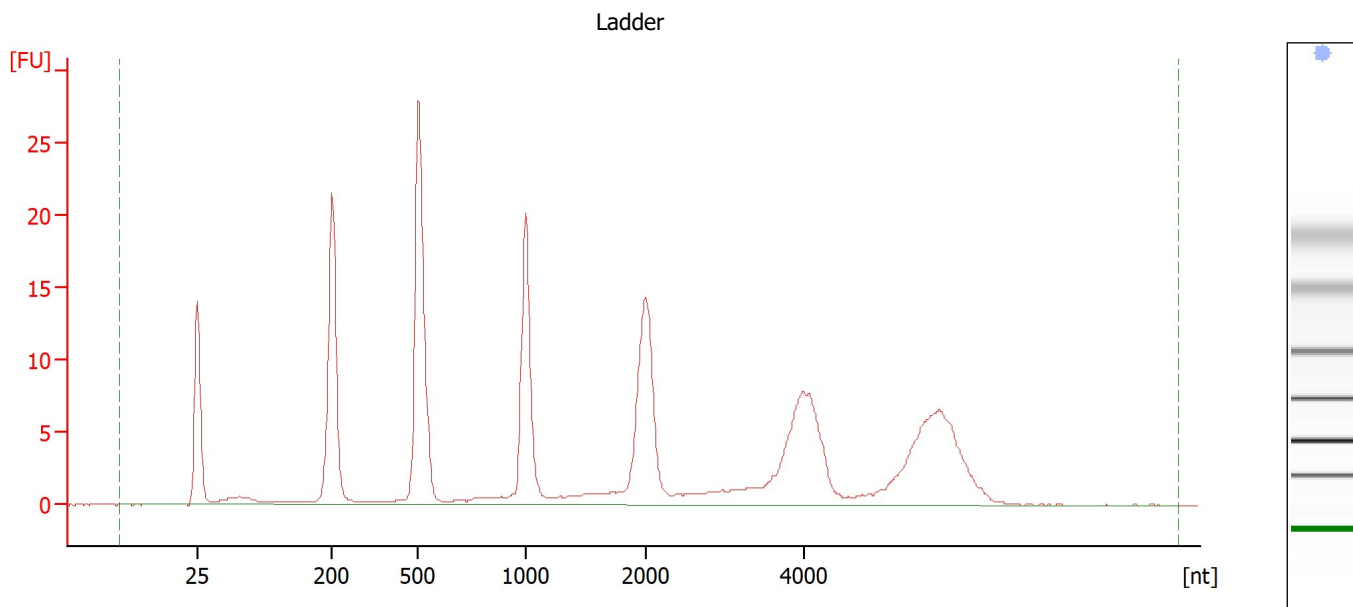
Ladder

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

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Electropherogram Summary



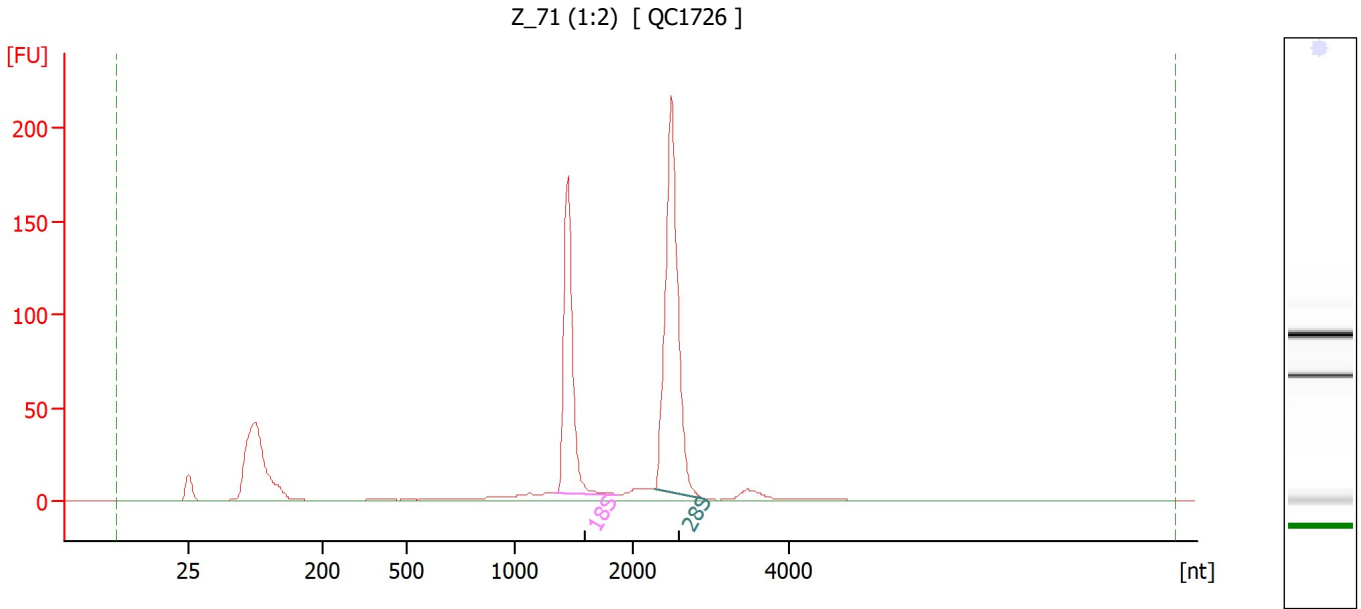
Overall Results for Ladder

RNA Area:	216.4	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 9 : Z_71 (1:2)

RNA Area:	830.0	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	575 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN:10

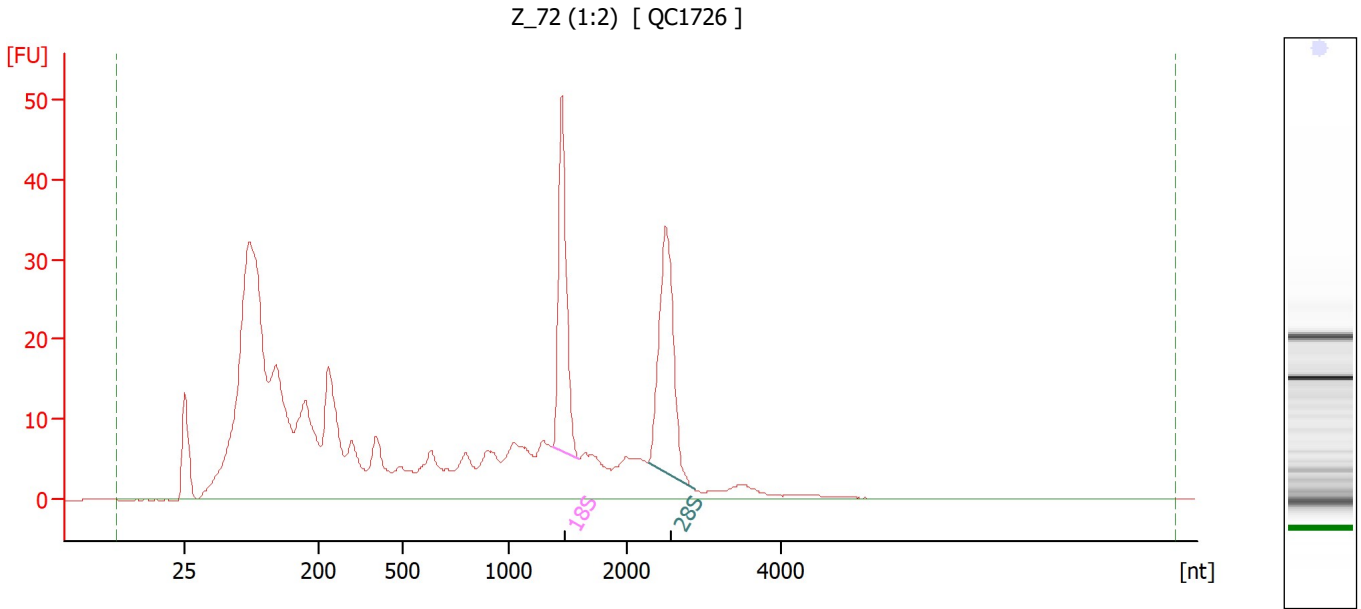
Fragment table for sample 9 : Z_71 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,336	1,860	187.2	22.6
28S	2,280	2,936	312.8	37.7

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Electropherogram Summary Continued ...



Overall Results for sample 10 : Z_72 (1:2)

RNA Area:	635.9	RNA Integrity Number (RIN):	6.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	441 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.40

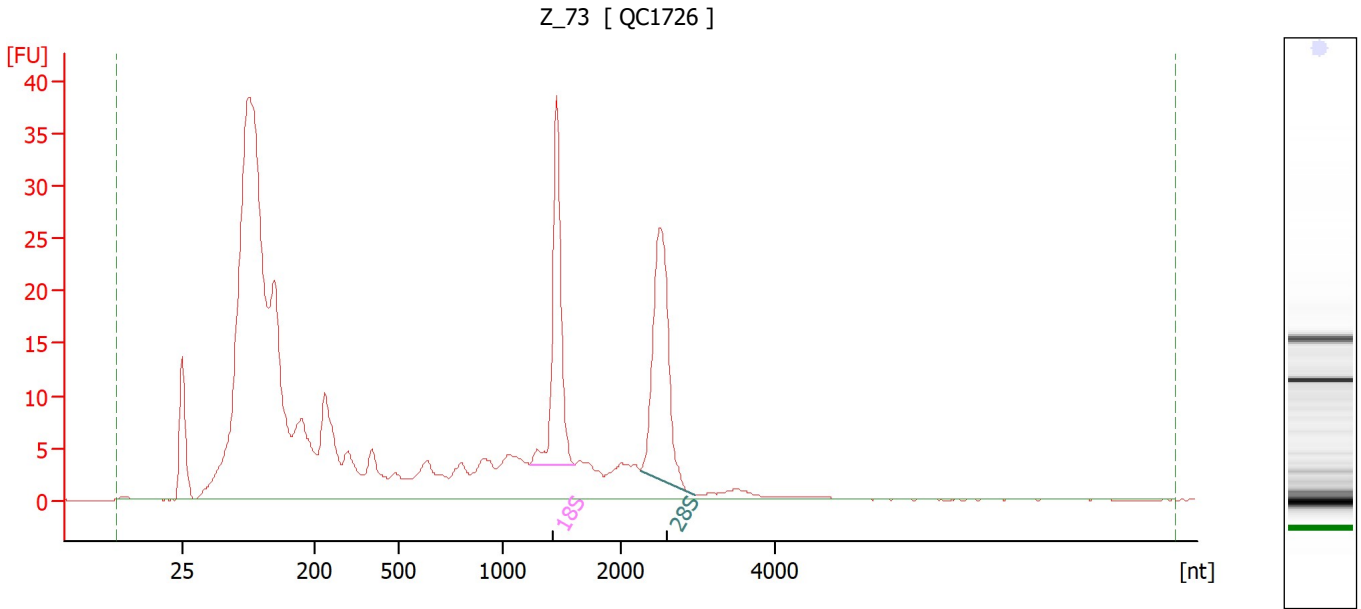
Fragment table for sample 10 : Z_72 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,366	1,602	47.5	7.5
28S	2,278	2,870	54.0	8.5

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Electropherogram Summary Continued ...



Overall Results for sample 11 : Z_73

RNA Area:	522.0	RNA Integrity Number (RIN):	6.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	362 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.80

Fragment table for sample 11 : Z_73

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,231	1,606	39.9	7.6
28S	2,263	2,969	44.9	8.6

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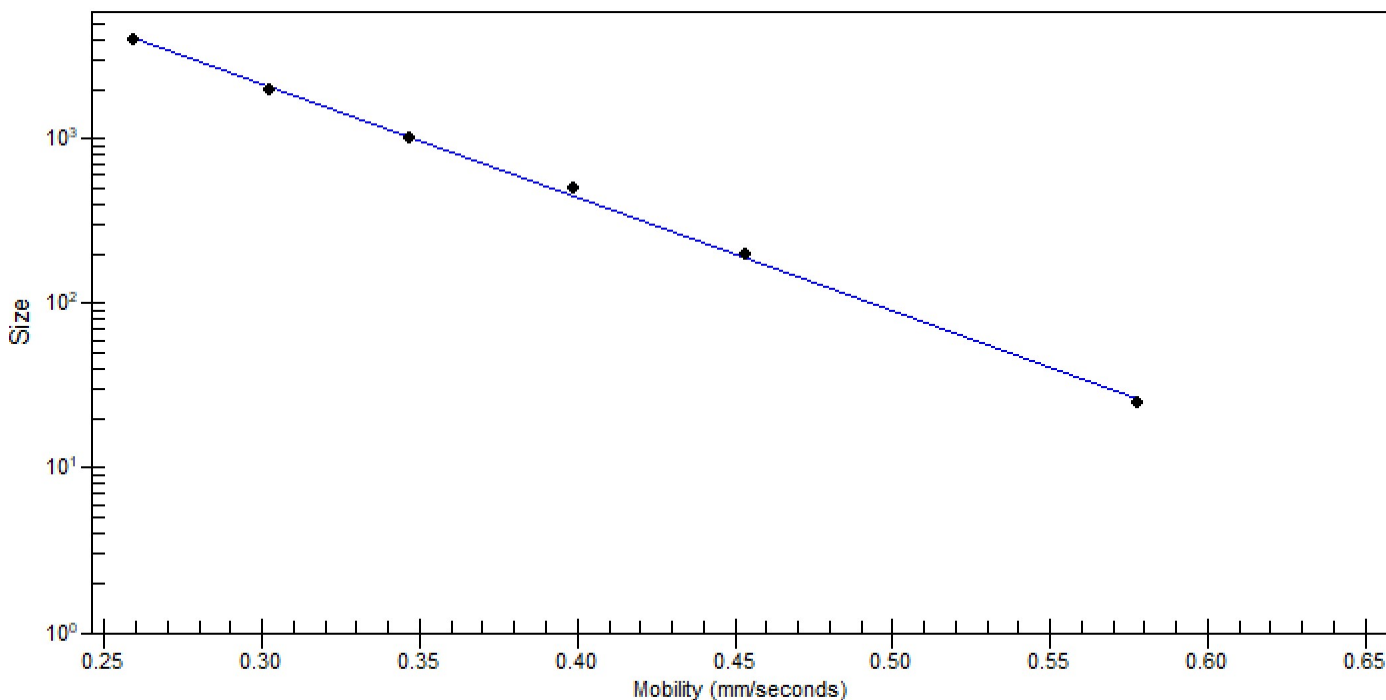
Gel Image

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Curves

Standard Curve



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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		1/16/2024 3:05:03 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\2024-01-16\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2024-01-16_001.xad)		Instrument	Run		1/16/2024 2:41:18 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/16/2024 2:41:18 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/16/2024 2:41:18 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/16/2024 2:41:18 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/16/2024 2:41:18 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/16/2024 2:41:18 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/16/2024 2:41:18 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB