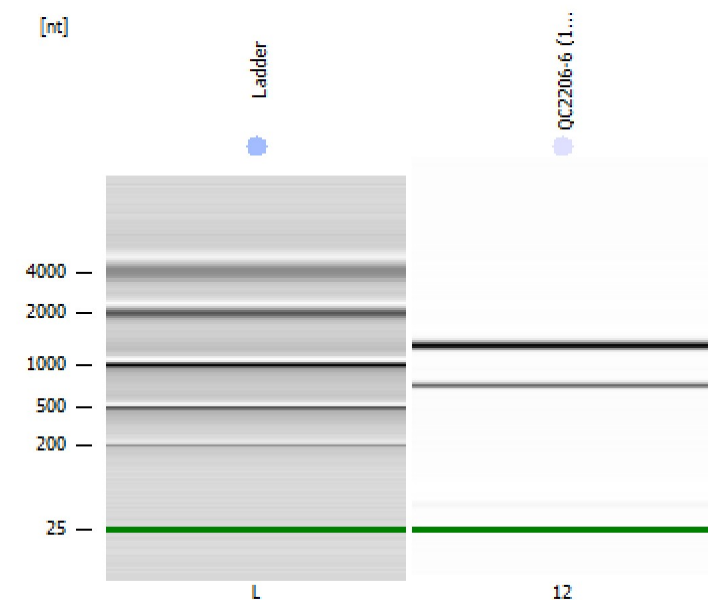


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...t\2100 bioanalyzer\2100 expert\data\2025-05-28\QC2206-6.xad

Created: 5/28/2025 5:54:52 PM
Modified: 5/28/2025 6:28:40 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)

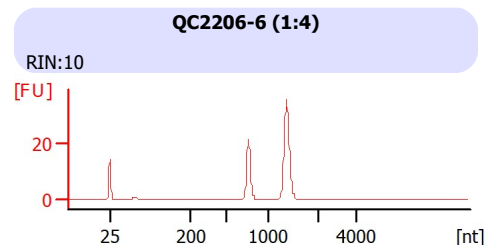
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...t\2100 bioanalyzer\2100 expert\data\2025-05-28\QC2206-6.xad

Created: 5/28/2025 5:54:52 PM
Modified: 5/28/2025 6:28:40 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC2206-6 (1:4)		✓	RIN:10	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\2100 bioanalyzer\2100 expert\data\2025-05-28\QC2206-6.xad

Created: 5/28/2025 5:54:52 PM
Modified: 5/28/2025 6:28:40 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

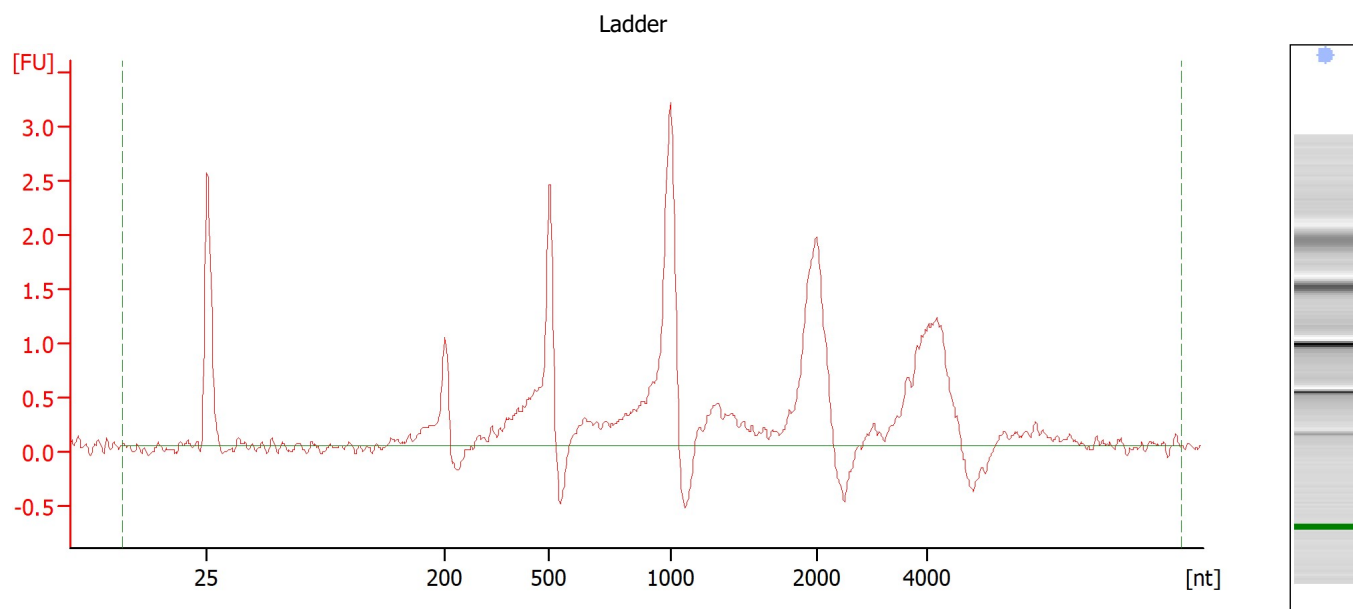
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\2100 bioanalyzer\2100 expert\data\2025-05-28\QC2206-6.xad

Created: 5/28/2025 5:54:52 PM
Modified: 5/28/2025 6:28:40 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 23.6

Result Flagging Color:



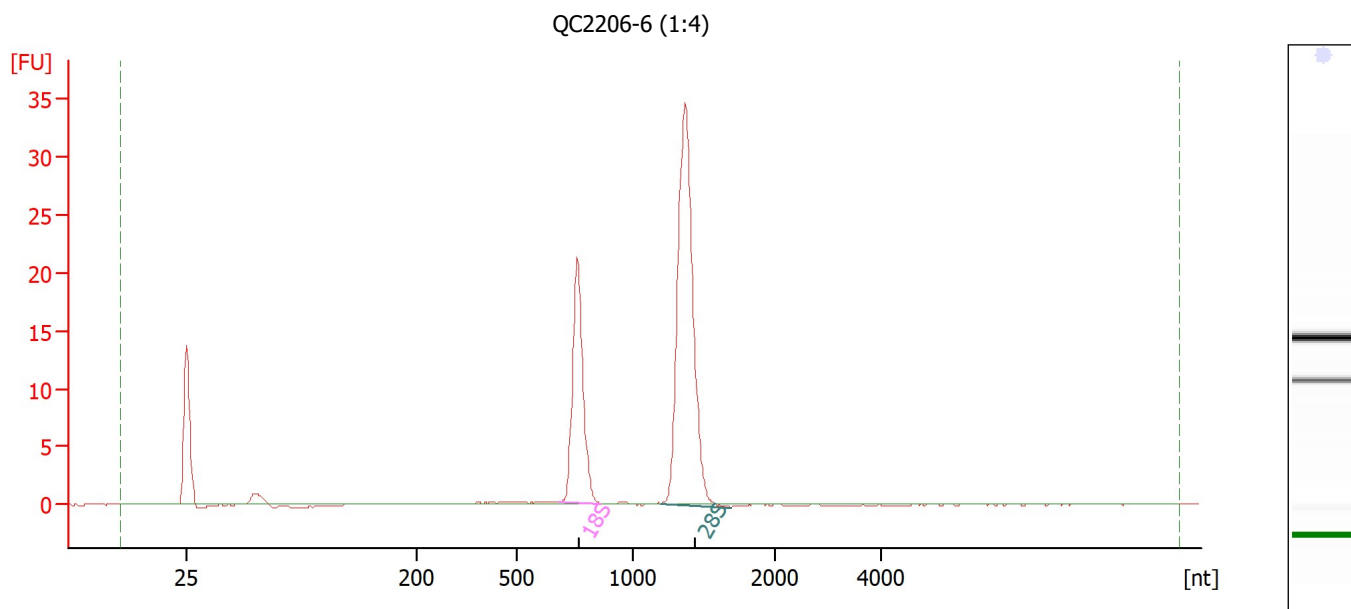
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...t\2100 bioanalyzer\2100 expert\data\2025-05-28\QC2206-6.xad

Created: 5/28/2025 5:54:52 PM
Modified: 5/28/2025 6:28:40 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : QC2206-6 (1:4)**

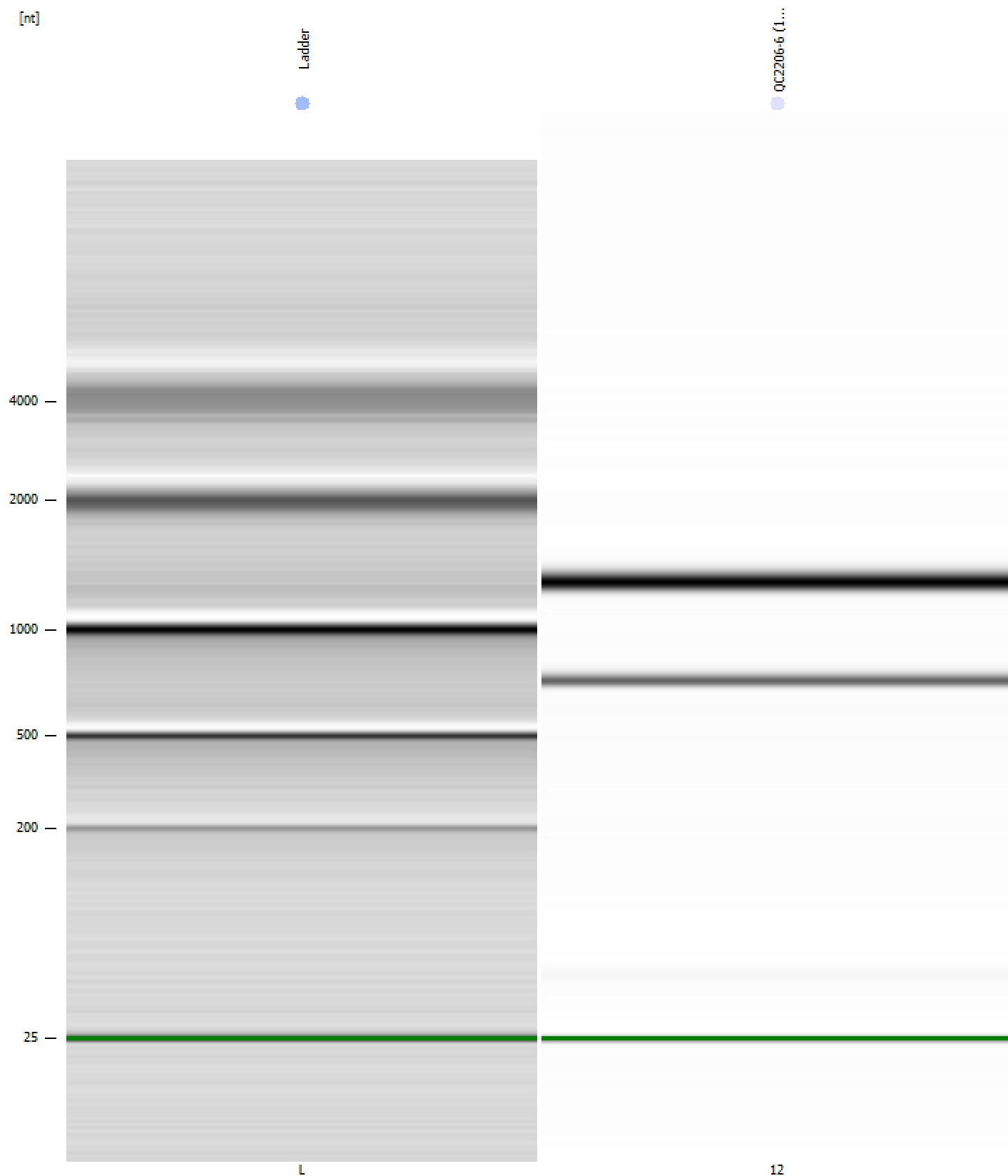
RNA Area: 98.0 RNA Integrity Number (RIN): 10 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration: 622 ng/μl
rRNA Ratio [28s / 18s]: 2.1
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 12 : QC2206-6 (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	677	865	29.6	30.2
28S	1,194	1,694	62.0	63.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...t\2100 bioanalyzer\2100 expert\data\2025-05-28\QC2206-6.xad

Created: 5/28/2025 5:54:52 PM
Modified: 5/28/2025 6:28:40 PM

Gel Image

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...t\2100 bioanalyzer\2100 expert\data\2025-05-28\QC2206-6.xad

Created: 5/28/2025 5:54:52 PM
 Modified: 5/28/2025 6:28:40 PM

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		5/28/2025 6:17:55 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\2025-05-28\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_002.xad)		Instrument	Run		5/28/2025 5:54:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/28/2025 5:54:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/28/2025 5:54:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/28/2025 5:54:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/28/2025 5:54:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/28/2025 5:54:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/28/2025 5:54:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB