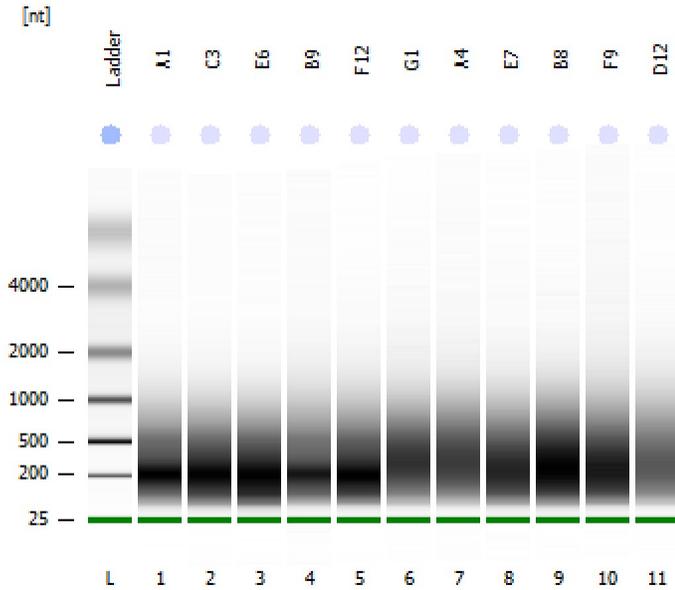


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...25\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-05-25\_001.xad

Created: 5/25/2023 12:40:59 PM  
Modified: 5/25/2023 1:03:56 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

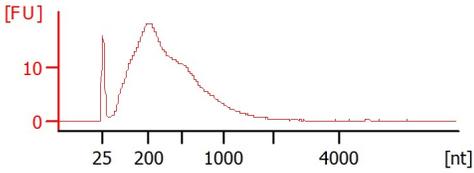
Assay Information:

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)  
© Copyright 2003 - 2009 Agilent Technologies, Inc.

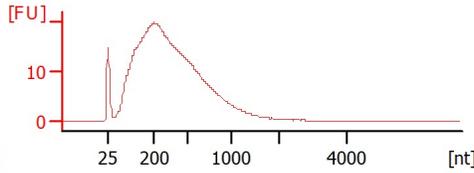
Chip Information:

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

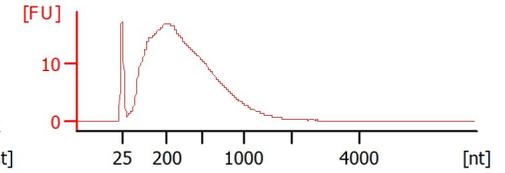
**A1**  
1-4  
RIN: 2.10



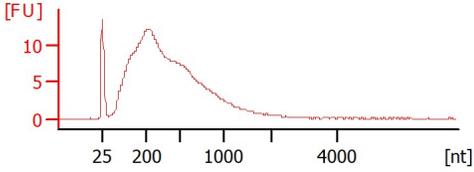
**C3**  
1-4  
RIN: 2.10



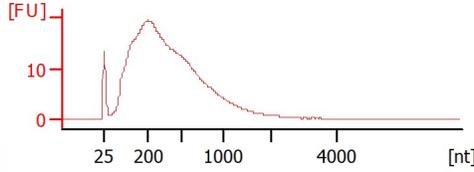
**E6**  
1-4  
RIN: 2.10



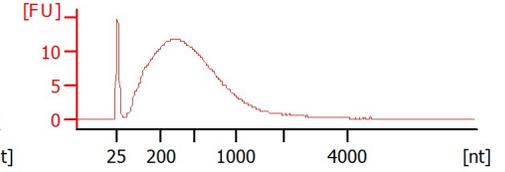
**B9**  
1-4  
RIN: 2.10



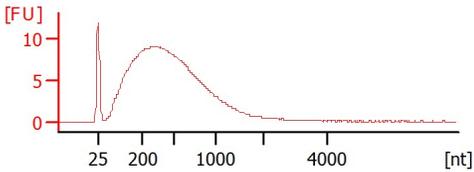
**F12**  
1-4  
RIN: 2



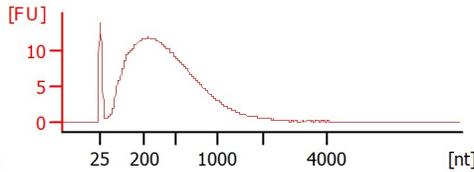
**G1**  
RIN: 2.10



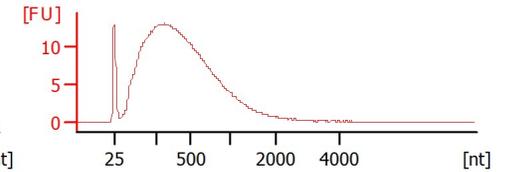
**A4**  
RIN: 2.10



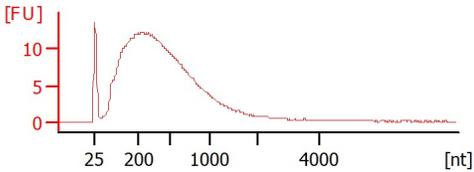
**E7**  
RIN: 2.10



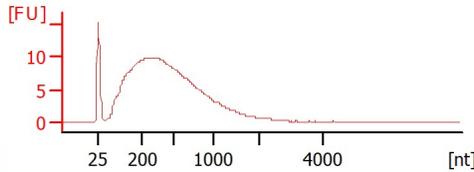
**B8**  
RIN: 2



**F9**  
RIN: 2.10



**D12**  
RIN: 2.20



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...25\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-05-25\_001.xad

Created: 5/25/2023 12:40:59 PM  
 Modified: 5/25/2023 1:03:56 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
A1	1-4	✓	RIN: 2.10	
C3	1-4	✓	RIN: 2.10	
E6	1-4	✓	RIN: 2.10	
B9	1-4	✓	RIN: 2.10	
F12	1-4	✓	RIN:2	
G1		✓	RIN: 2.10	
A4		✓	RIN: 2.10	
E7		✓	RIN: 2.10	
B8		✓	RIN:2	
F9		✓	RIN: 2.10	
D12		✓	RIN: 2.20	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...25\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-05-25\_001.xad

Created: 5/25/2023 12:40:59 PM  
 Modified: 5/25/2023 1:03:56 PM

**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

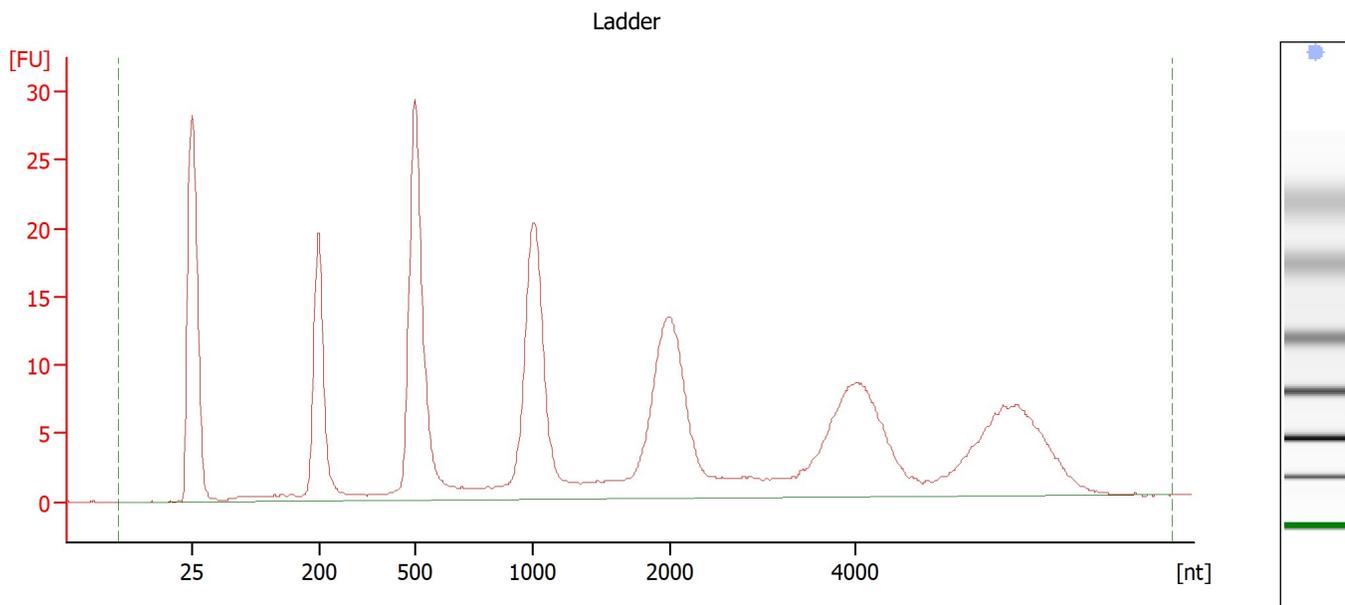
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...25\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-05-25\_001.xad

Created: 5/25/2023 12:40:59 PM  
Modified: 5/25/2023 1:03:56 PM

**Electropherogram Summary**



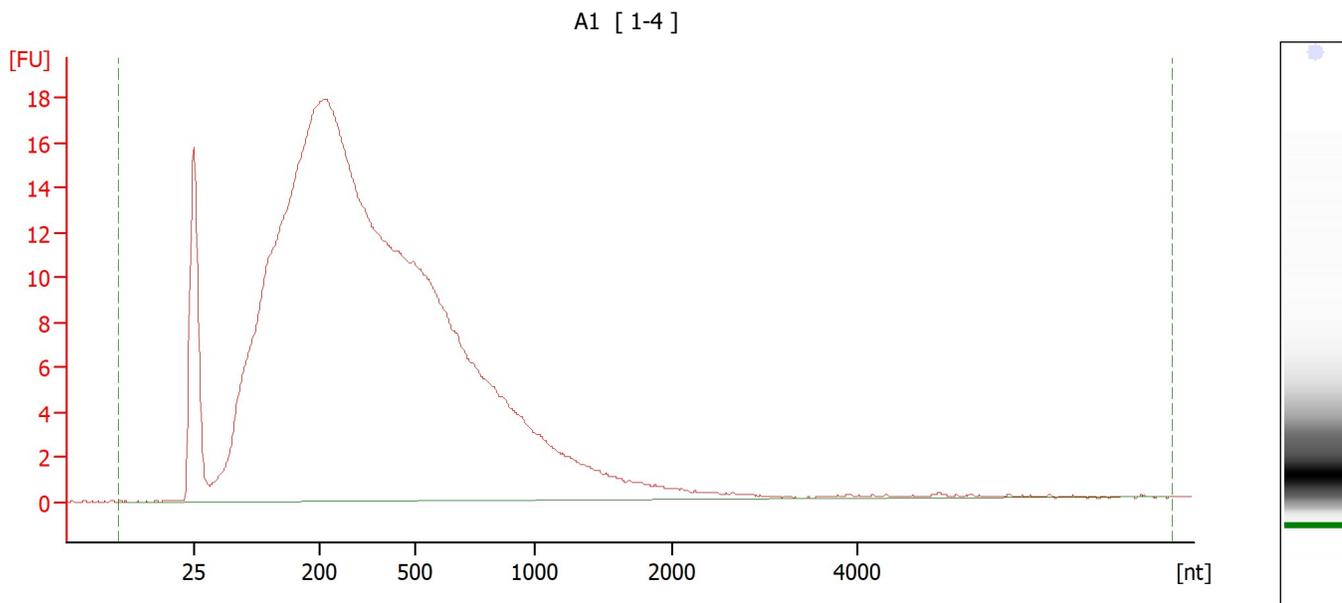
**Overall Results for Ladder**

RNA Area:	347.5	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...25\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-05-25\_001.xad

Created: 5/25/2023 12:40:59 PM  
 Modified: 5/25/2023 1:03:56 PM

**Electropherogram Summary Continued ...**



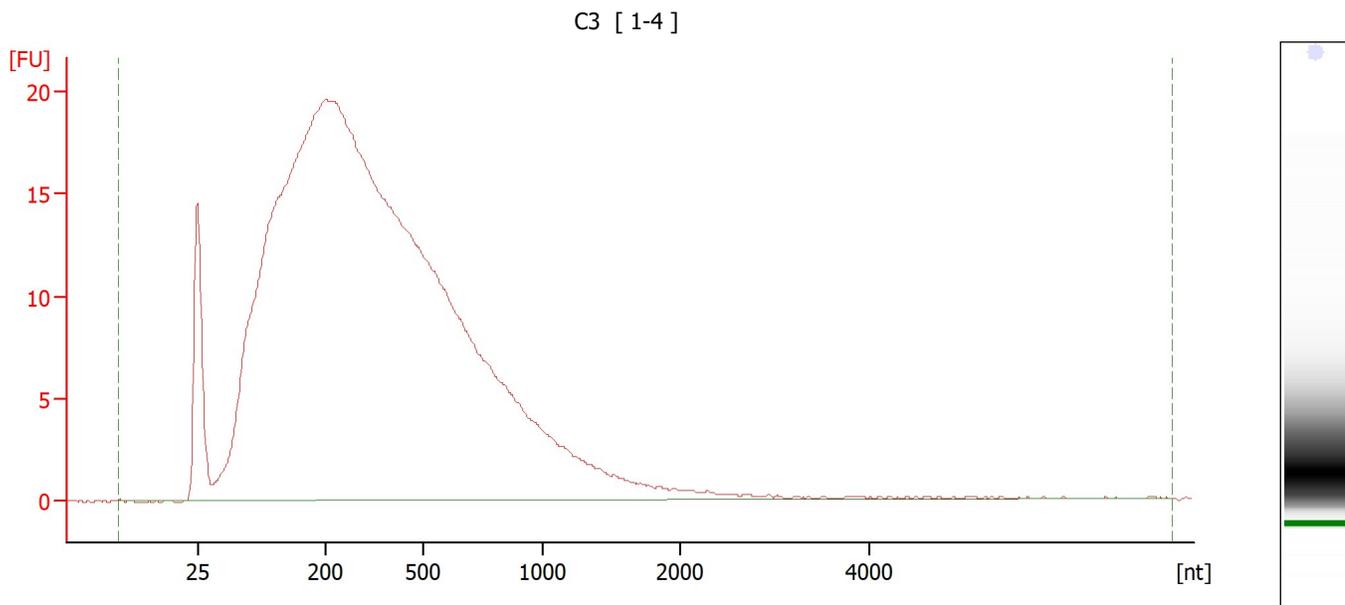
**Overall Results for sample 1 : A1**

RNA Area:	495.7	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,426 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...25\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-05-25\_001.xad

Created: 5/25/2023 12:40:59 PM  
Modified: 5/25/2023 1:03:56 PM

**Electropherogram Summary Continued ...**



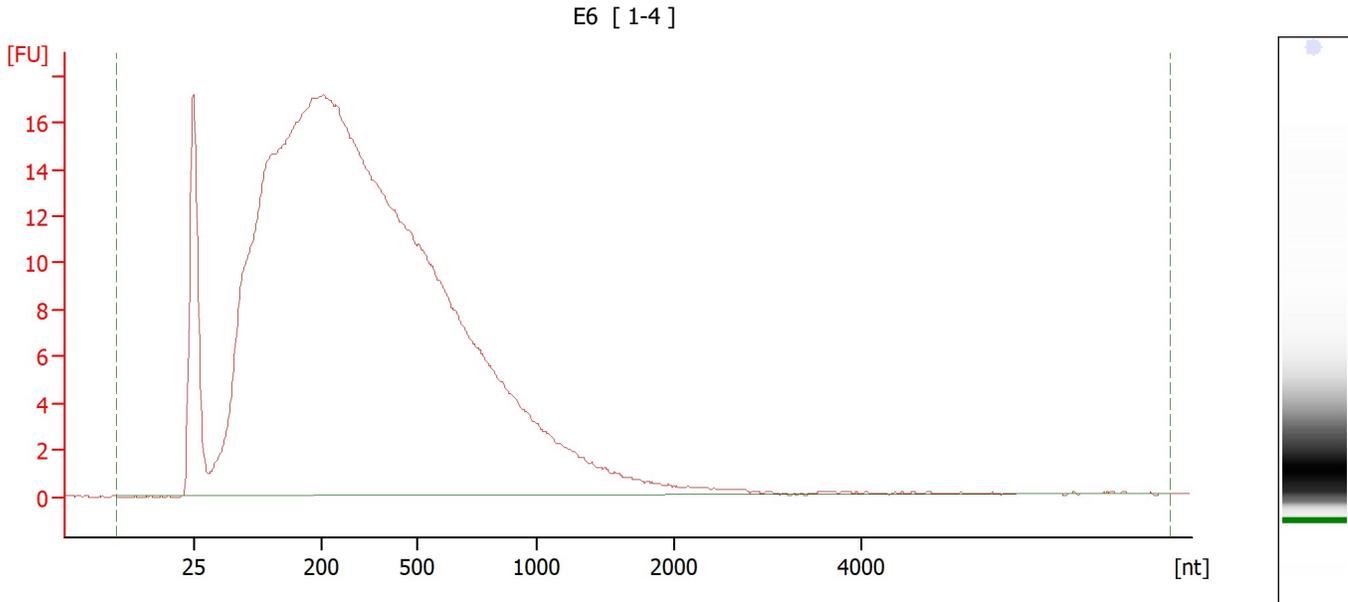
**Overall Results for sample 2 : C3**

RNA Area:	593.5	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,708 pg/ $\mu$ l	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...25\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-05-25\_001.xad

Created: 5/25/2023 12:40:59 PM  
Modified: 5/25/2023 1:03:56 PM

**Electropherogram Summary Continued ...**



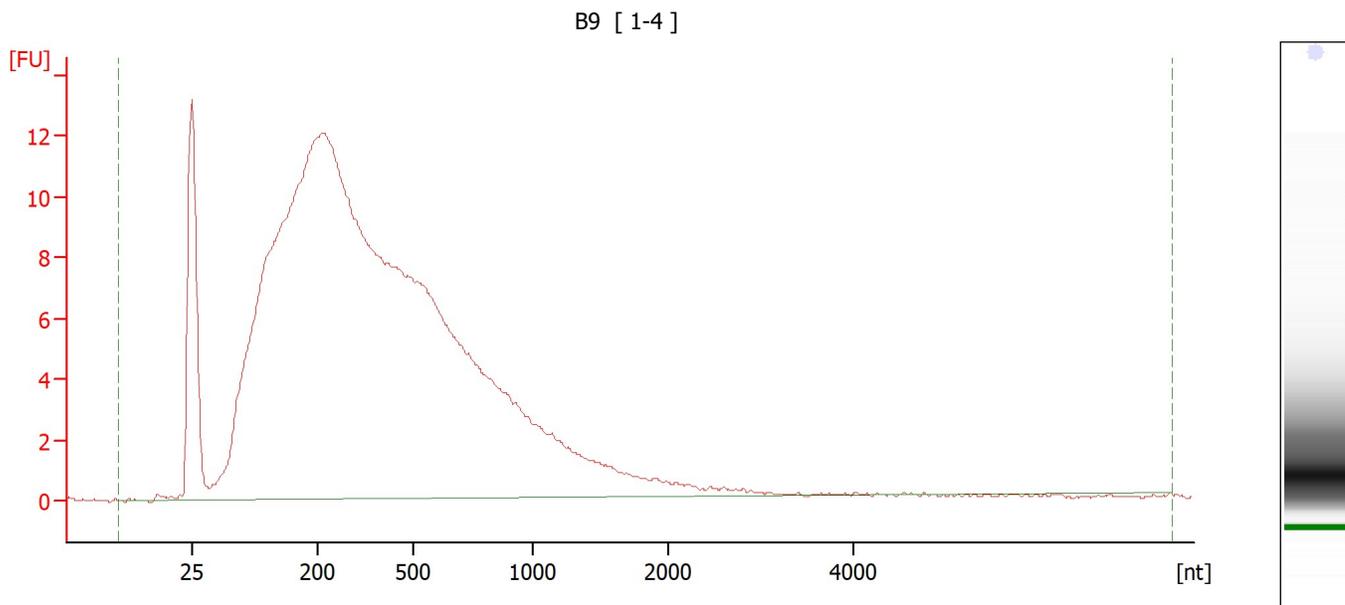
**Overall Results for sample 3 : E6**

RNA Area:	550.7	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,585 pg/ $\mu$ l	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...25\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-05-25\_001.xad

Created: 5/25/2023 12:40:59 PM  
Modified: 5/25/2023 1:03:56 PM

**Electropherogram Summary Continued ...**



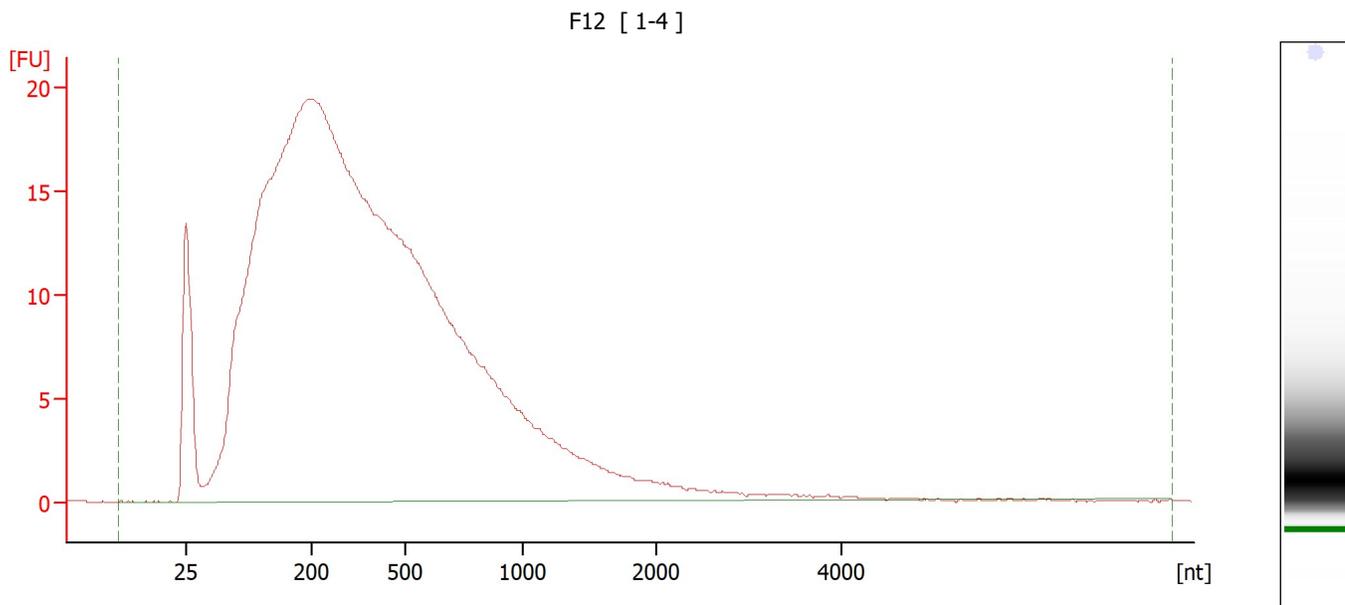
**Overall Results for sample 4 : B9**

RNA Area:	351.4	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,011 pg/ $\mu$ l	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...25\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-05-25\_001.xad

Created: 5/25/2023 12:40:59 PM  
Modified: 5/25/2023 1:03:56 PM

**Electropherogram Summary Continued ...**



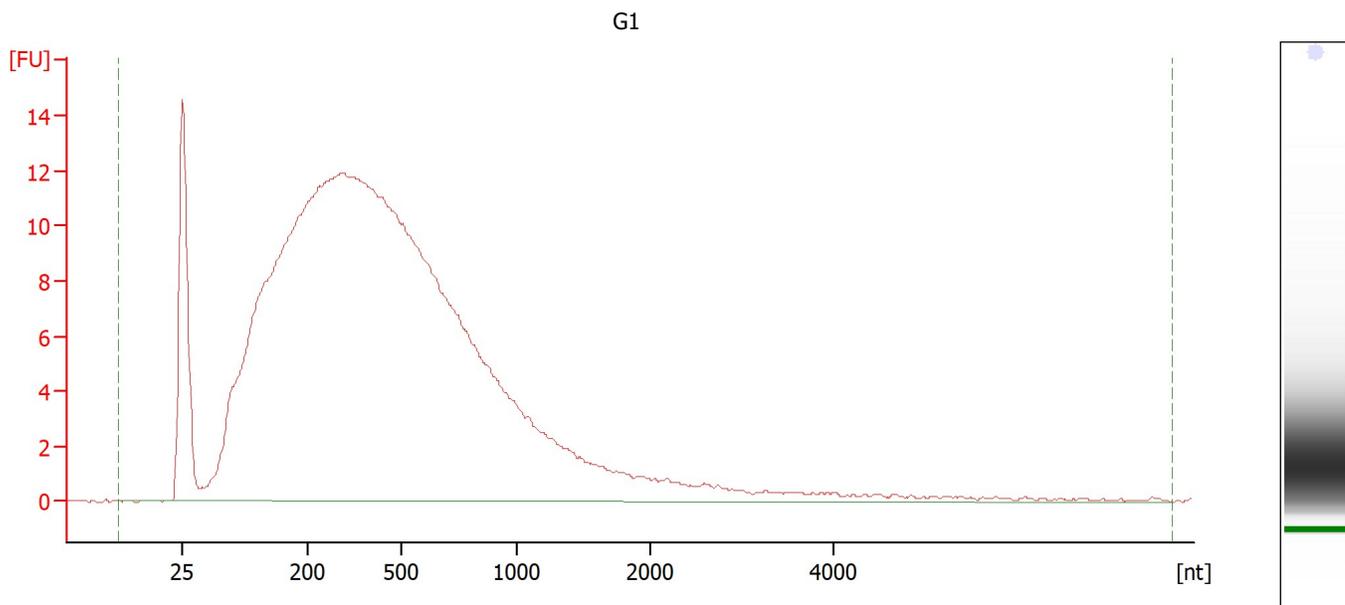
**Overall Results for sample 5 : F12**

RNA Area:	607.1	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	1,747 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...25\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-05-25\_001.xad

Created: 5/25/2023 12:40:59 PM  
 Modified: 5/25/2023 1:03:56 PM

**Electropherogram Summary Continued ...**



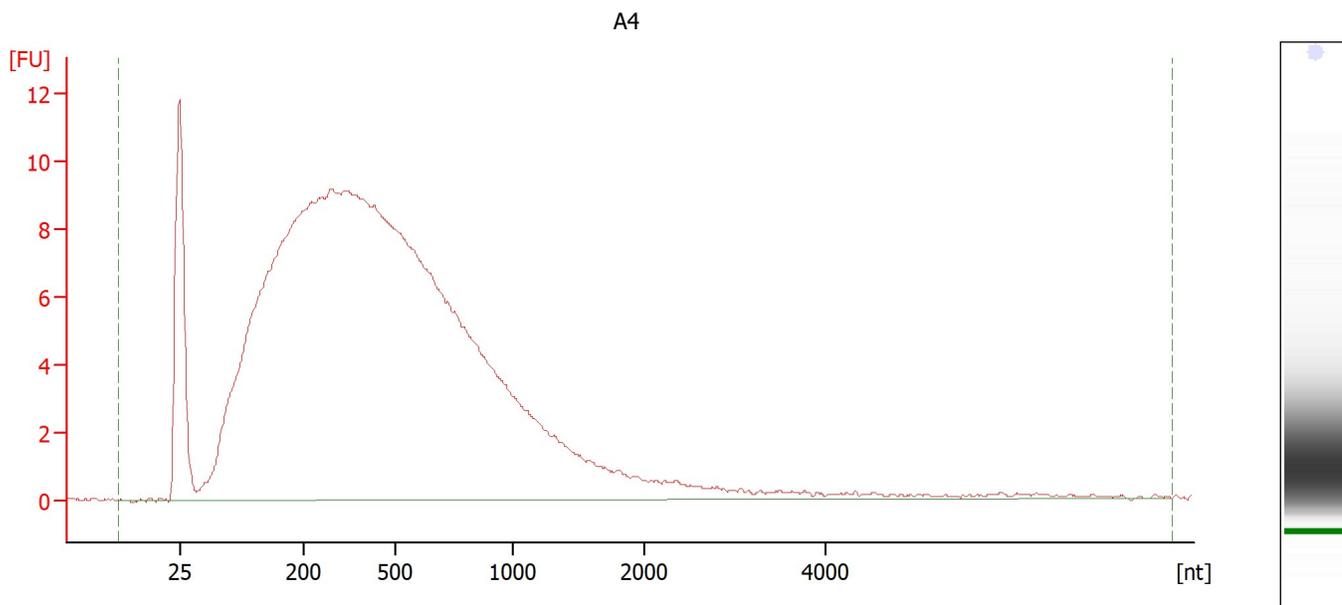
**Overall Results for sample 6 : G1**

RNA Area:	420.3	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,210 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...25\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-05-25\_001.xad

Created: 5/25/2023 12:40:59 PM  
Modified: 5/25/2023 1:03:56 PM

**Electropherogram Summary Continued ...**



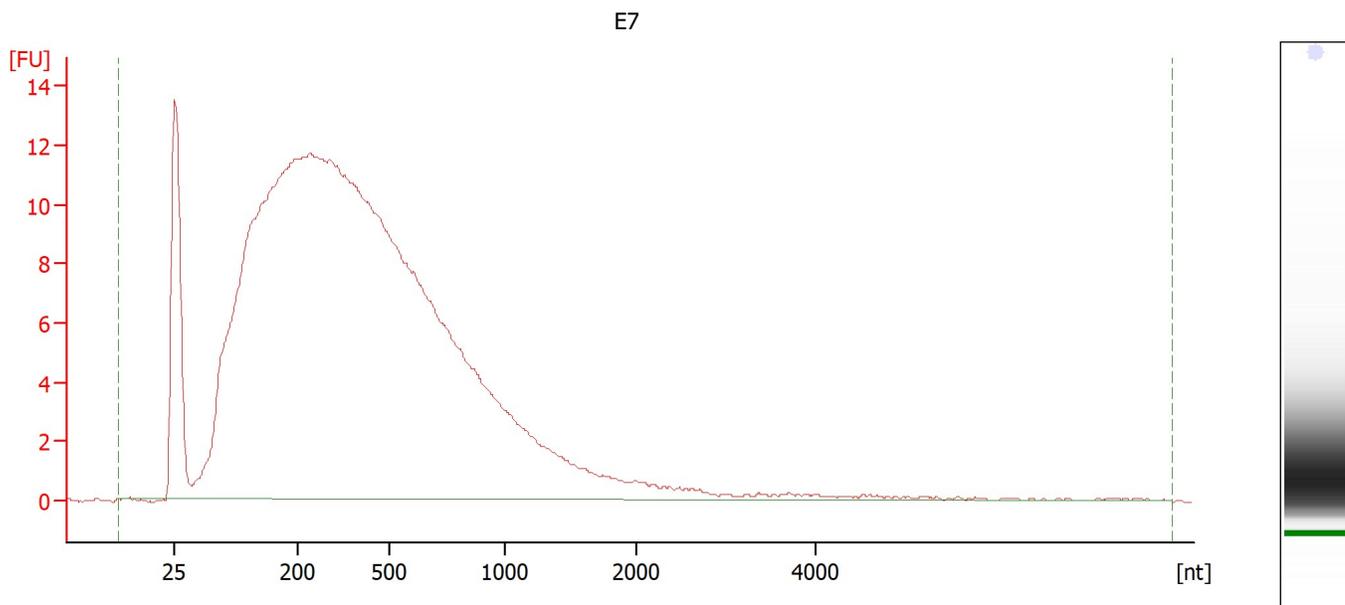
**Overall Results for sample 7 : A4**

RNA Area:	335.9	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	967 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...25\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-05-25\_001.xad

Created: 5/25/2023 12:40:59 PM  
Modified: 5/25/2023 1:03:56 PM

**Electropherogram Summary Continued ...**



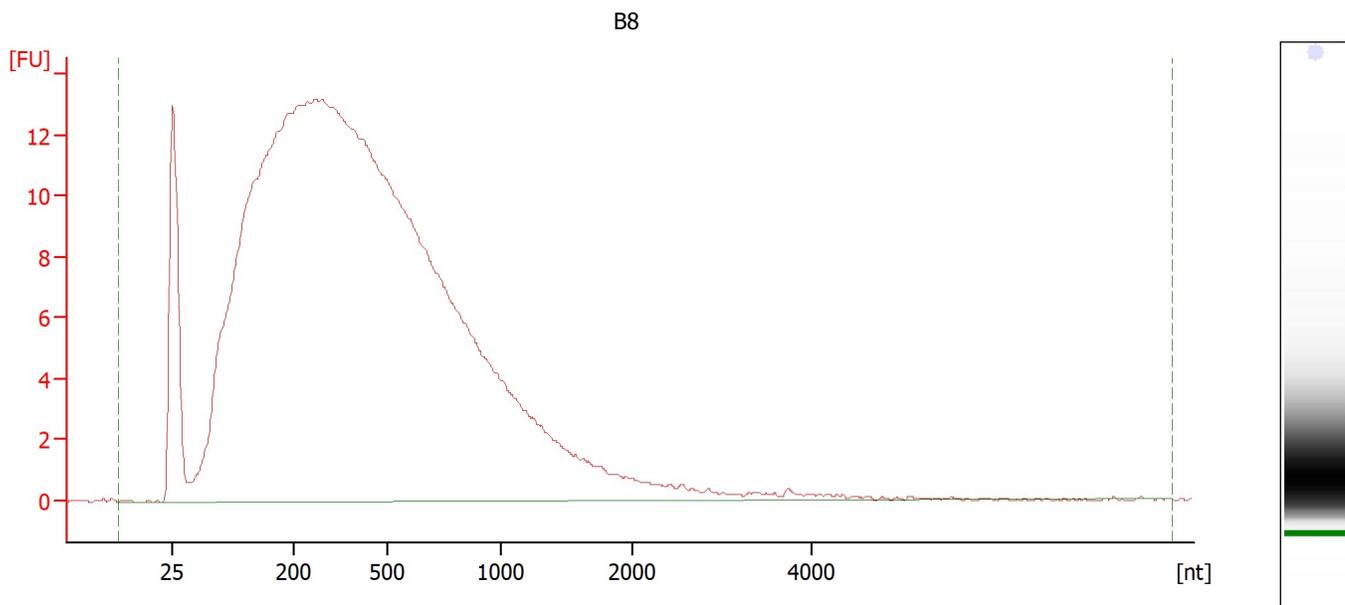
**Overall Results for sample 8 : E7**

RNA Area:	408.7	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,176 pg/ $\mu$ l	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...25\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-05-25\_001.xad

Created: 5/25/2023 12:40:59 PM  
 Modified: 5/25/2023 1:03:56 PM

**Electropherogram Summary Continued ...**



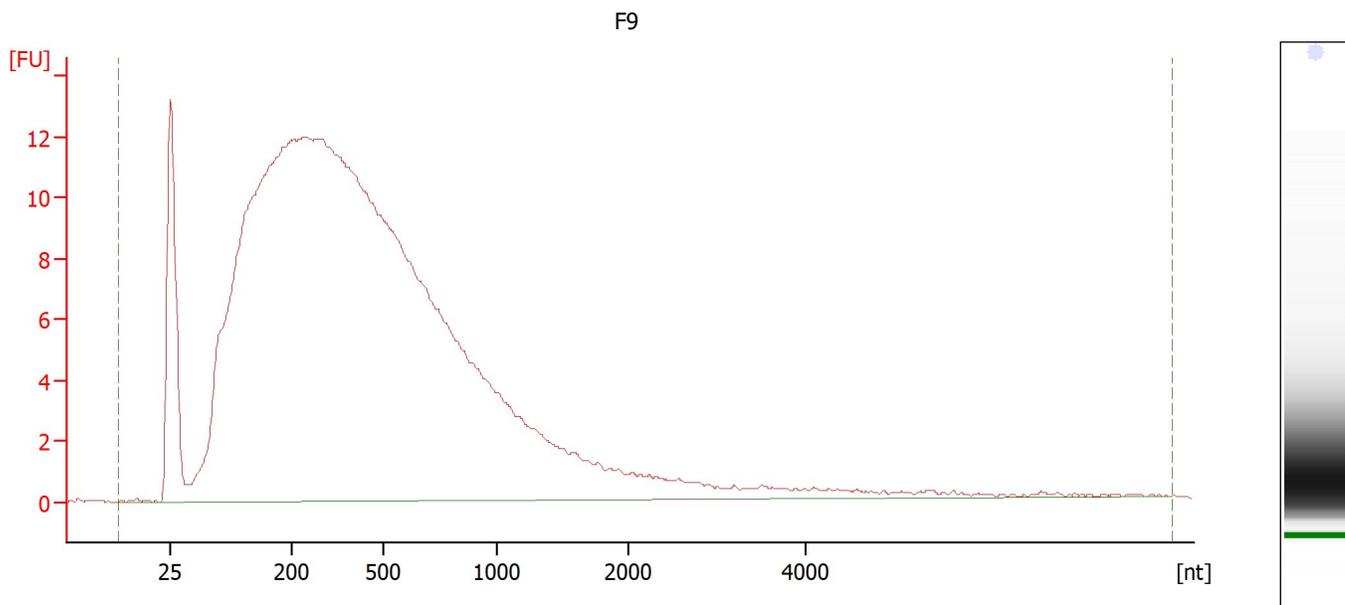
**Overall Results for sample 9 : B8**

RNA Area:	476.0	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	1,370 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...25\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-05-25\_001.xad

Created: 5/25/2023 12:40:59 PM  
Modified: 5/25/2023 1:03:56 PM

**Electropherogram Summary Continued ...**



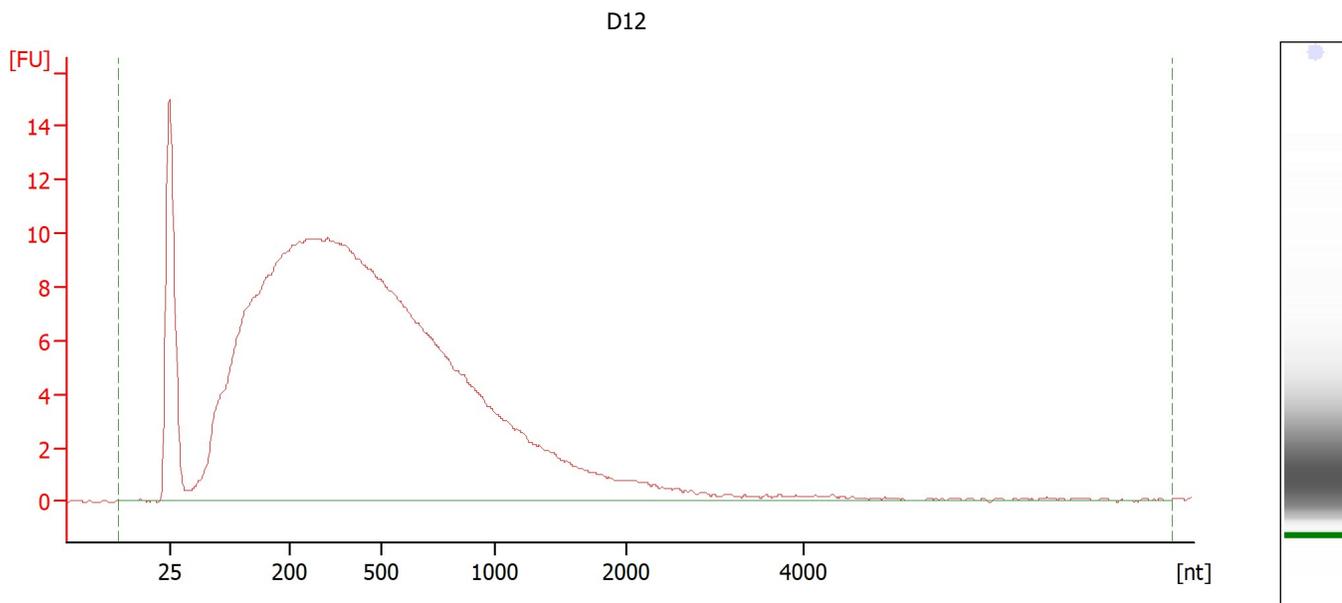
**Overall Results for sample 10 : F9**

RNA Area:	437.6	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,259 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...25\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-05-25\_001.xad

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**Electropherogram Summary Continued ...**



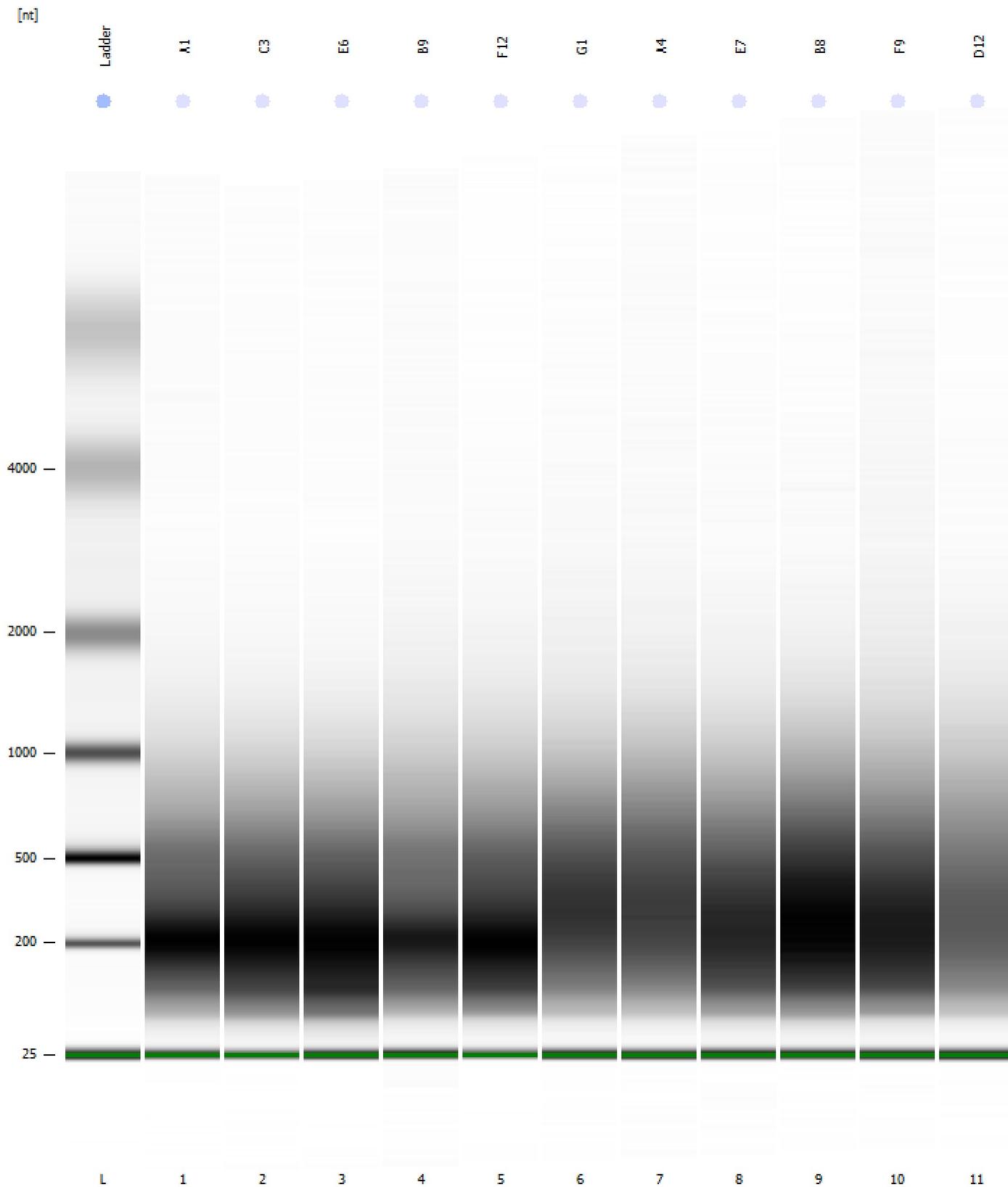
**Overall Results for sample 11 : D12**

RNA Area:	364.3	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	1,048 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...25\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-05-25\_001.xad

Created: 5/25/2023 12:40:59 PM  
Modified: 5/25/2023 1:03:56 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...25\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-05-25\_001.xad

Created: 5/25/2023 12:40:59 PM  
 Modified: 5/25/2023 1:03:56 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		5/25/2023 1:03:54 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-05-25\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-25_001.xad)		Instrument	Run		5/25/2023 12:41:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/25/2023 12:41:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/25/2023 12:41:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/25/2023 12:41:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/25/2023 12:41:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/25/2023 12:41:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/25/2023 12:41:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB