

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-09_001.xad

Created: 3/9/2020 1:43:15 PM
Modified: 3/9/2020 2:04:48 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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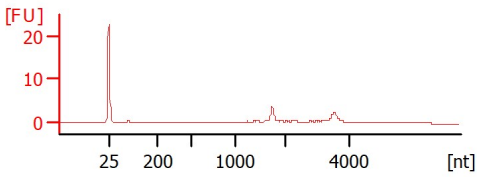
Chip Information:

Chip Lot #:

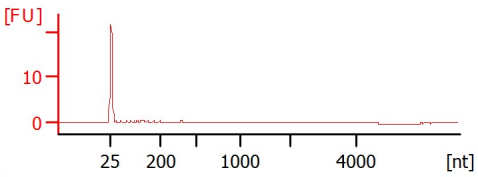
Reagent Kit Lot #:

Chip Comments:

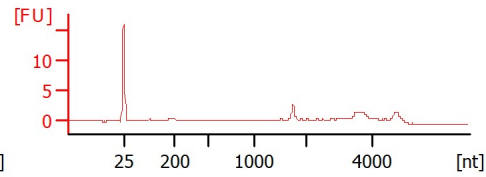
PP Input 60 min pup 3.2.20 1:5 diluti...
RIN: 7.50



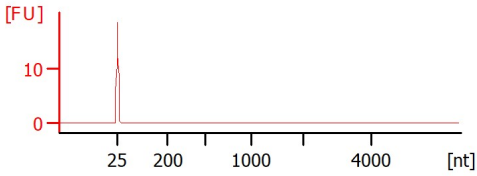
Sample 2
RIN:1



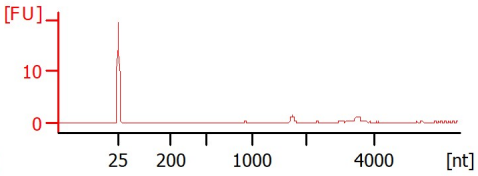
PP Input 60 min pup 3.2.20 1:10 dilut...
RIN: 6.10



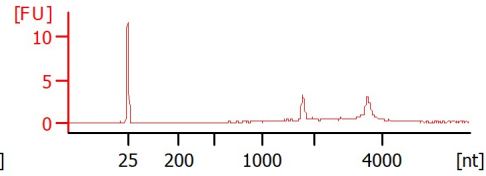
sample 4
RIN N/A



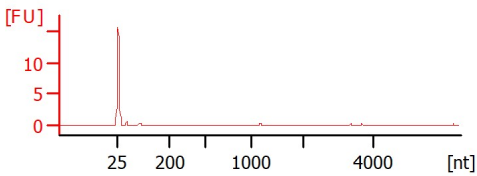
PP Input 60 min pup 3.2.20 1:10 dilut...
RIN: 9.60



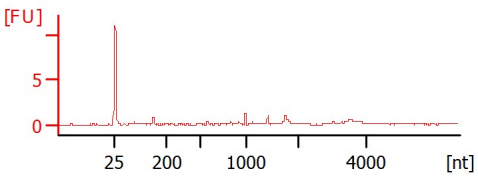
PP Input 60 min pup 3.2.20 1:10 dilut...
RIN: 8.40



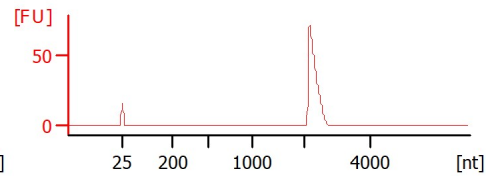
sample 7
RIN: 3.50



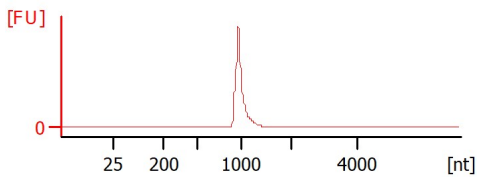
PP Input 60 min pup 3.2.20 1:10 dilut...
RIN N/A



Sample 9
RIN N/A



PP Input 60 min pup 3.2.20 1:5 diluti...
RIN N/A



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
PP Input 60 min pup 3.2.20 1:5 dilution Duplicate 1		✓	RIN: 7.50	
Sample 2		✓	RIN:1	
PP Input 60 min pup 3.2.20 1:10 dilution Duplicate 1		✓	RIN: 6.10	
sample 4		✓	RIN N/A	
PP Input 60 min pup 3.2.20 1:10 dilution Duplicate 2		✓	RIN: 9.60	
PP Input 60 min pup 3.2.20 1:10 dilution 2ul Duplicate 1		✓	RIN: 8.40	
sample 7		✓	RIN: 3.50	
PP Input 60 min pup 3.2.20 1:10 dilution 2ul Duplicate 2		✓	RIN N/A	
Sample 9		✓	RIN N/A	
PP Input 60 min pup 3.2.20 1:5 dilution Duplicate 2		✓	RIN N/A	
Sample 11				
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

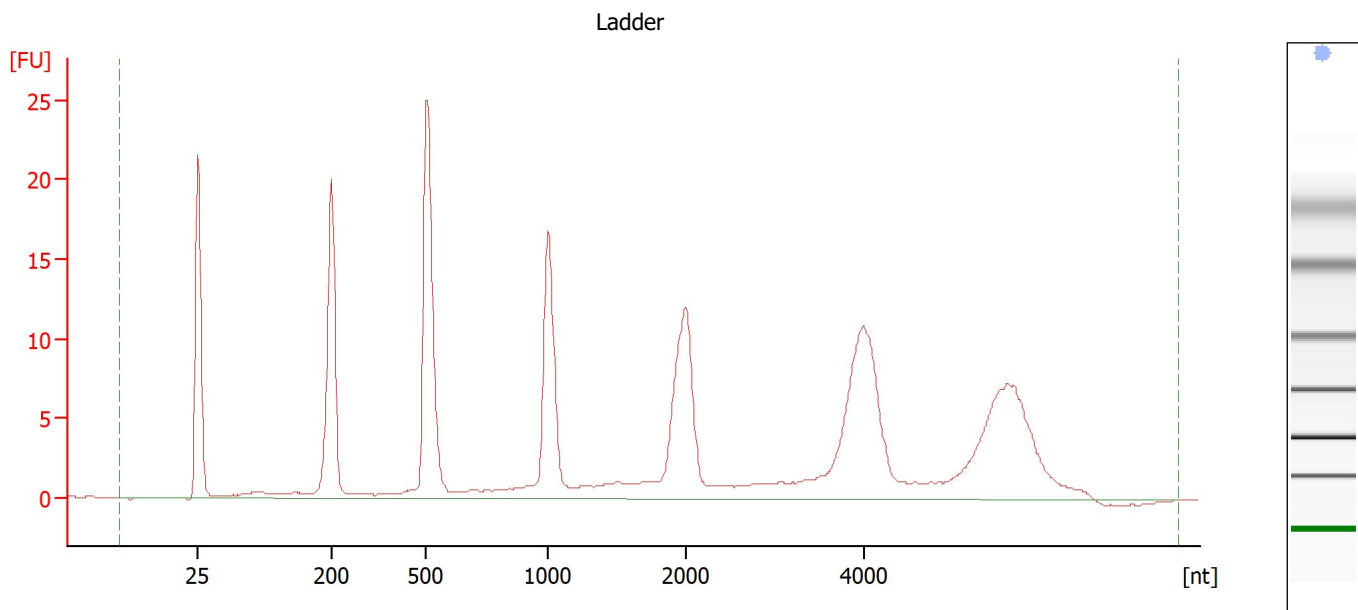
Ladder

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

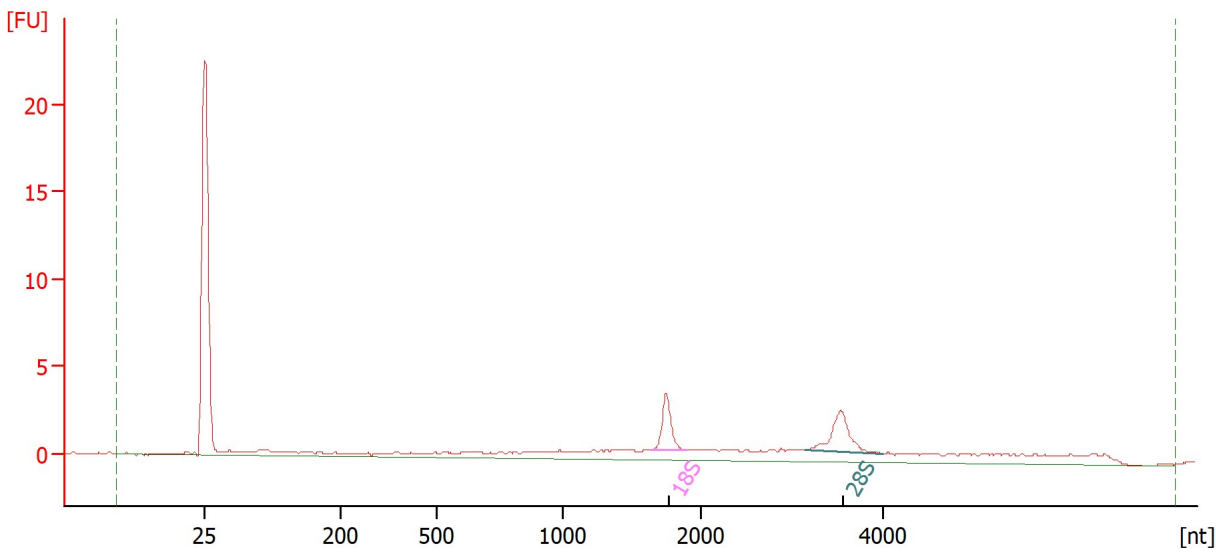
RNA Area:	226.4	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...

PP Input 60 min pup 3.2.20 1:5 dilution Duplicate 1



Overall Results for sample 1 : PP Input 60 min pup 3.2.20 1:5 dilution Duplicate 1

RNA Area:	44.5	RNA Integrity Number (RIN):	7.5 (B.02.10)
RNA Concentration:	197 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.50

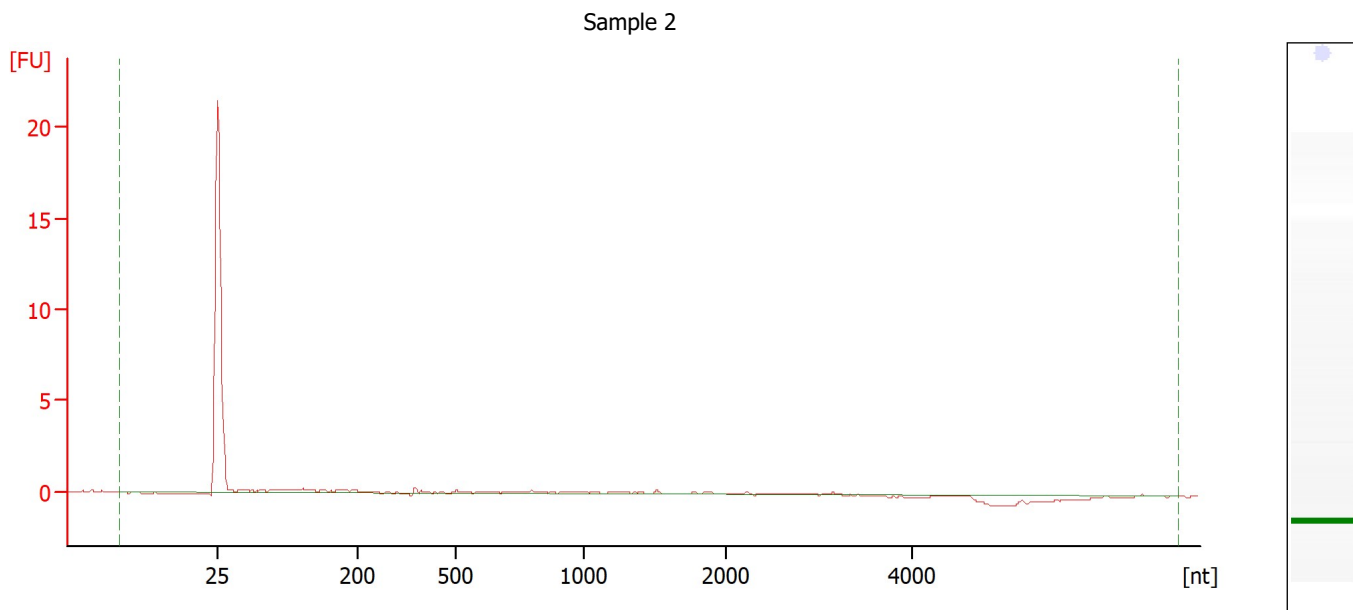
Fragment table for sample 1 : PP Input 60 min pup 3.2.20 1:5 dilution Duplicate 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,640	1,893	3.5	7.8
28S	3,129	3,998	4.3	9.7

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Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

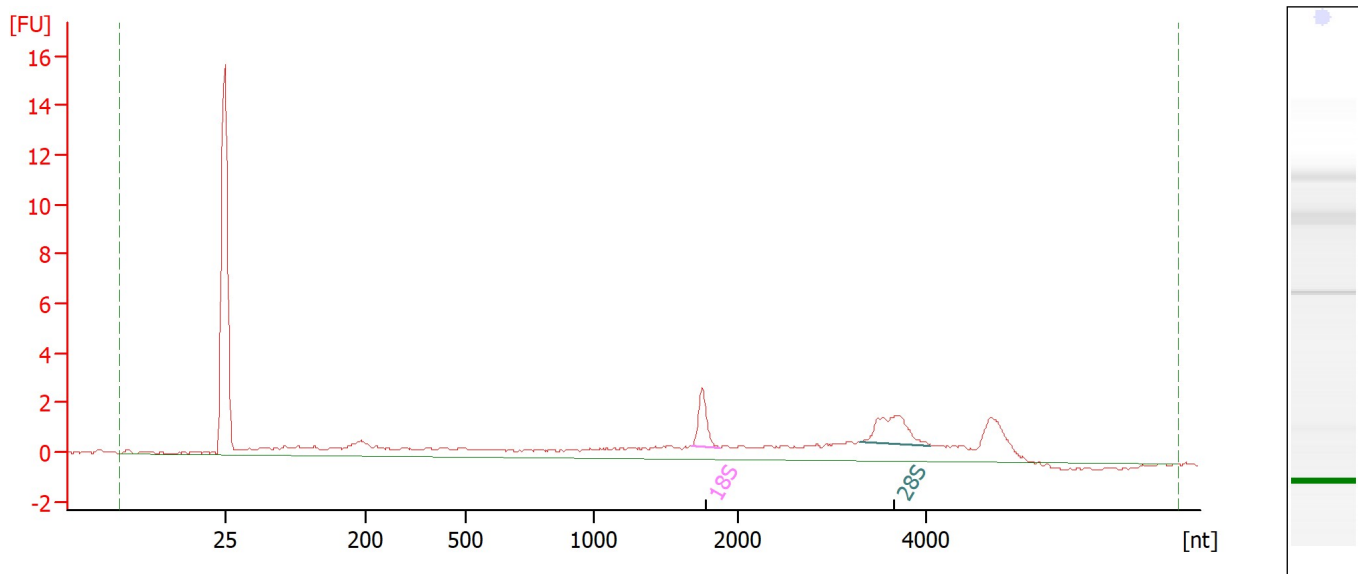
RNA Area:	5.5	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	24 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...

PP Input 60 min pup 3.2.20 1:10 dilution Duplicate 1



Overall Results for sample 3 : PP Input 60 min pup 3.2.20 1:10 dilution Duplicate 1

RNA Area:	44.5	RNA Integrity Number (RIN):	6.1 (B.02.10)
RNA Concentration:	197 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 6.10

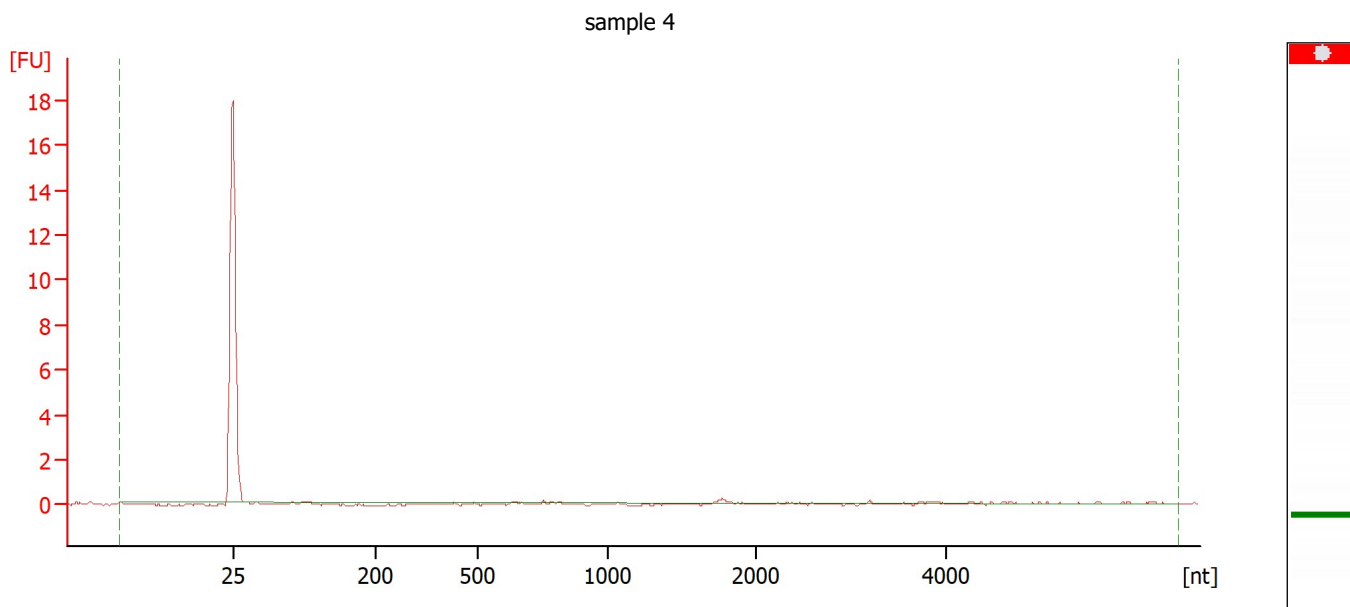
Fragment table for sample 3 : PP Input 60 min pup 3.2.20 1:10 dilution Duplicate 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,684	1,876	2.2	5.0
28S	3,299	4,049	3.5	7.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-09_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : sample 4

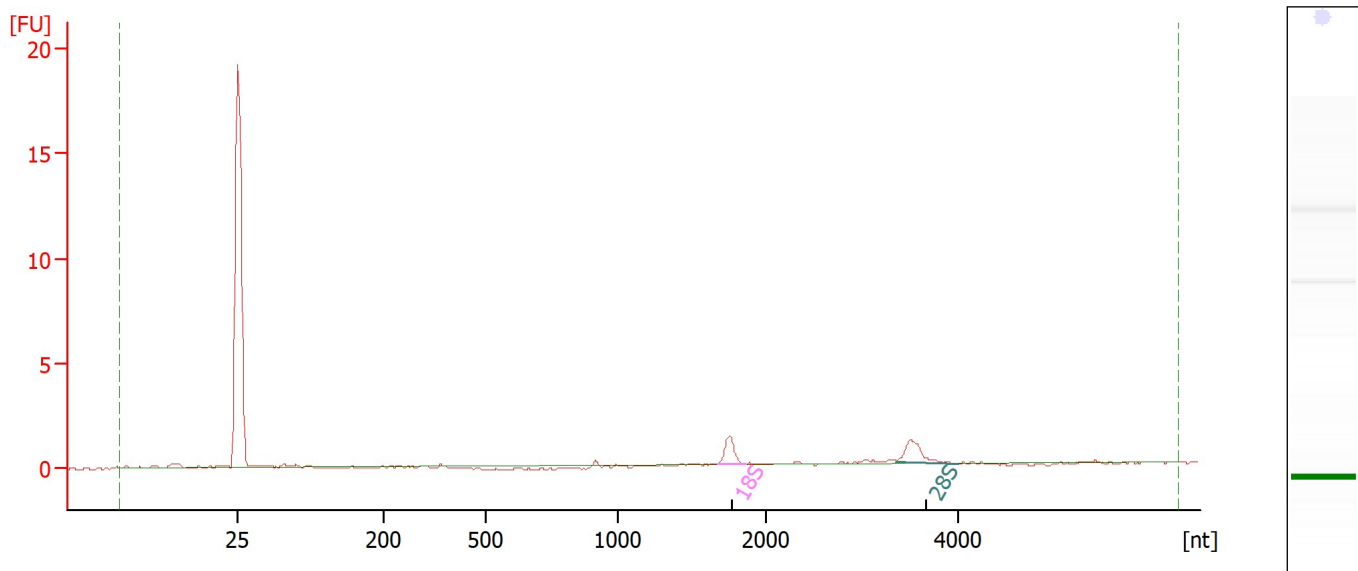
RNA Area:	1.9	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	8 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-09_001.xad

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Electropherogram Summary Continued ...

PP Input 60 min pup 3.2.20 1:10 dilution Duplicate 2



Overall Results for sample 5 : PP Input 60 min pup 3.2.20 1:10 dilution Duplicate 2

RNA Area:	5.5	RNA Integrity Number (RIN):	9.6 (B.02.10)
RNA Concentration:	24 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 9.60

Fragment table for sample 5 : PP Input 60 min pup 3.2.20 1:10 dilution Duplicate 2

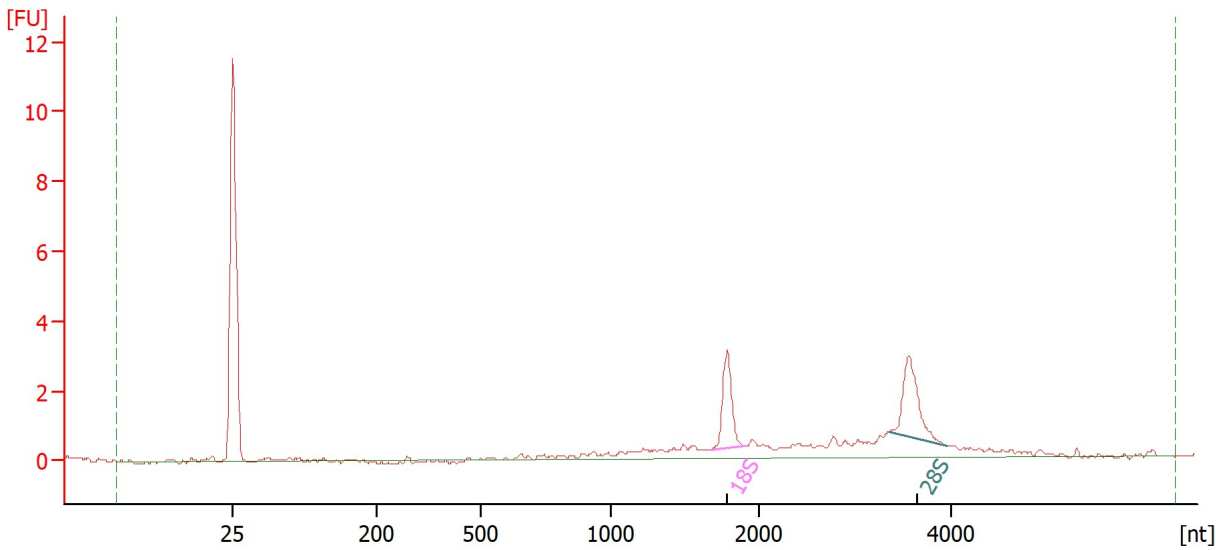
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,672	1,859	1.4	25.4
28S	3,356	3,998	1.7	30.1

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Electropherogram Summary Continued ...

PP Input 60 min pup 3.2.20 1:10 dilution 2ul Duplicate 1



Overall Results for sample 6 : PP Input 60 min pup 3.2.20 1:10 dilution 2ul Duplicate 1

RNA Area:	19.9	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	88 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.40

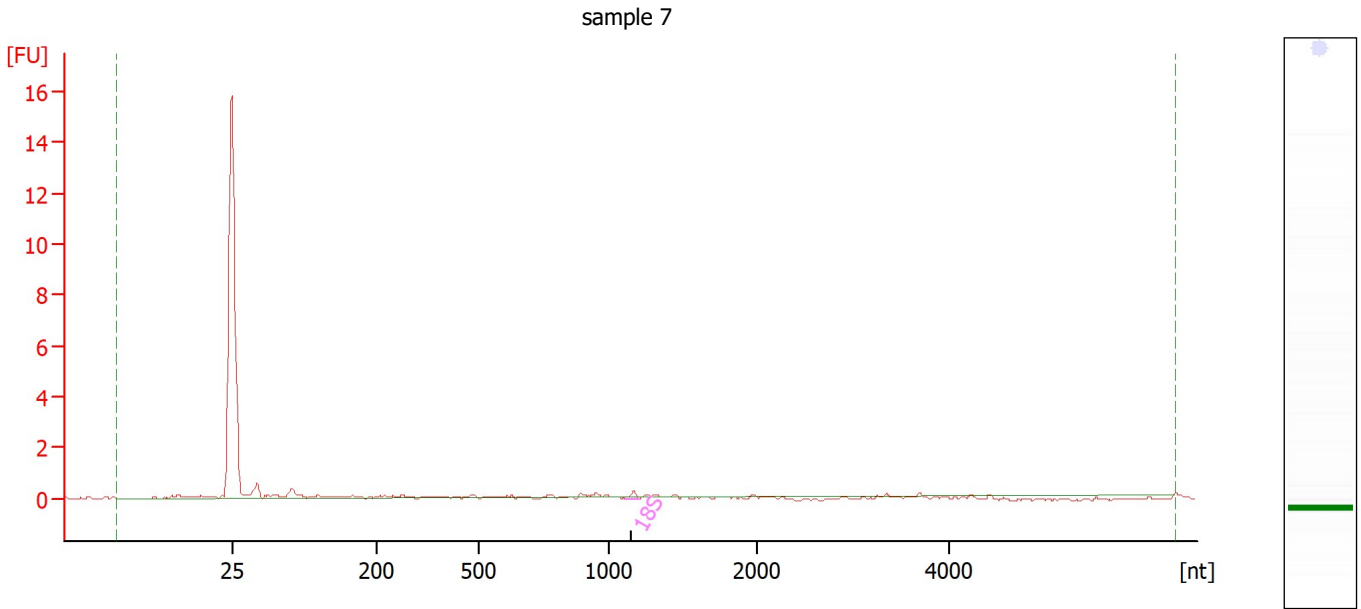
Fragment table for sample 6 : PP Input 60 min pup 3.2.20 1:10 dilution 2ul Duplicate 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,670	1,909	2.8	14.1
28S	3,361	3,950	3.4	17.1

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Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 7

RNA Area:	3.8	RNA Integrity Number (RIN):	3.5 (B.02.10)
RNA Concentration:	17 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.50

Fragment table for sample 7 : sample 7

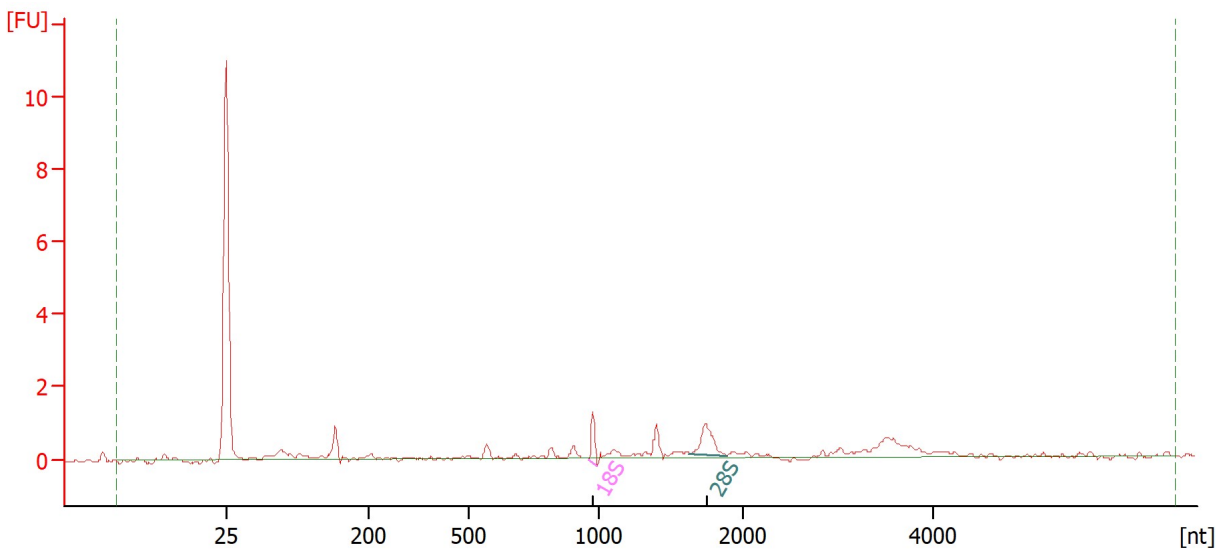
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,103	1,197	0.2	5.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-09_001.xad

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Electropherogram Summary Continued ...

PP Input 60 min pup 3.2.20 1:10 dilution 2ul Duplicate 2



Overall Results for sample 8 : PP Input 60 min pup 3.2.20 1:10 dilution 2ul Duplicate 2

RNA Area:	11.5	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	51 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN N/A

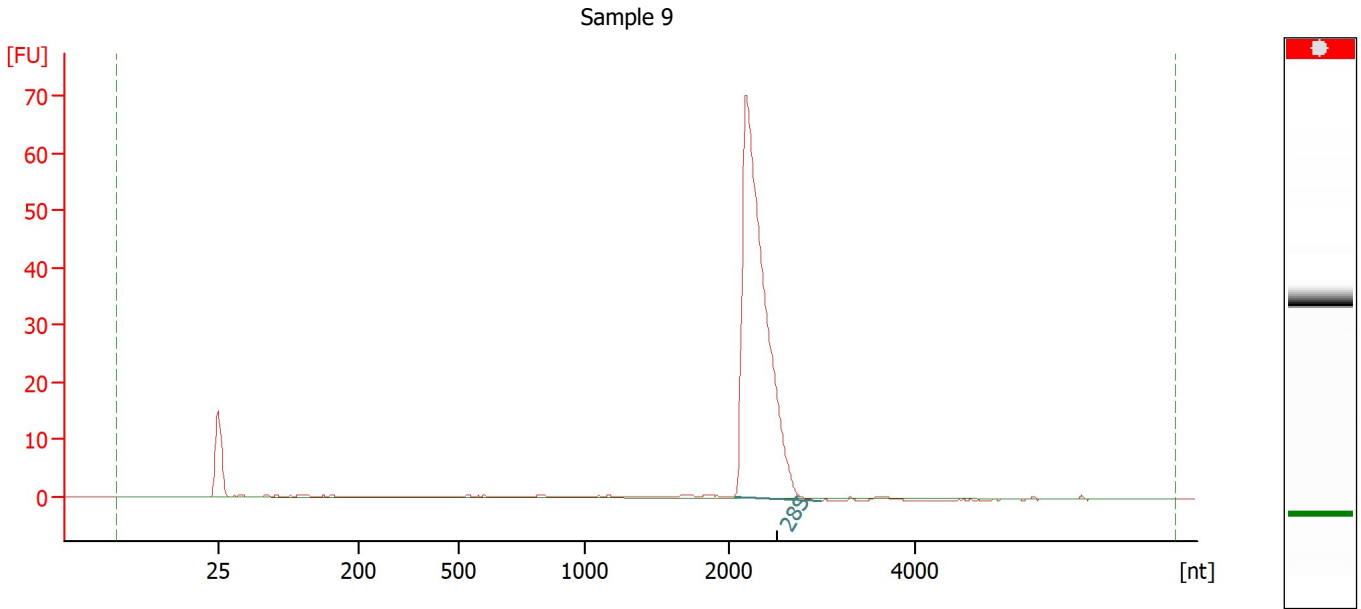
Fragment table for sample 8 : PP Input 60 min pup 3.2.20 1:10 dilution 2ul Duplicate 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	964	997	0.7	6.3
28S	1,628	1,885	1.1	9.8

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Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 9

RNA Area:	179.8	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	794 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 9 : Sample 9

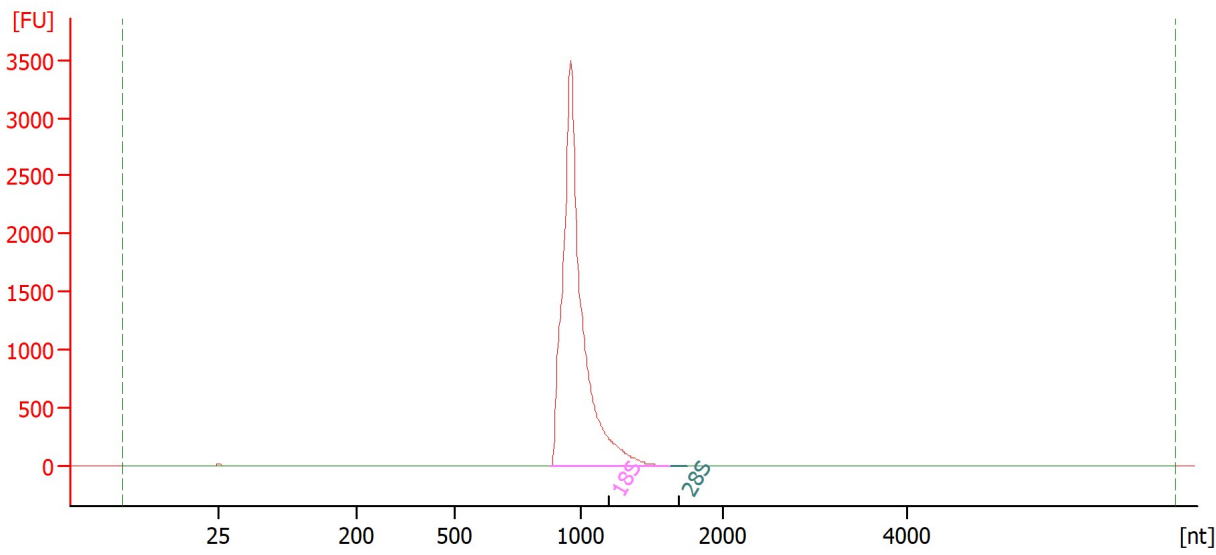
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,060	2,975	169.3	94.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-09_001.xad

Created: 3/9/2020 1:43:15 PM
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Electropherogram Summary Continued ...

PP Input 60 min pup 3.2.20 1:5 dilution Duplicate 2



Overall Results for sample 10 : PP Input 60 min pup 3.2.20 1:5 dilution Duplicate 2

RNA Area:	8,597.9	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	37,974 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 10 : PP Input 60 min pup 3.2.20 1:5 dilution Duplicate 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	878	1,610	8,593.5	99.9
28S	1,626	1,746	0.7	0.0

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Gel Image

Assay Class: Eukaryote Total RNA Pico
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Invalid Samples

Sample 11 has not been run, no results available.

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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: 11)		Instrument	Run		3/9/2020 4:04:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-03-09\Bioanalyze r1_Eukaryote Total RNA Pico_2020-03-09_001.xad)		Instrument	Run		3/9/2020 3:43:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		3/9/2020 3:43:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		3/9/2020 3:43:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		3/9/2020 3:43:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		3/9/2020 3:43:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		3/9/2020 3:43:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		3/9/2020 3:43:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB