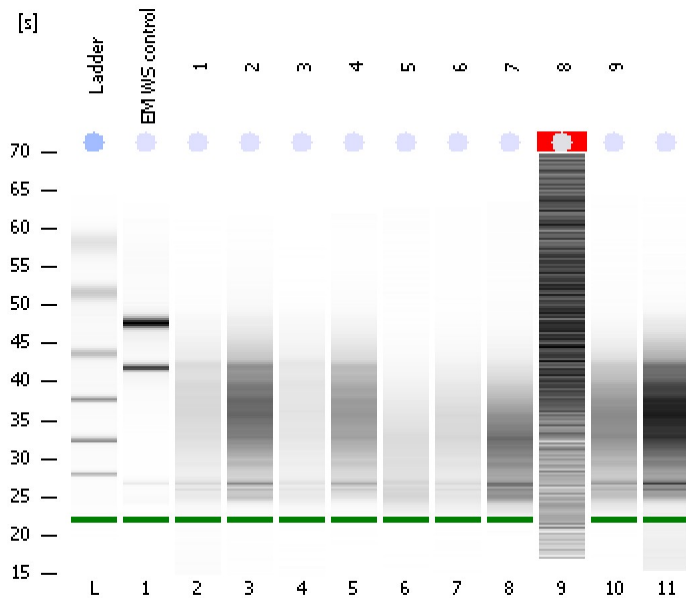


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-14\2012-12-14_003.xad

Created: 12/14/2012 2:12:23 PM
Modified: 12/14/2012 2:35:19 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

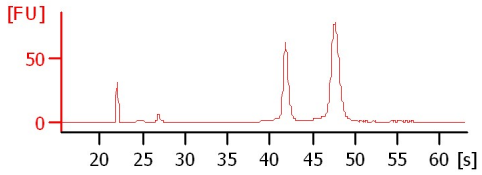
Assay Information:

Assay Origin Path: C:\Program Files\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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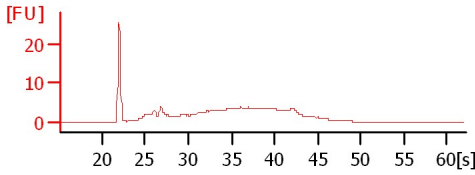
Chip Information:

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

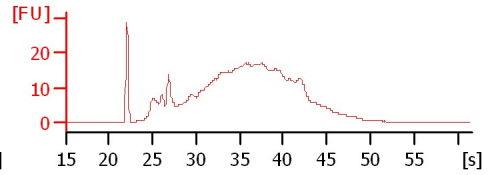
EM WS control
RIN: 10



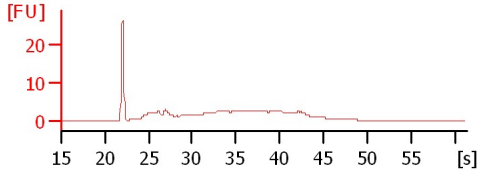
1
RIN: 1.50



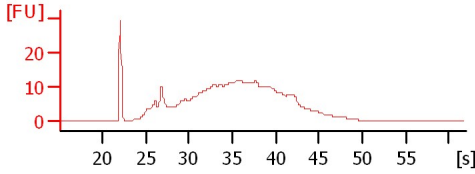
2
RIN: 2.60



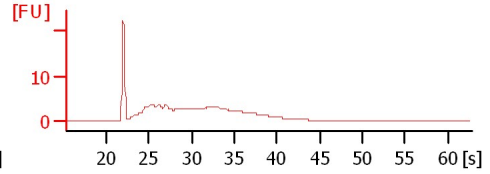
3
RIN: 1.50



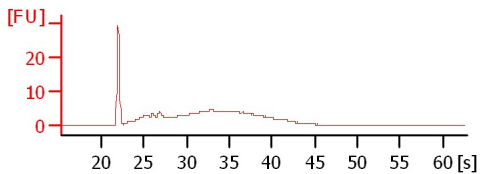
4
RIN: 2.60



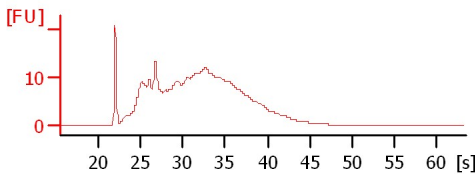
5
RIN: 1.70



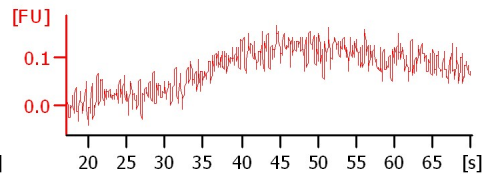
6
RIN: 1.70



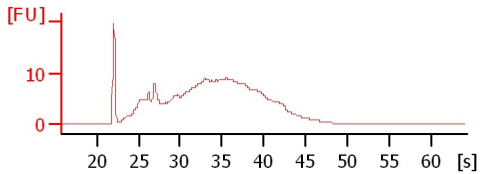
7
RIN: 2.20



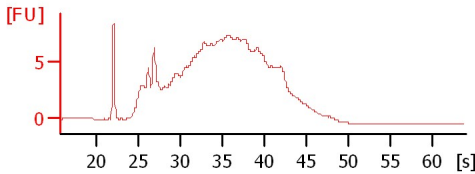
8
RIN N/A



9
RIN: 2.30



10
RIN: 2.10



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-14\2012-12-14_003.xad

Created: 12/14/2012 2:12:23 PM
Modified: 12/14/2012 2:35:19 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
EM WS control		✓	RIN:10	
1		✓	RIN: 1.50	
2		✓	RIN: 2.60	
3		✓	RIN: 1.50	
4		✓	RIN: 2.60	
5		✓	RIN: 1.70	
6		✓	RIN: 1.70	
7		✓	RIN: 2.20	
8		✓	RIN N/A	
9		✓	RIN: 2.30	
		✓	RIN: 2.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-14\2012-12-14_003.xad

Created: 12/14/2012 2:12:23 PM
Modified: 12/14/2012 2:35:19 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/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ μ l] : 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

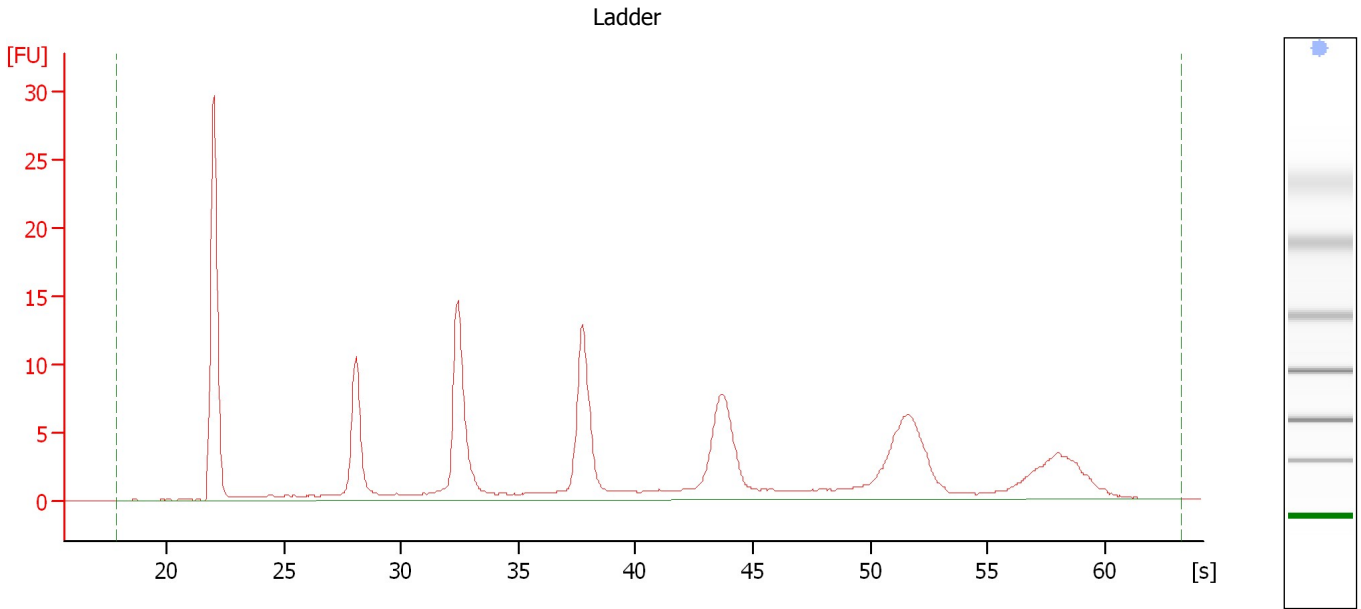
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-14\2012-12-14_003.xad

Created: 12/14/2012 2:12:23 PM
Modified: 12/14/2012 2:35:19 PM

Electropherogram Summary



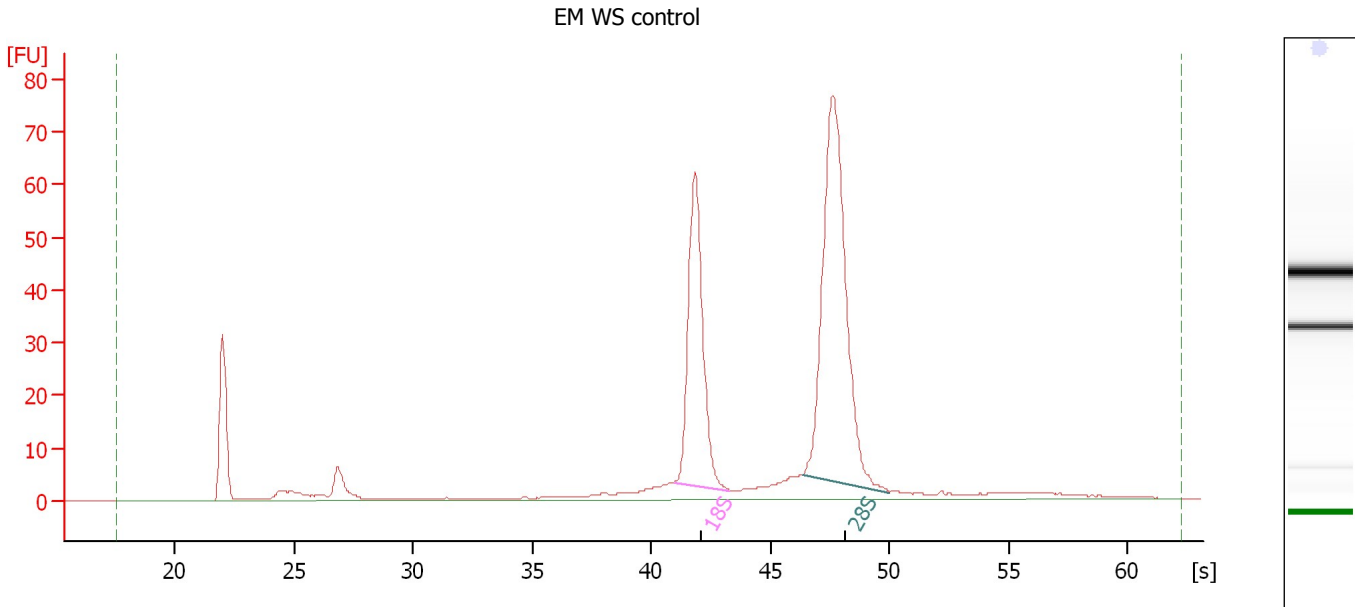
Overall Results for Ladder

RNA Area:	154.7	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-14\2012-12-14_003.xad

Created: 12/14/2012 2:12:23 PM
Modified: 12/14/2012 2:35:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : EM WS control

RNA Area: 392.9 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 2,539 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN:10

Fragment table for sample 1 : EM WS control

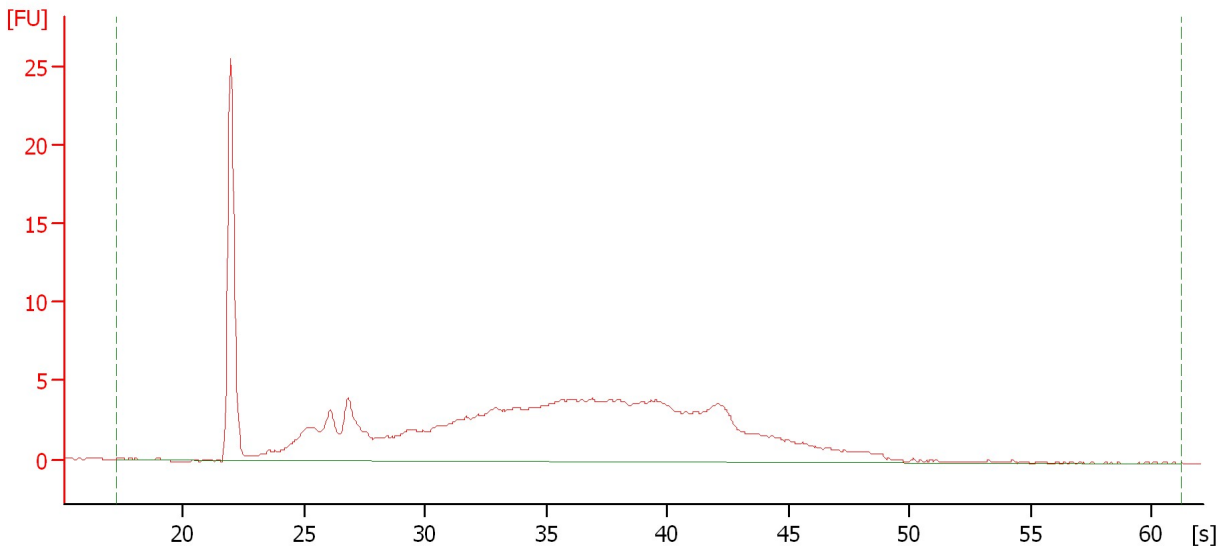
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,542	1,925	98.4	25.0
28S	2,664	3,590	169.6	43.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-14\2012-12-14_003.xad

Created: 12/14/2012 2:12:23 PM
Modified: 12/14/2012 2:35:19 PM

Electropherogram Summary Continued ...

1



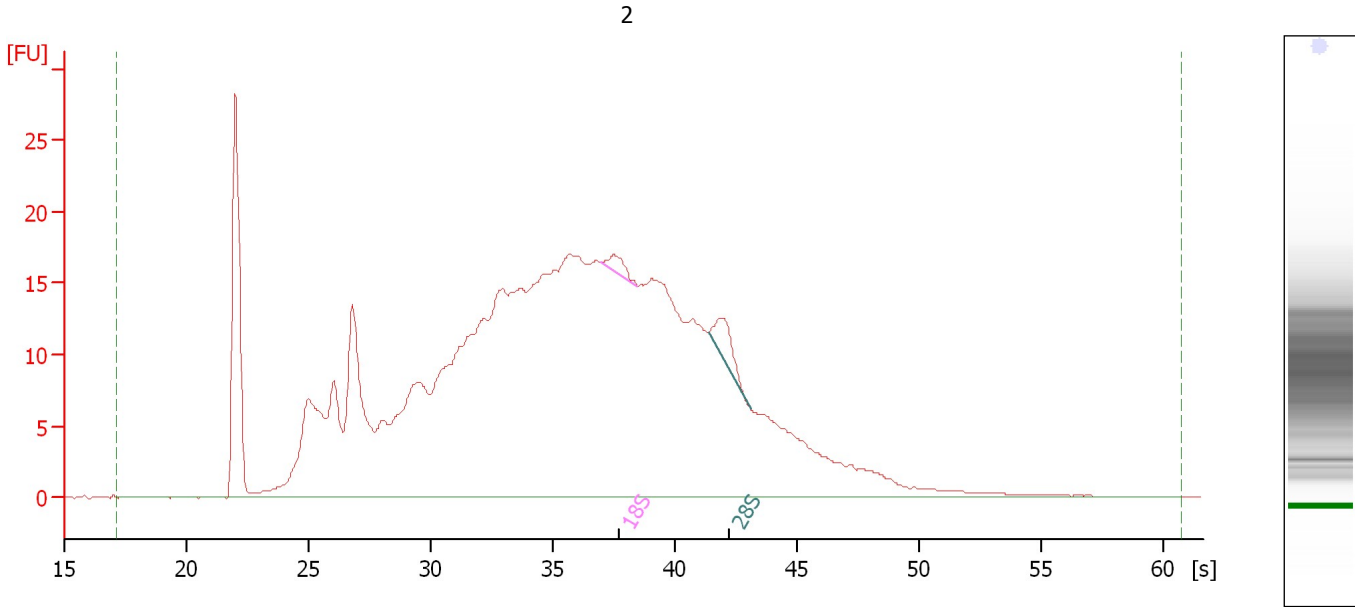
Overall Results for sample 2 : 1

RNA Area:	176.7	RNA Integrity Number (RIN):	1.5 (B.02.08)
RNA Concentration:	1,142 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.50

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-14\2012-12-14_003.xad

Created: 12/14/2012 2:12:23 PM
 Modified: 12/14/2012 2:35:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 2

RNA Area:	670.9	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	4,336 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.4	Result Flagging Label:	RIN: 2.60

Fragment table for sample 3 : 2

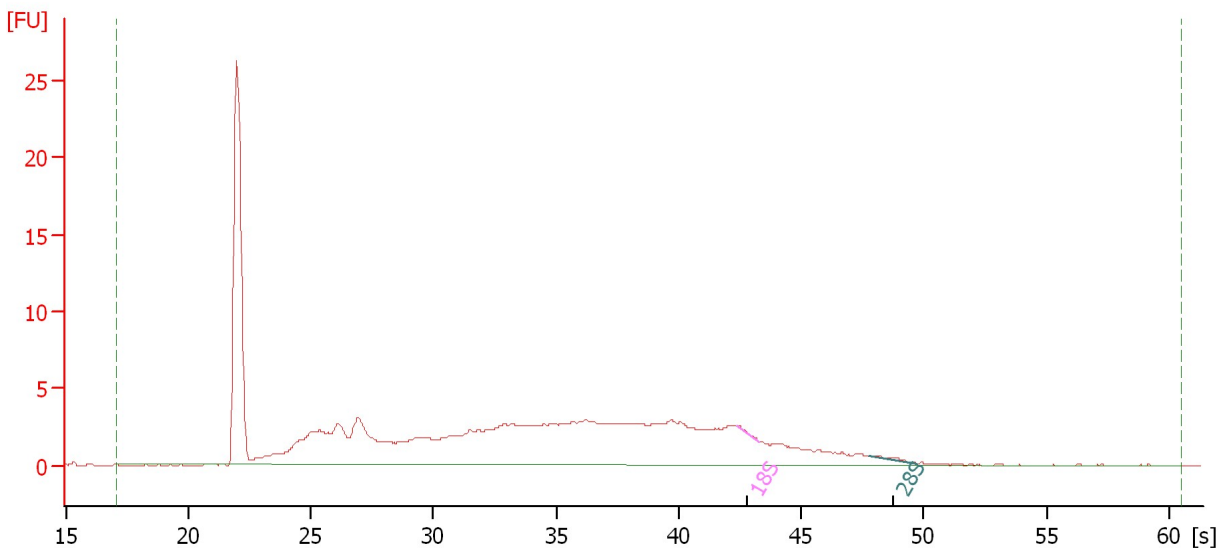
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	932	1,122	2.5	0.4
28S	1,606	1,891	6.0	0.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-14\2012-12-14_003.xad

Created: 12/14/2012 2:12:23 PM
Modified: 12/14/2012 2:35:19 PM

Electropherogram Summary Continued ...

3



Overall Results for sample 4 : 3

RNA Area: 146.8 RNA Integrity Number (RIN): 1.5 (B.02.08)
RNA Concentration: 949 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN: 1.50

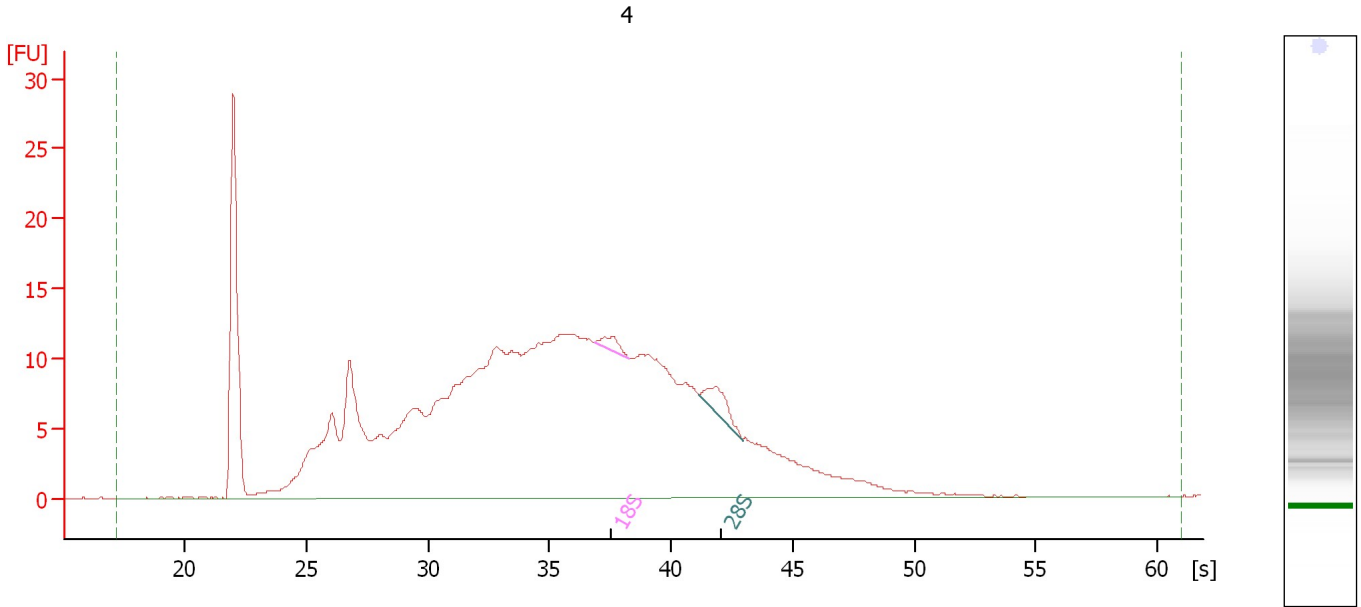
Fragment table for sample 4 : 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,768	1,921	0.2	0.1
28S	3,014	3,515	0.3	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-14\2012-12-14_003.xad

Created: 12/14/2012 2:12:23 PM
Modified: 12/14/2012 2:35:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 4

RNA Area:	471.7	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	3,048 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN: 2.60

Fragment table for sample 5 : 4

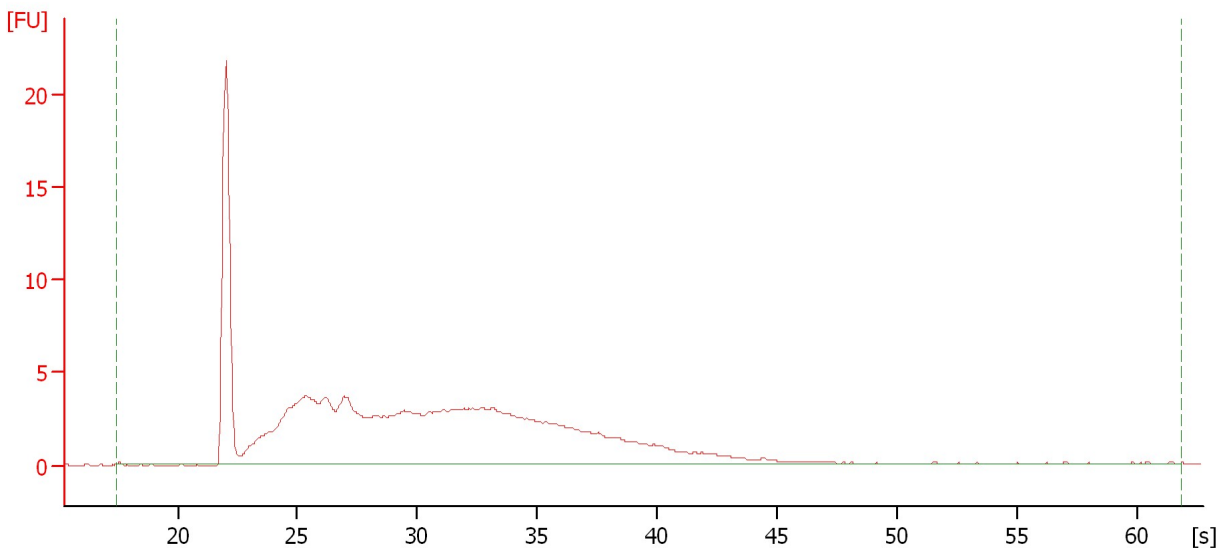
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	917	1,096	2.1	0.4
28S	1,567	1,869	4.5	0.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-14\2012-12-14_003.xad

Created: 12/14/2012 2:12:23 PM
Modified: 12/14/2012 2:35:19 PM

Electropherogram Summary Continued ...

5



Overall Results for sample 6 : 5

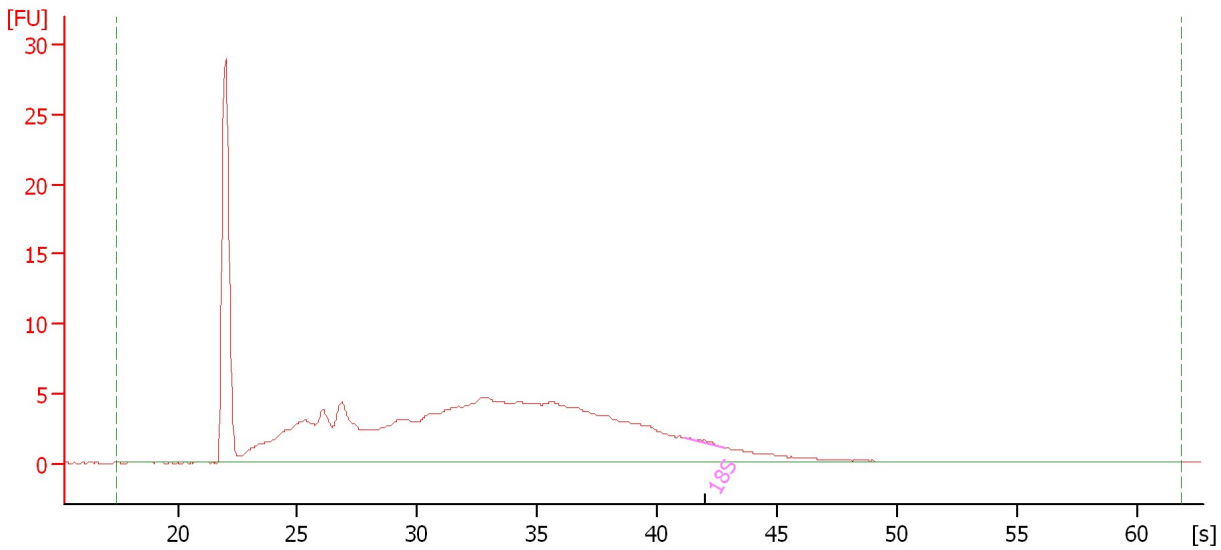
RNA Area:	144.7	RNA Integrity Number (RIN):	1.7 (B.02.08)
RNA Concentration:	935 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.70

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-14\2012-12-14_003.xad

Created: 12/14/2012 2:12:23 PM
Modified: 12/14/2012 2:35:19 PM

Electropherogram Summary Continued ...

6



Overall Results for sample 7 : 6

RNA Area:	195.4	RNA Integrity Number (RIN):	1.7 (B.02.08)
RNA Concentration:	1,263 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.70

Fragment table for sample 7 : 6

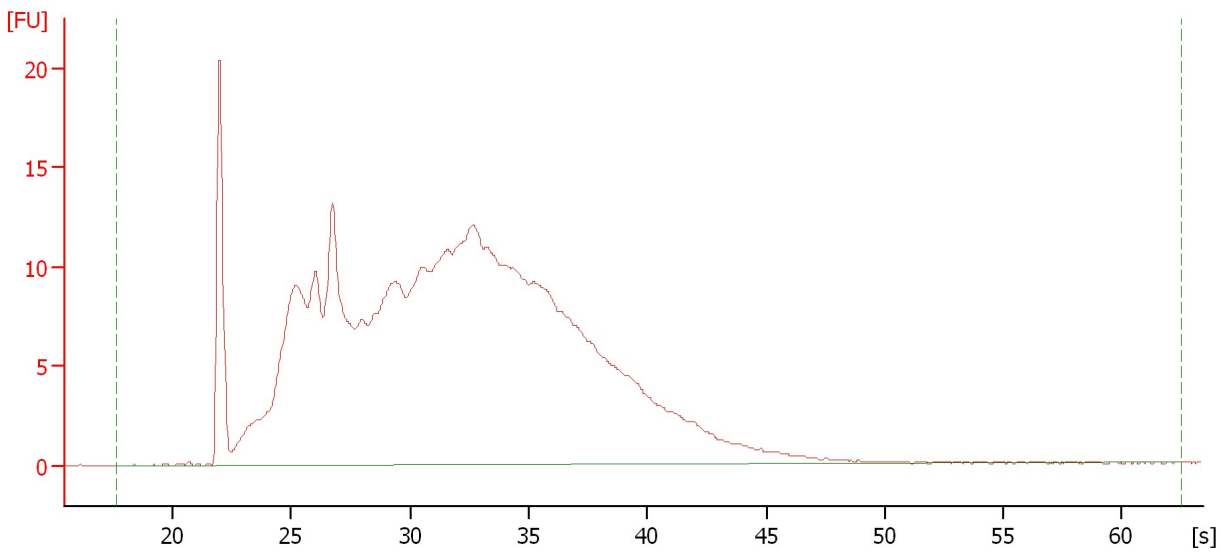
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,568	1,851	0.4	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-14\2012-12-14_003.xad

Created: 12/14/2012 2:12:23 PM
Modified: 12/14/2012 2:35:19 PM

Electropherogram Summary Continued ...

7



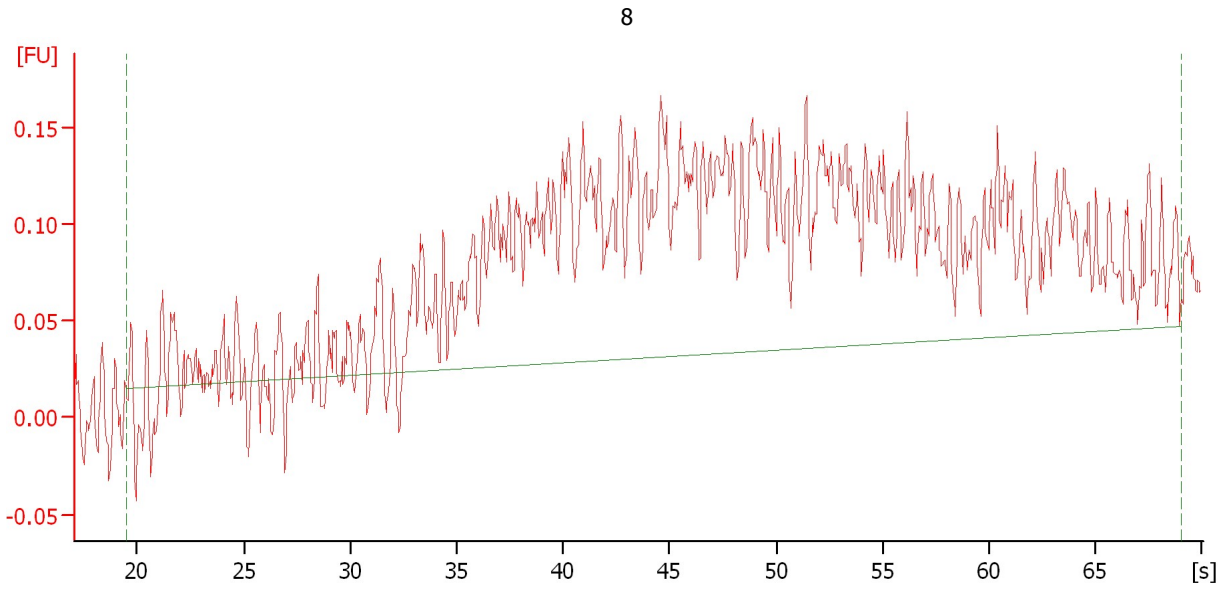
Overall Results for sample 8 : 7

RNA Area:	457.4	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	2,956 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-14\2012-12-14_003.xad

Created: 12/14/2012 2:12:23 PM
Modified: 12/14/2012 2:35:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 8

RNA Concentration: 36 pg/ μ l
rRNA Ratio [28s / 18s]: 0.0

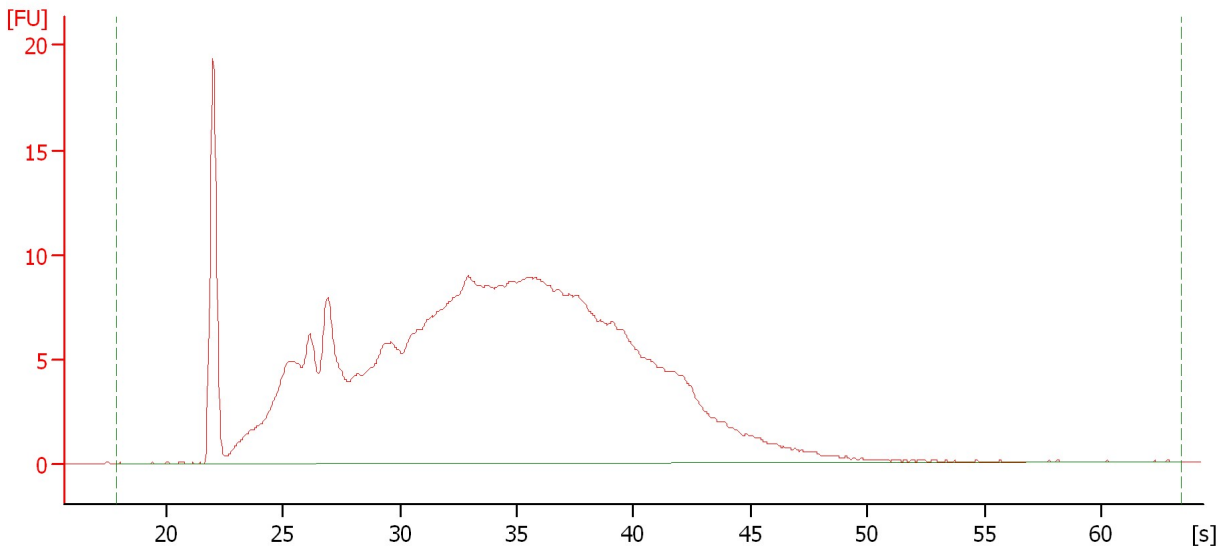
Result Flagging Color:
Result Flagging Label: RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-14\2012-12-14_003.xad

Created: 12/14/2012 2:12:23 PM
Modified: 12/14/2012 2:35:19 PM

Electropherogram Summary Continued ...

9



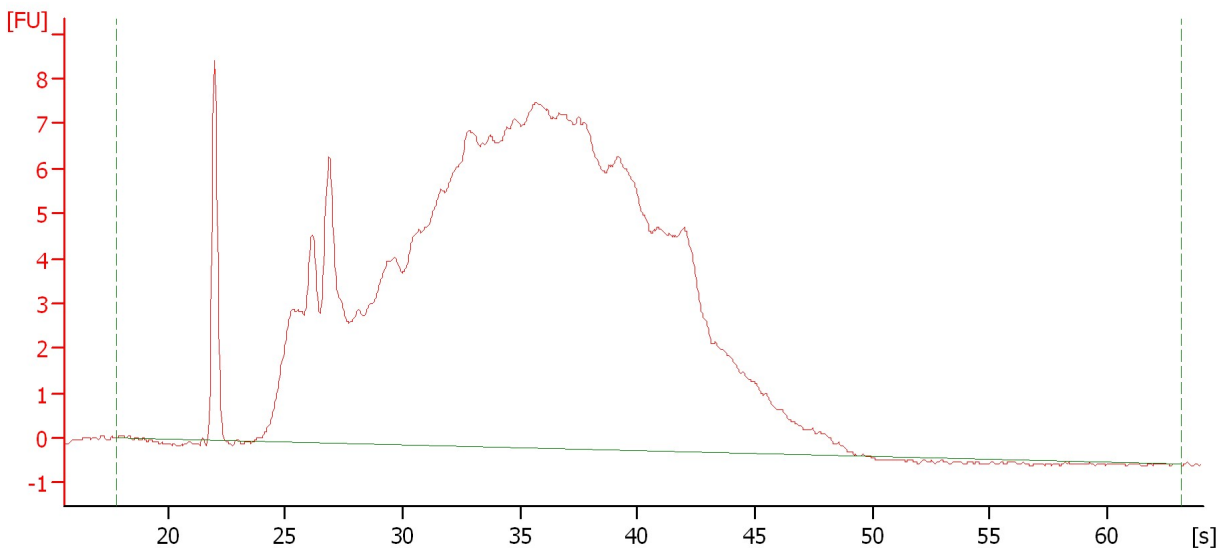
Overall Results for sample 10 : 9

RNA Area:	377.8	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	2,441 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-14\2012-12-14_003.xad

Created: 12/14/2012 2:12:23 PM
Modified: 12/14/2012 2:35:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 :

RNA Area:	303.3	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	1,960 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-14\2012-12-14_003.xad

Created: 12/14/2012 2:12:23 PM
Modified: 12/14/2012 2:35:19 PM

Gel Image

