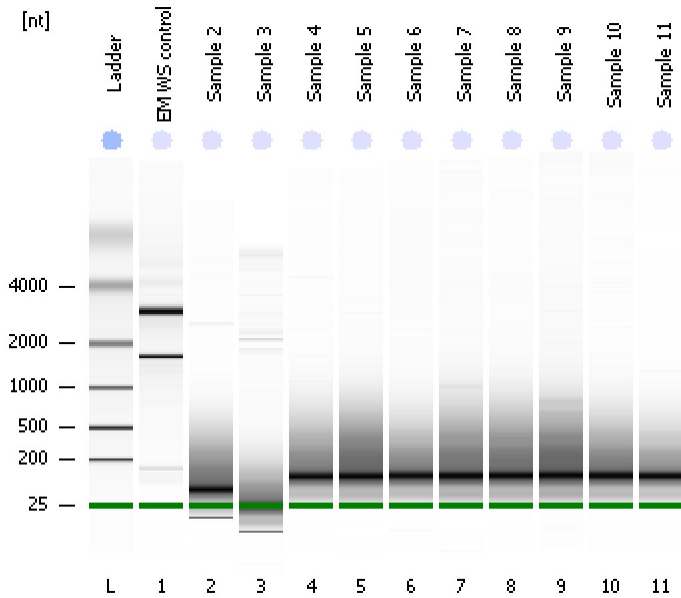


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-10\2012-08-10_006.xad

Created: 8/10/2012 4:03:42 PM
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Electrophoresis File Run Summary



Instrument Information:

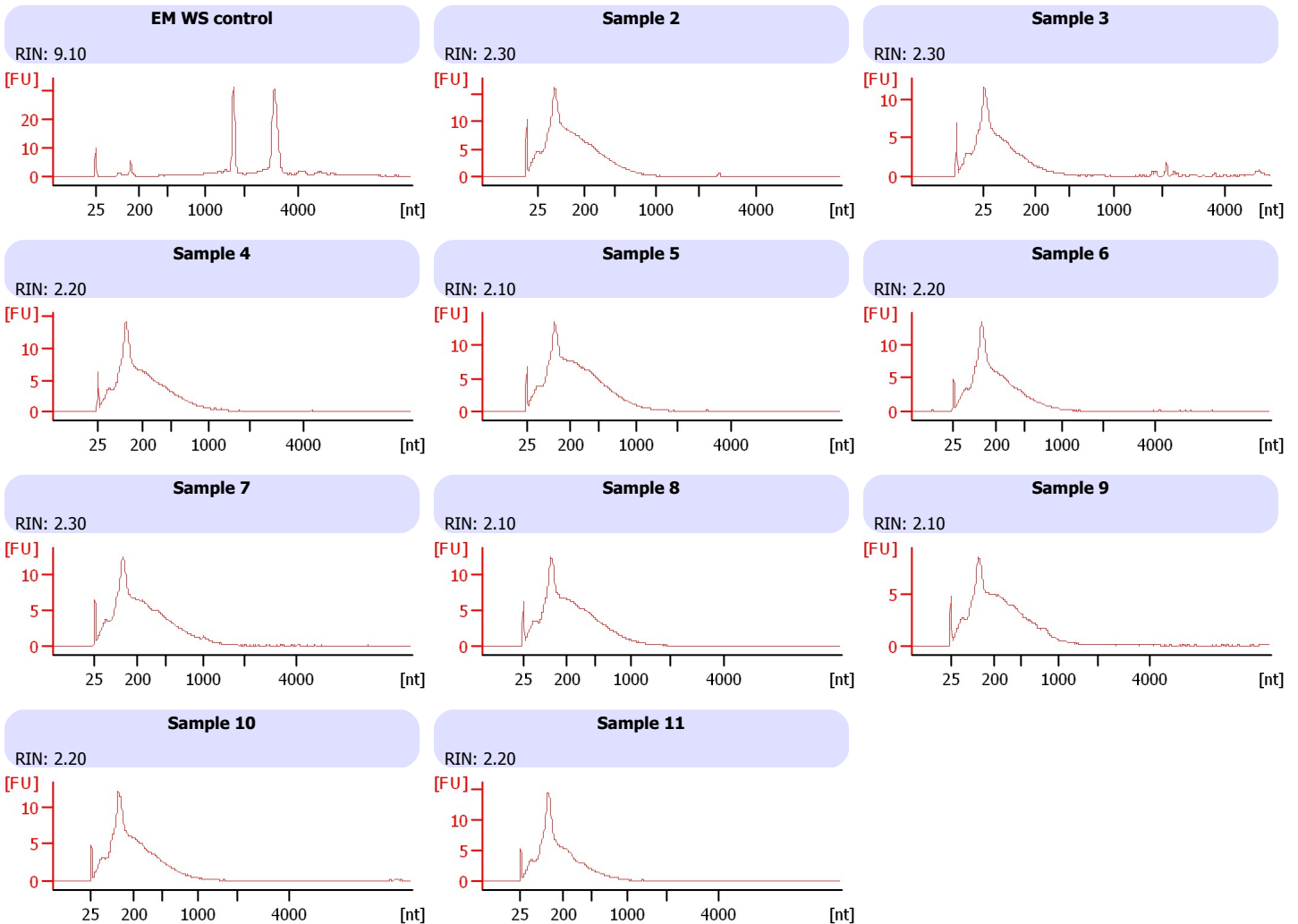
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-10\2012-08-10_006.xad

Created: 8/10/2012 4:03:42 PM
 Modified: 8/10/2012 4:26:37 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
EM WS control		✓	RIN: 9.10	
Sample 2		✓	RIN: 2.30	
Sample 3		✓	RIN: 2.30	
Sample 4		✓	RIN: 2.20	
Sample 5		✓	RIN: 2.10	
Sample 6		✓	RIN: 2.20	
Sample 7		✓	RIN: 2.30	
Sample 8		✓	RIN: 2.10	
Sample 9		✓	RIN: 2.10	
Sample 10		✓	RIN: 2.20	
Sample 11		✓	RIN: 2.20	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-10\2012-08-10_006.xad

Created: 8/10/2012 4:03:42 PM
Modified: 8/10/2012 4:26:37 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

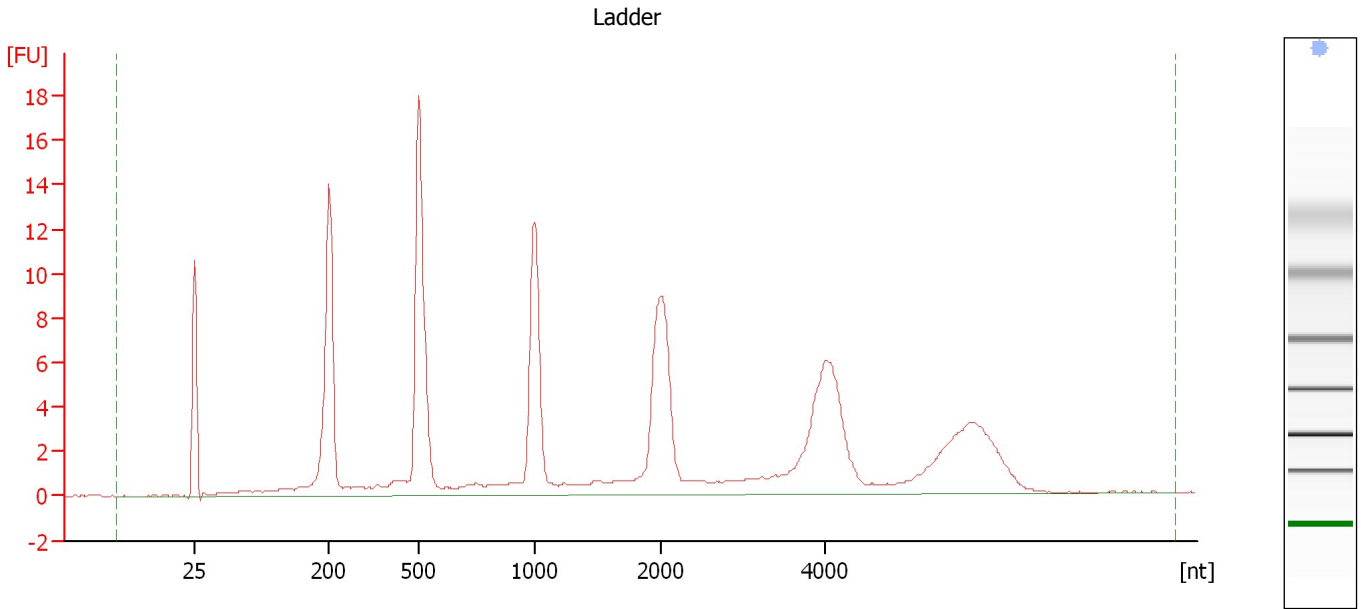
Ladder

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\2012-08-10\2012-08-10_006.xad

Created: 8/10/2012 4:03:42 PM
Modified: 8/10/2012 4:26:37 PM

Electropherogram Summary



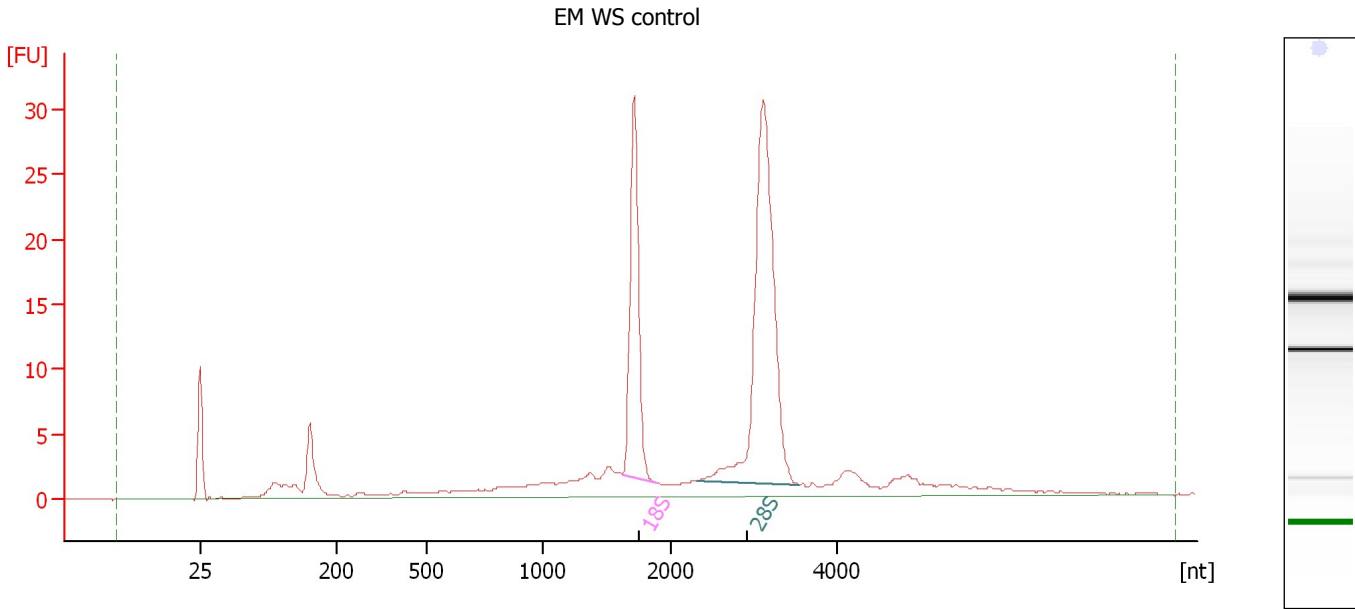
Overall Results for Ladder

RNA Area:	143.3	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\2012-08-10\2012-08-10_006.xad

Created: 8/10/2012 4:03:42 PM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : EM WS control

RNA Area: 176.8 RNA Integrity Number (RIN): 9.1 (B.02.08)
RNA Concentration: 1,234 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 9.10

Fragment table for sample 1 : EM WS control

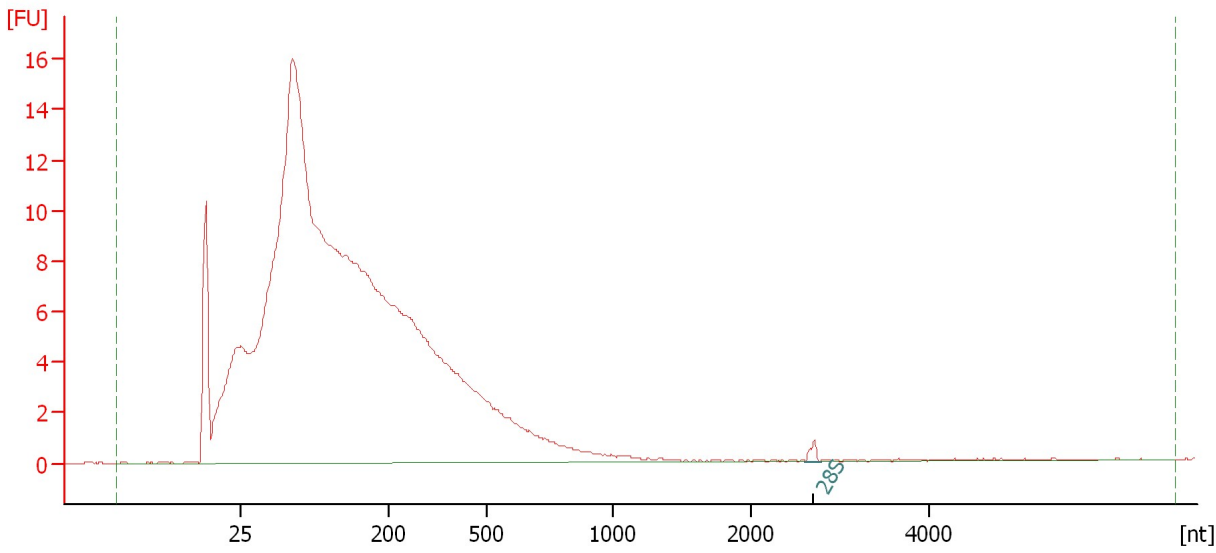
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,616	1,885	31.2	17.6
28S	2,299	3,545	60.9	34.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-10\2012-08-10_006.xad

Created: 8/10/2012 4:03:42 PM
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Electropherogram Summary Continued ...

Sample 2



Overall Results for sample 2 : Sample 2

RNA Area:	287.8	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	2,008 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Fragment table for sample 2 : Sample 2

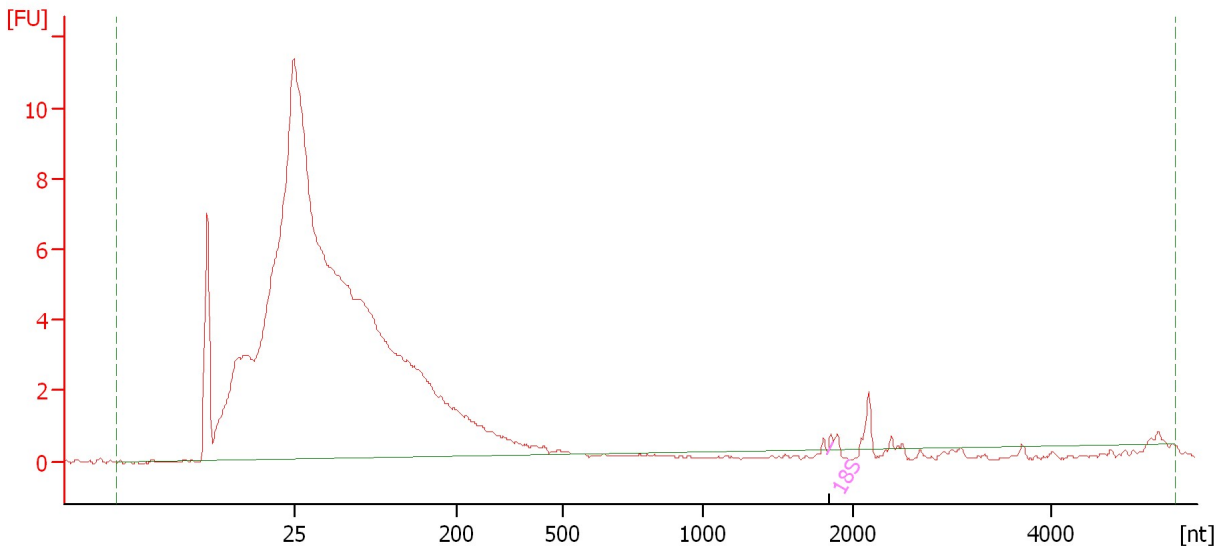
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,612	2,778	0.6	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-10\2012-08-10_006.xad

Created: 8/10/2012 4:03:42 PM
Modified: 8/10/2012 4:26:37 PM

Electropherogram Summary Continued ...

Sample 3



Overall Results for sample 3 : Sample 3

RNA Area:	87.1	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	608 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Fragment table for sample 3 : Sample 3

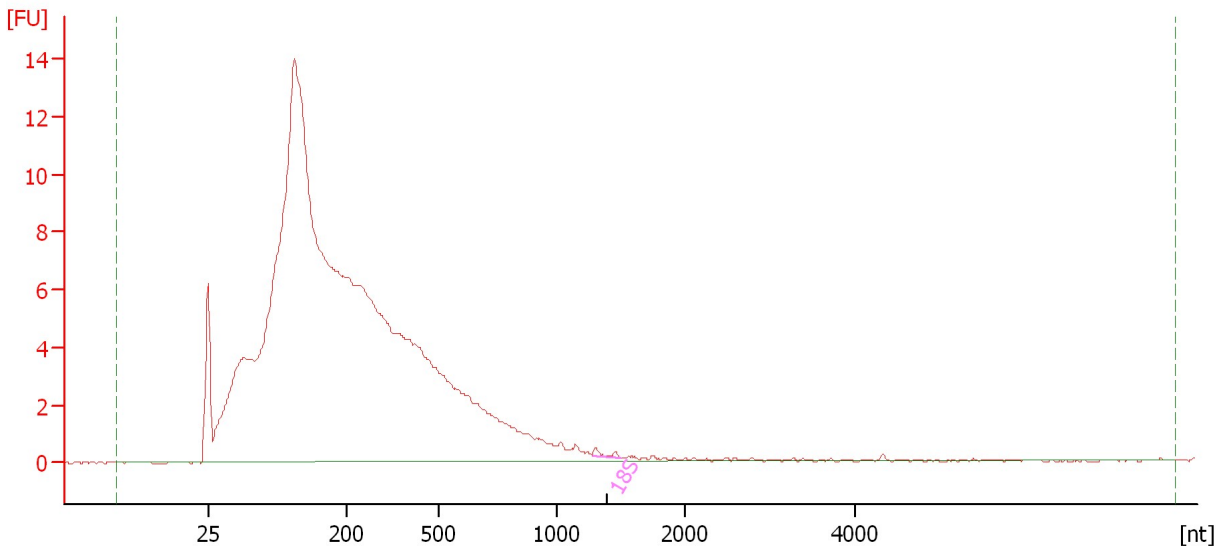
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,826	1,868	0.1	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-10\2012-08-10_006.xad

Created: 8/10/2012 4:03:42 PM
Modified: 8/10/2012 4:26:37 PM

Electropherogram Summary Continued ...

Sample 4



Overall Results for sample 4 : Sample 4

RNA Area:	231.3	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	1,614 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Fragment table for sample 4 : Sample 4

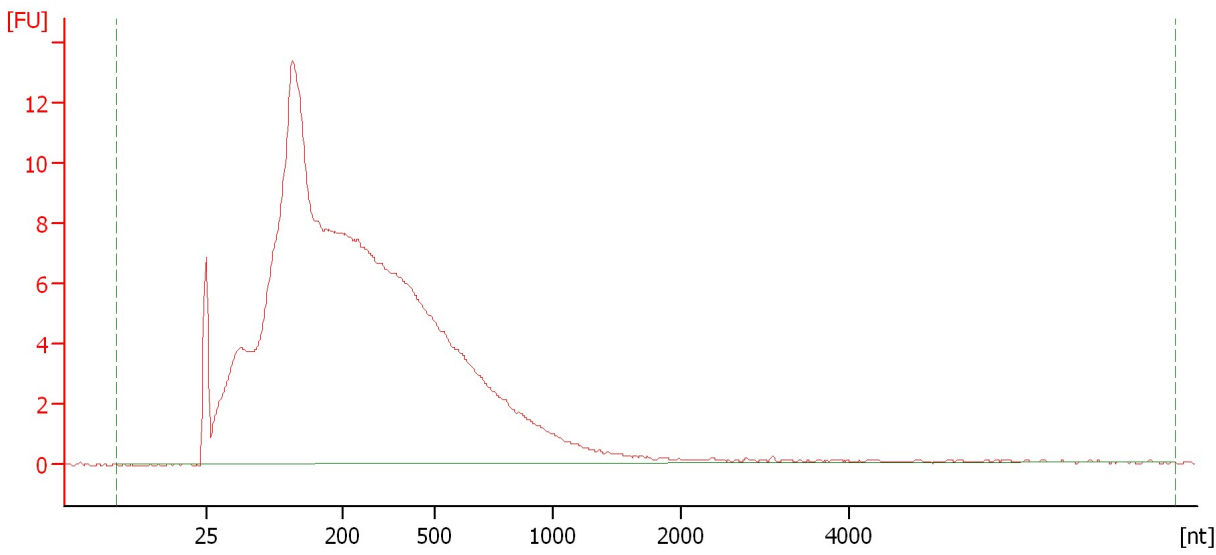
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,278	1,493	0.3	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-10\2012-08-10_006.xad

Created: 8/10/2012 4:03:42 PM
Modified: 8/10/2012 4:26:37 PM

Electropherogram Summary Continued ...

Sample 5



Overall Results for sample 5 : Sample 5

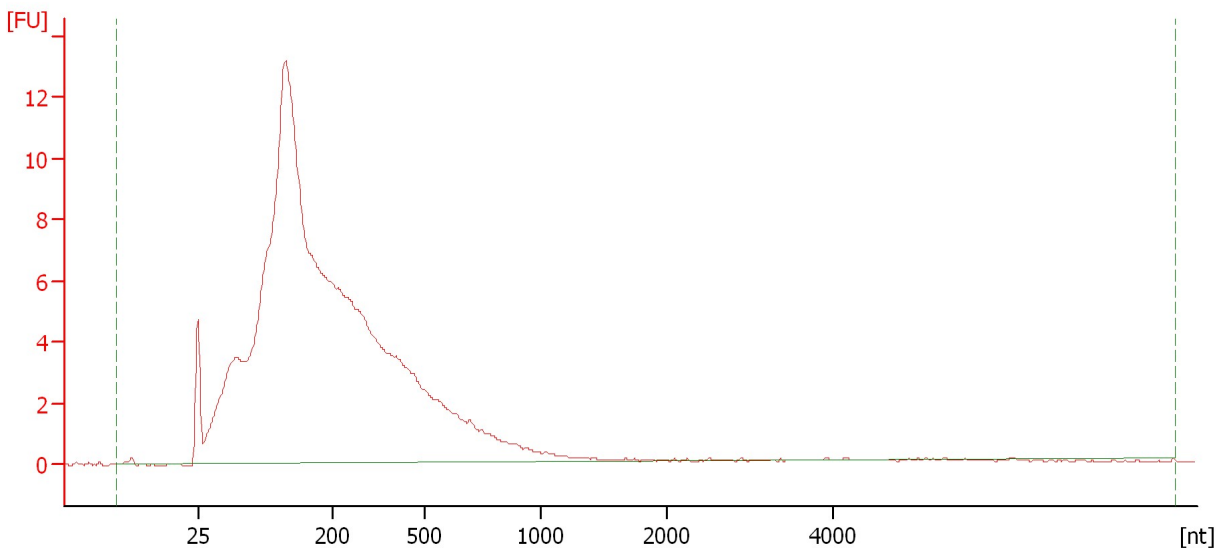
RNA Area:	276.1	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	1,926 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-10\2012-08-10_006.xad

Created: 8/10/2012 4:03:42 PM
Modified: 8/10/2012 4:26:37 PM

Electropherogram Summary Continued ...

Sample 6



Overall Results for sample 6 : Sample 6

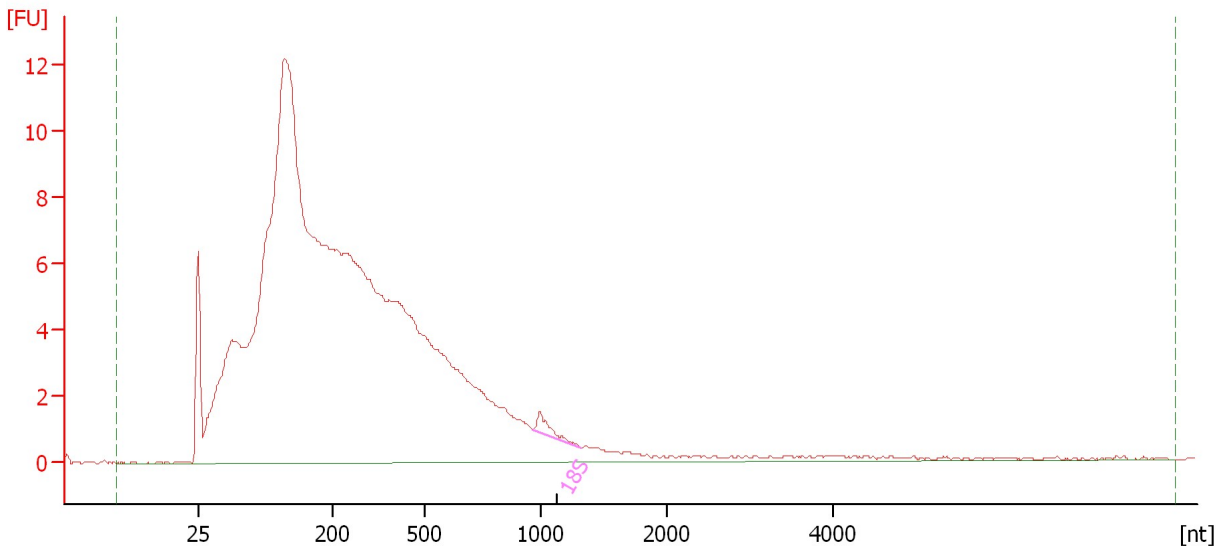
RNA Area:	206.6	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	1,442 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-10\2012-08-10_006.xad

Created: 8/10/2012 4:03:42 PM
Modified: 8/10/2012 4:26:37 PM

Electropherogram Summary Continued ...

Sample 7



Overall Results for sample 7 : Sample 7

RNA Area:	247.1	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	1,724 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Fragment table for sample 7 : Sample 7

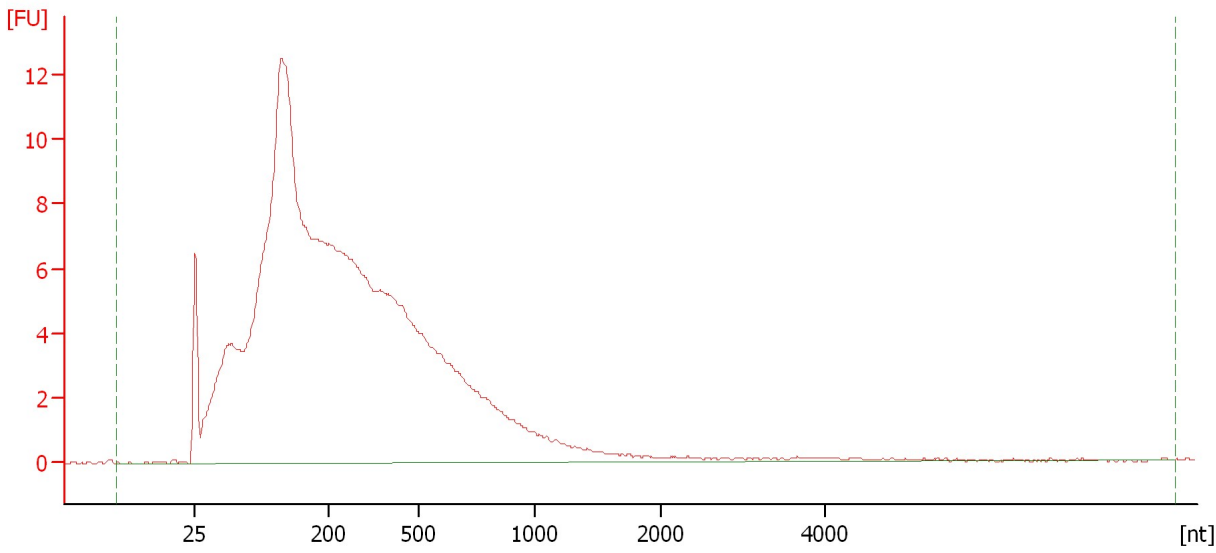
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	967	1,327	1.0	0.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-10\2012-08-10_006.xad

Created: 8/10/2012 4:03:42 PM
Modified: 8/10/2012 4:26:37 PM

Electropherogram Summary Continued ...

Sample 8



Overall Results for sample 8 : Sample 8

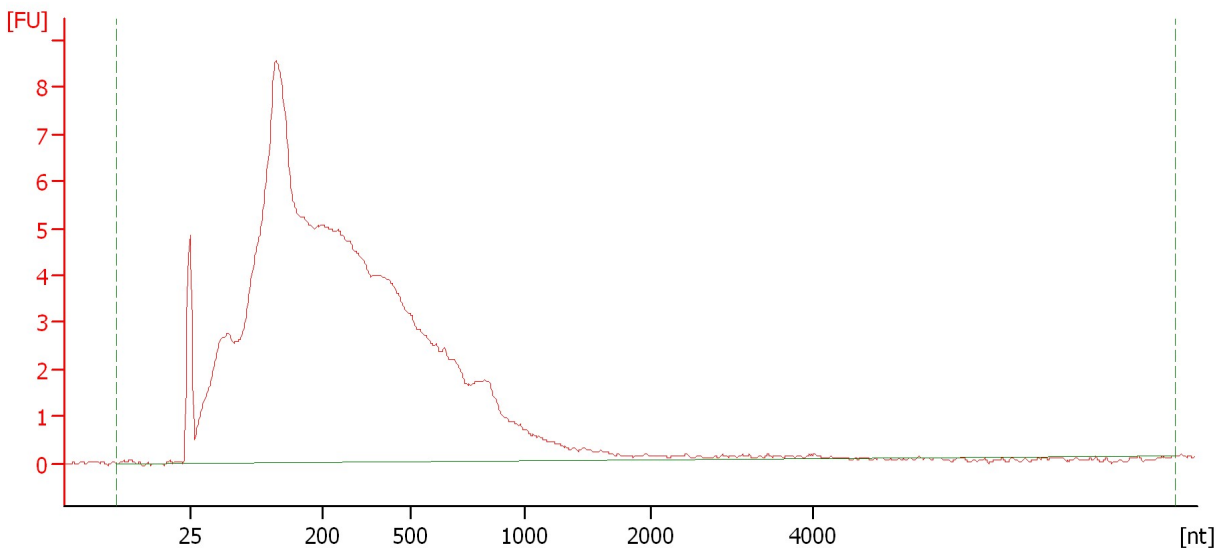
RNA Area:	249.6	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	1,742 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-10\2012-08-10_006.xad

Created: 8/10/2012 4:03:42 PM
Modified: 8/10/2012 4:26:37 PM

Electropherogram Summary Continued ...

Sample 9



Overall Results for sample 9 : Sample 9

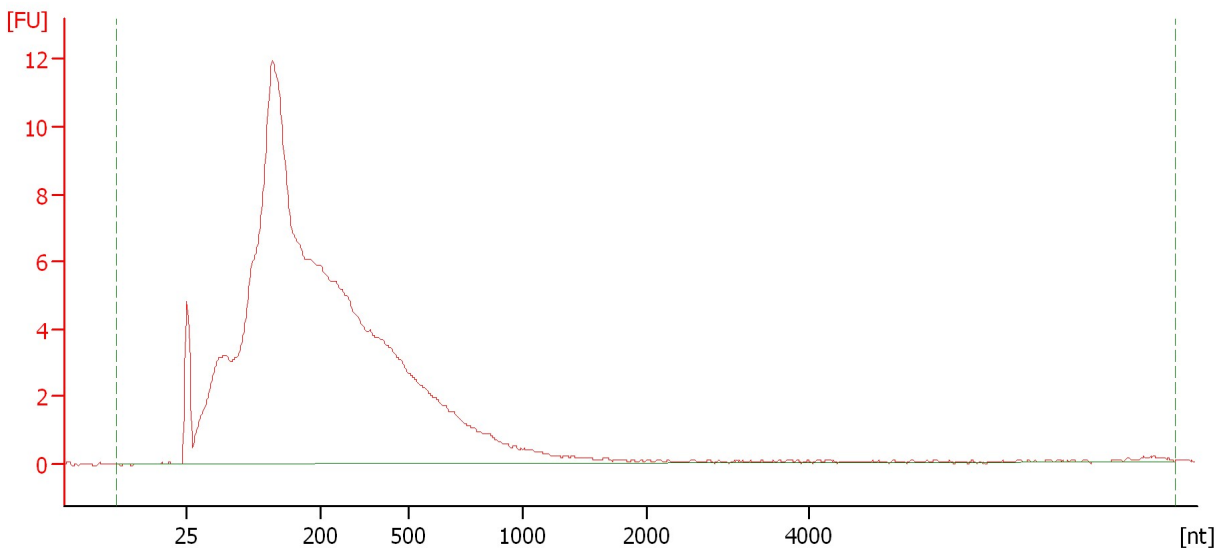
RNA Area:	184.3	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	1,286 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-10\2012-08-10_006.xad

Created: 8/10/2012 4:03:42 PM
Modified: 8/10/2012 4:26:37 PM

Electropherogram Summary Continued ...

Sample 10



Overall Results for sample 10 : Sample 10

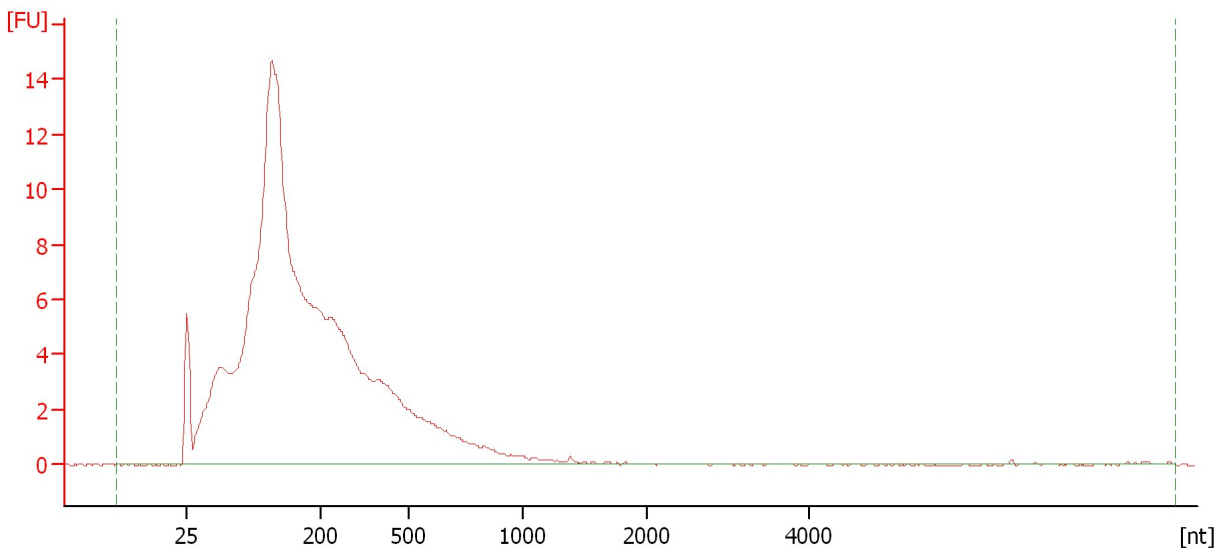
RNA Area:	204.9	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	1,429 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-10\2012-08-10_006.xad

Created: 8/10/2012 4:03:42 PM
Modified: 8/10/2012 4:26:37 PM

Electropherogram Summary Continued ...

Sample 11



Overall Results for sample 11 : Sample 11

RNA Area:	202.2	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	1,411 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\2012-08-10\2012-08-10_006.xad

Created: 8/10/2012 4:03:42 PM
Modified: 8/10/2012 4:26:37 PM

Gel Image

