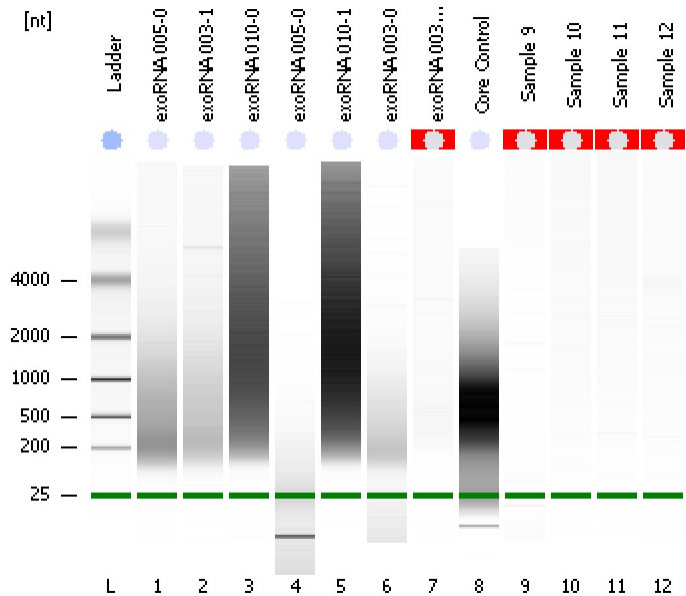


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad

Created: 3/8/2012 3:26:01 PM
Modified: 3/8/2012 3:53:12 PM

Electrophoresis File Run Summary



Instrument Information:

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

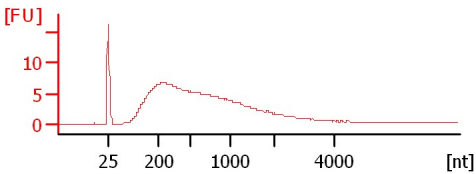
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

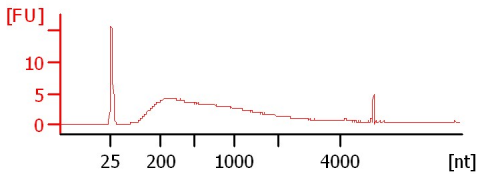
Chip Information:

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

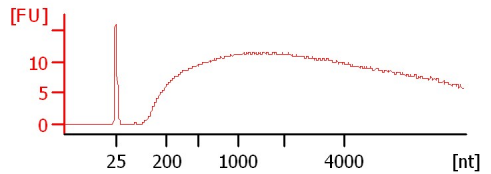
exoRNA 005-0
RIN: 2.40



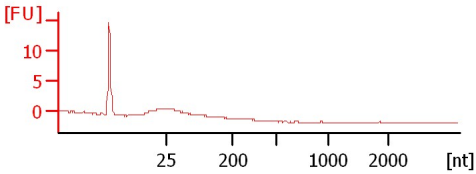
exoRNA 003-1
RIN: 2.20



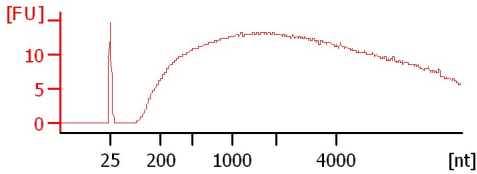
exoRNA 010-0
RIN: 2.40



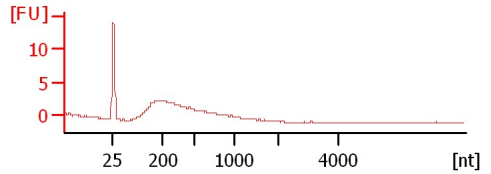
exoRNA 005-0
RIN: 2.90



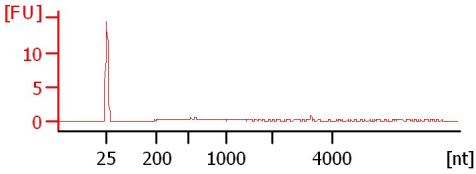
exoRNA 010-1
RIN: 2.30



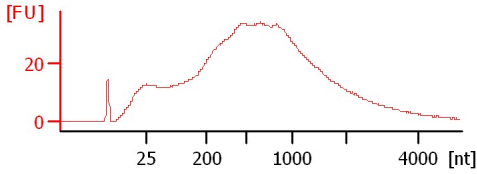
exoRNA 003-0
RIN: 1.90



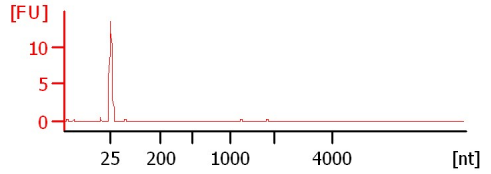
exoRNA 003-1 (2)
RIN N/A



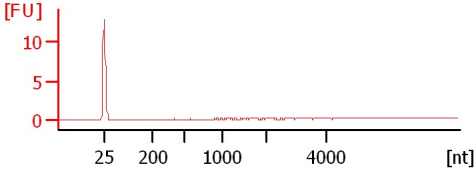
Core Control
RIN: 2.80



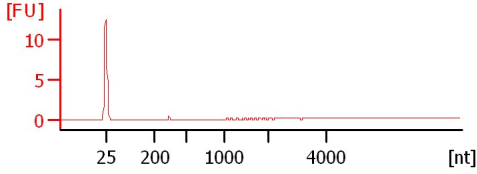
Sample 9
RIN N/A



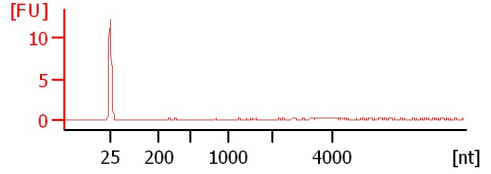
Sample 10
RIN N/A



Sample 11
RIN N/A



Sample 12
RIN N/A



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad

Created: 3/8/2012 3:26:01 PM
Modified: 3/8/2012 3:53:12 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
exoRNA 005-0		✓	RIN: 2.40	
exoRNA 003-1		✓	RIN: 2.20	
exoRNA 010-0		✓	RIN: 2.40	
exoRNA 005-0		✓	RIN: 2.90	
exoRNA 010-1		✓	RIN: 2.30	
exoRNA 003-0		✓	RIN: 1.90	
exoRNA 003-1 (2)		✓	RIN N/A	
Core Control		✓	RIN: 2.80	
Sample 9		✓	RIN N/A	
Sample 10		✓	RIN N/A	
Sample 11		✓	RIN N/A	
Sample 12		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad

Created: 3/8/2012 3:26:01 PM
Modified: 3/8/2012 3:53:12 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/ μ l] : 150

Lower Marker Concentration [ng/ μ l] : 0

Upper Marker Concentration [ng/ 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] : 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

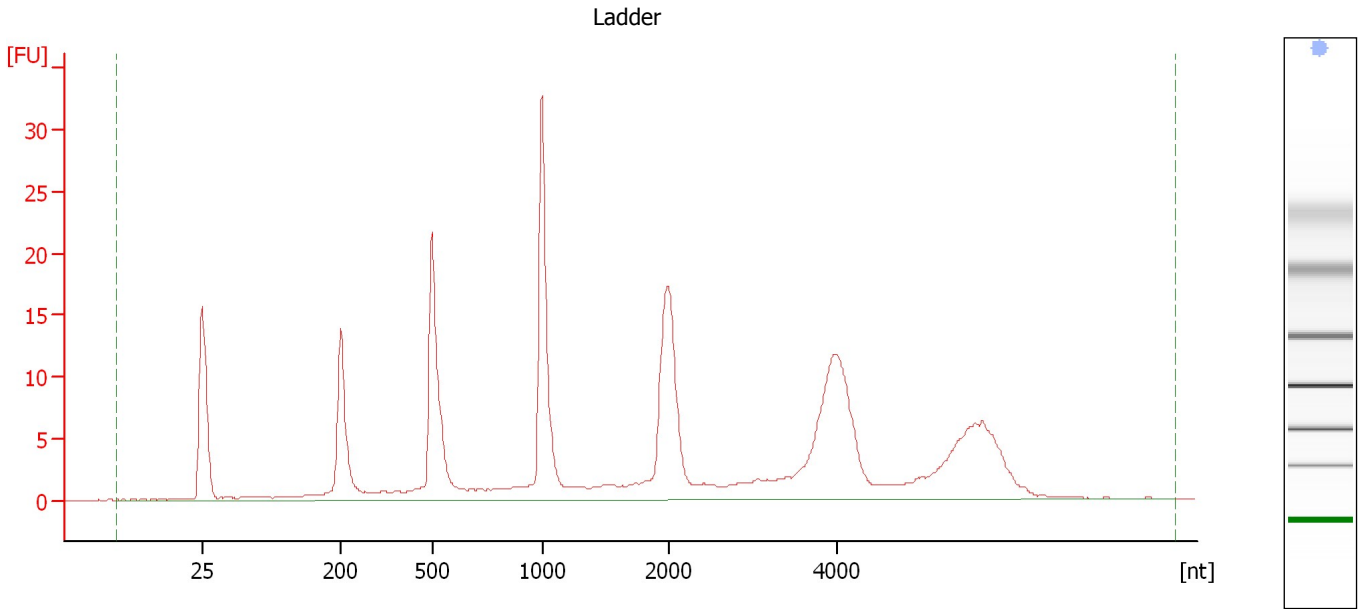
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad

Created: 3/8/2012 3:26:01 PM
Modified: 3/8/2012 3:53:12 PM

Electropherogram Summary



Overall Results for Ladder

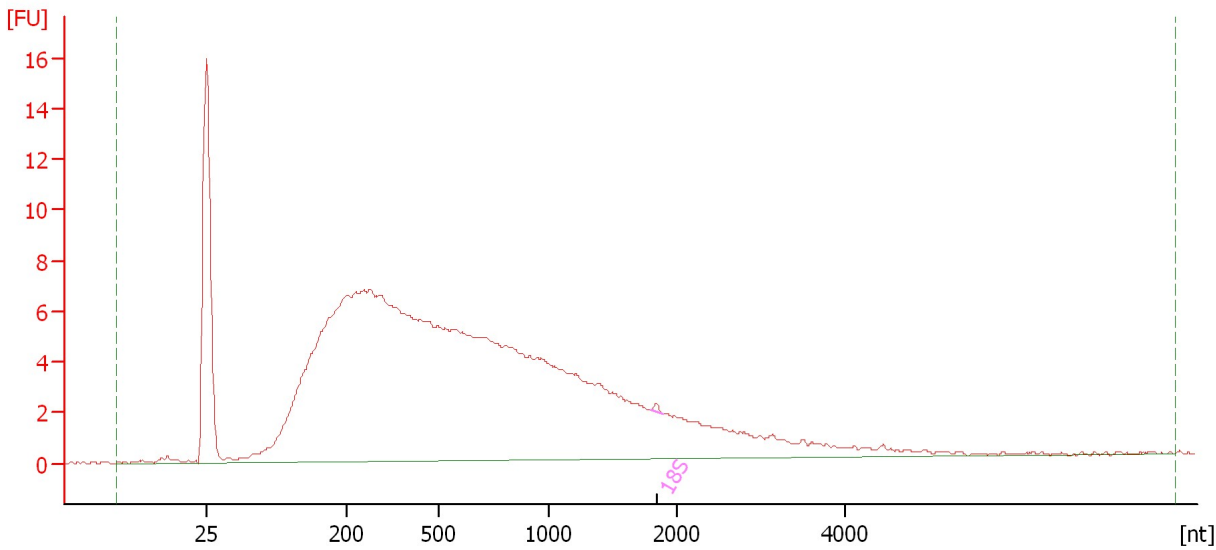
RNA Area:	243.7	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad

Created: 3/8/2012 3:26:01 PM
Modified: 3/8/2012 3:53:12 PM

Electropherogram Summary Continued ...

exoRNA 005-0



Overall Results for sample 1 : exoRNA 005-0

RNA Area:	249.7	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	154 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

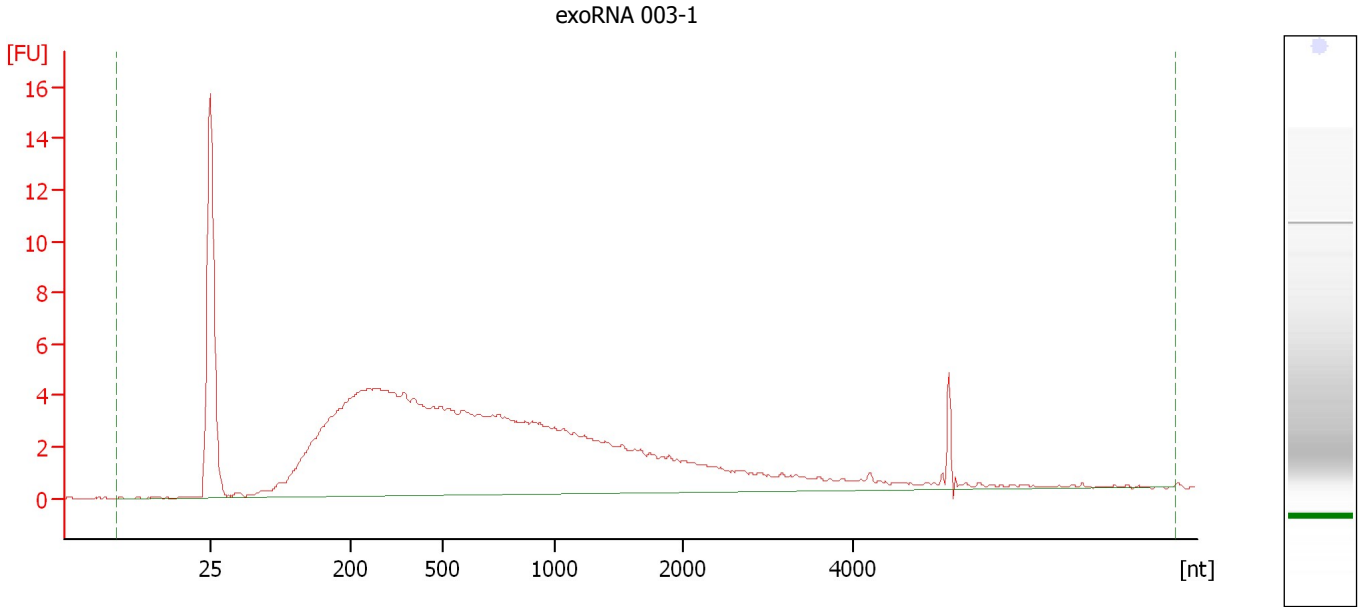
Fragment table for sample 1 : exoRNA 005-0

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,800	1,893	0.2	0.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad

Created: 3/8/2012 3:26:01 PM
Modified: 3/8/2012 3:53:12 PM

Electropherogram Summary Continued ...



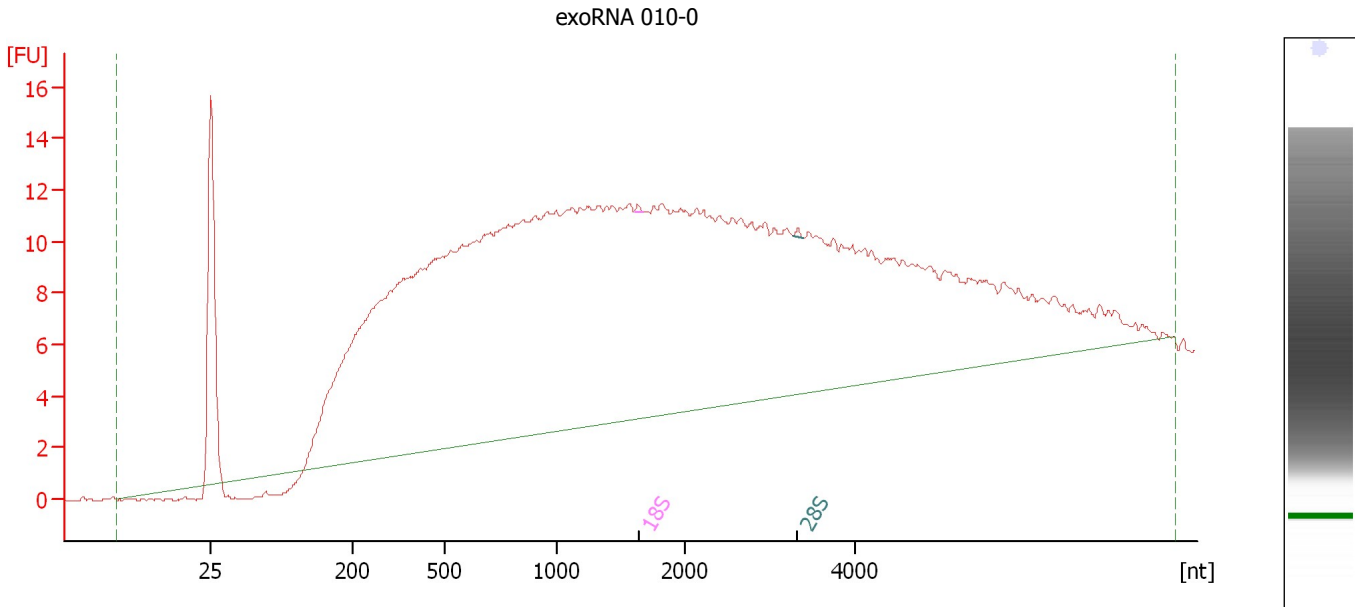
Overall Results for sample 2 : exoRNA 003-1

RNA Area:	162.6	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	100 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad

Created: 3/8/2012 3:26:01 PM
 Modified: 3/8/2012 3:53:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : exoRNA 010-0

RNA Area:	508.6	RNA Integrity Number (RIN):	2.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	313 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 2.40

Fragment table for sample 3 : exoRNA 010-0

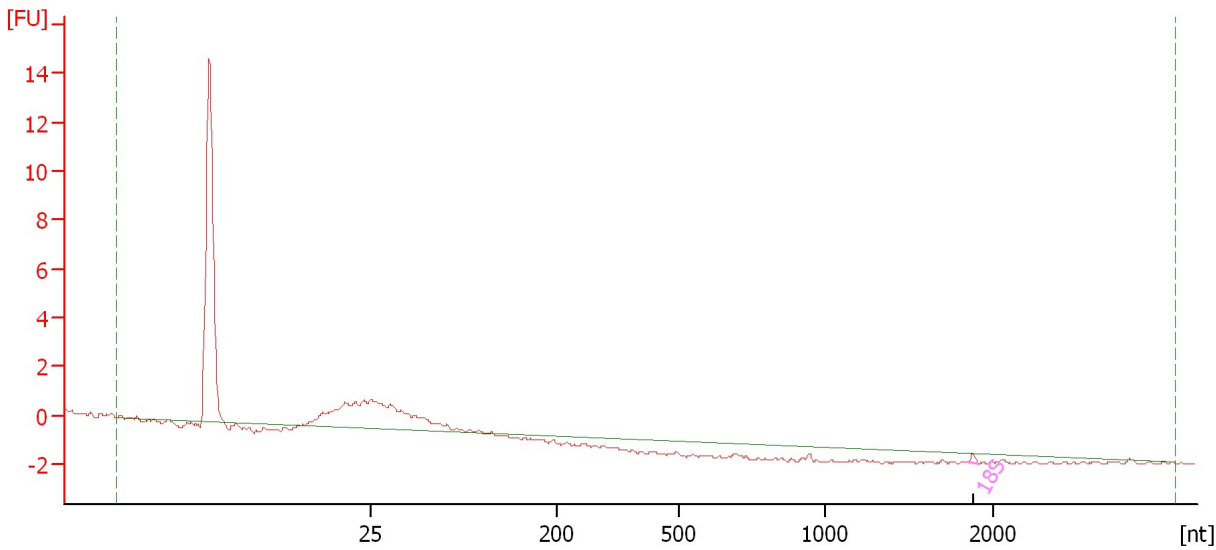
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,604	1,671	0.1	0.0
28S	3,272	3,385	0.1	0.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad

Created: 3/8/2012 3:26:01 PM
Modified: 3/8/2012 3:53:12 PM

Electropherogram Summary Continued ...

exoRNA 005-0



Overall Results for sample 4 : exoRNA 005-0

RNA Area:	28.4	RNA Integrity Number (RIN):	2.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	17 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 2.90

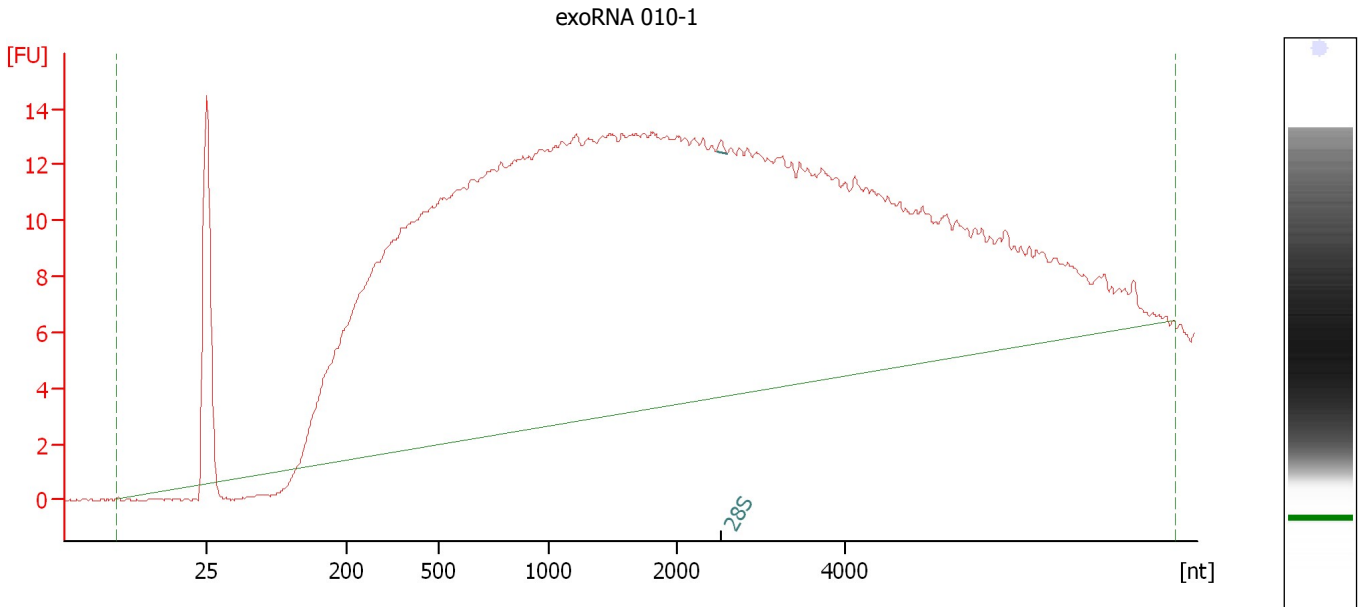
Fragment table for sample 4 : exoRNA 005-0

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,844	1,907	0.1	0.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad

Created: 3/8/2012 3:26:01 PM
 Modified: 3/8/2012 3:53:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : exoRNA 010-1

RNA Area:	612.5	RNA Integrity Number (RIN):	2.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	377 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 2.30

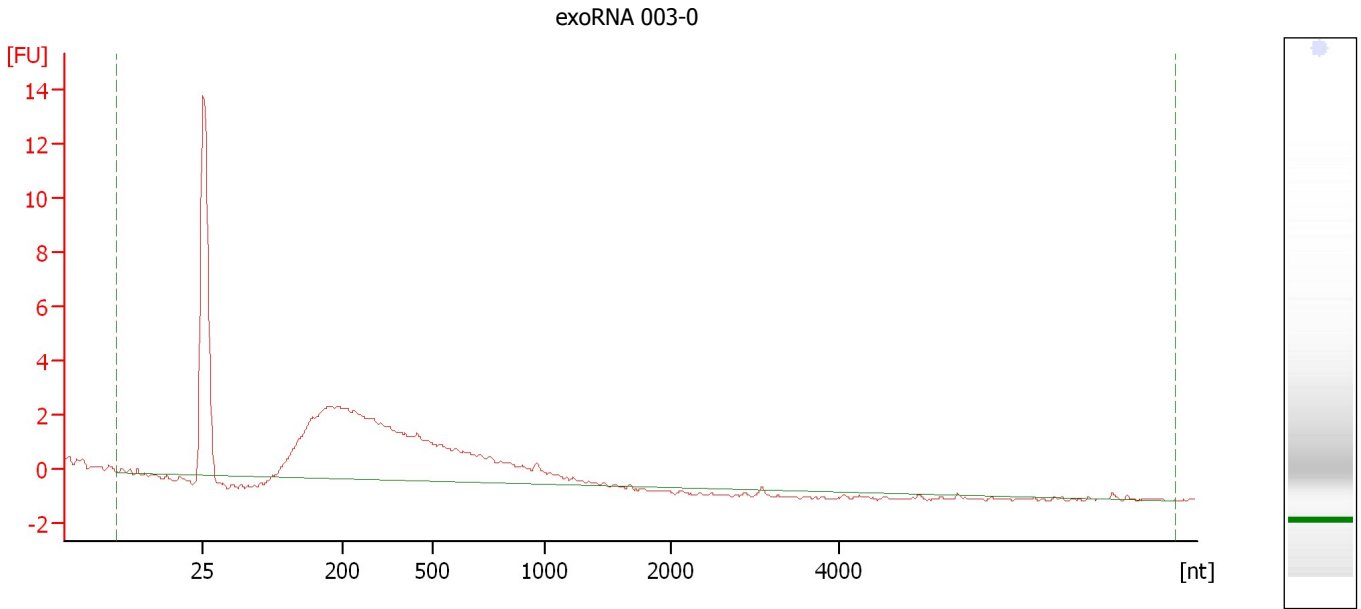
Fragment table for sample 5 : exoRNA 010-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,471	2,584	0.3	0.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad

Created: 3/8/2012 3:26:01 PM
Modified: 3/8/2012 3:53:12 PM

Electropherogram Summary Continued ...



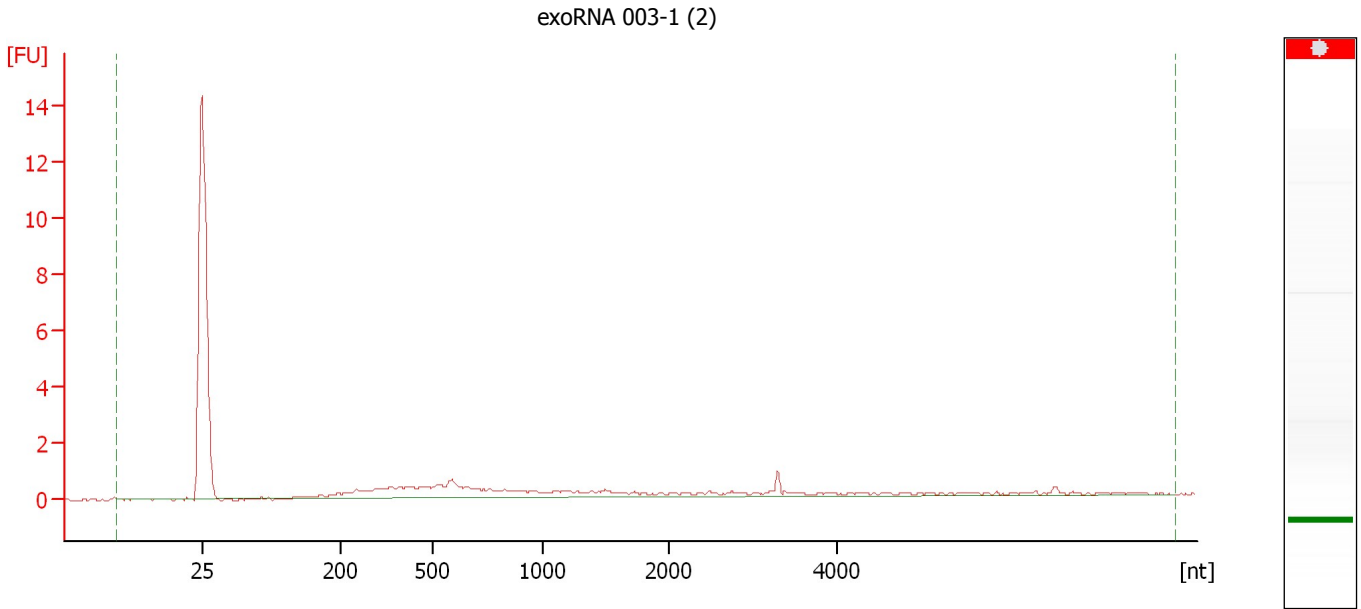
Overall Results for sample 6 : exoRNA 003-0

RNA Area:	59.0	RNA Integrity Number (RIN):	1.9 (B.02.08)
RNA Concentration:	36 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad

Created: 3/8/2012 3:26:01 PM
Modified: 3/8/2012 3:53:12 PM

Electropherogram Summary Continued ...



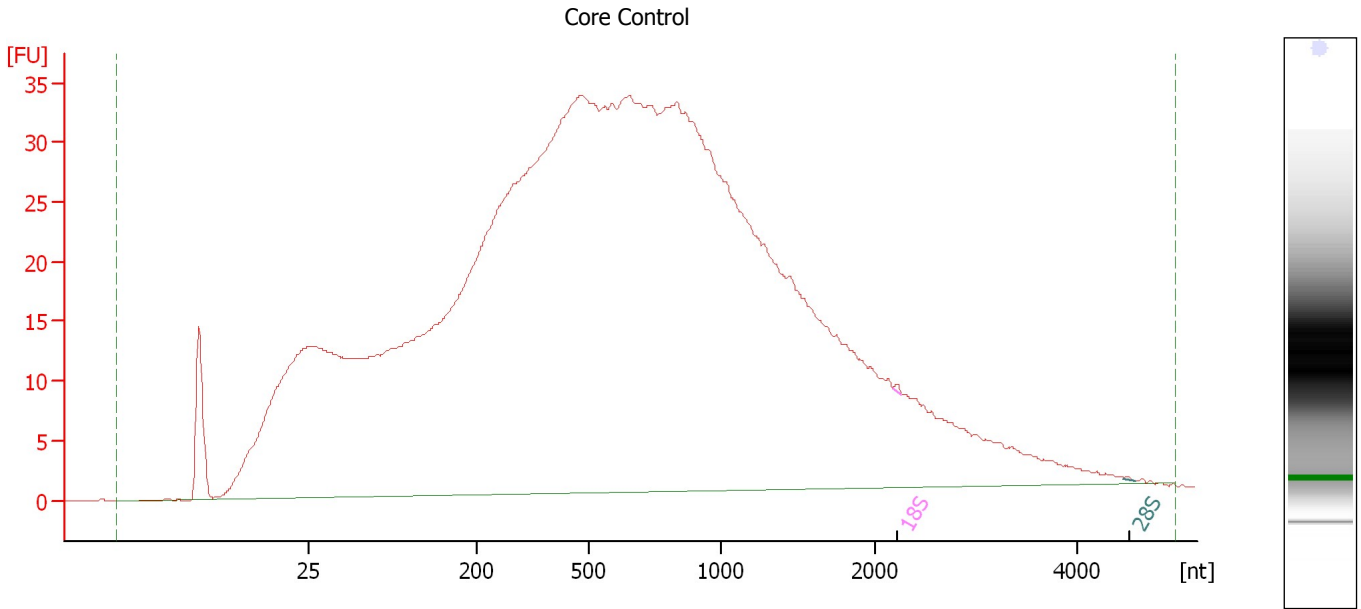
Overall Results for sample 7 : exoRNA 003-1 (2)

RNA Area:	14.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	9 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad

Created: 3/8/2012 3:26:01 PM
Modified: 3/8/2012 3:53:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Core Control

RNA Area: 1,416.9 RNA Integrity Number (RIN): 2.8 (B.02.08)
RNA Concentration: 872 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.5 Result Flagging Label: RIN: 2.80

Fragment table for sample 8 : Core Control

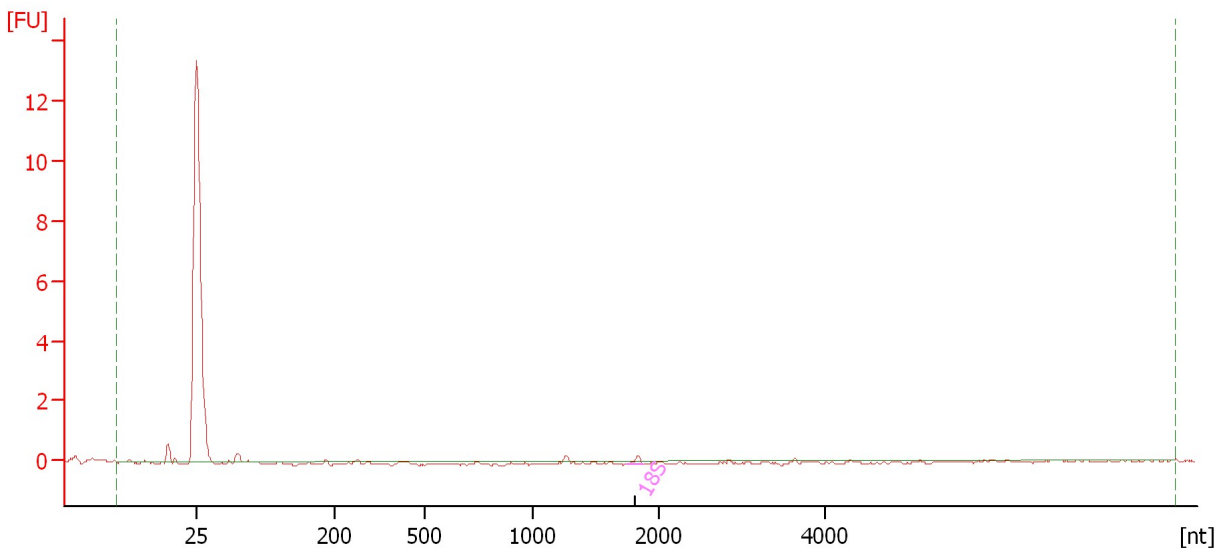
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,181	2,265	0.2	0.0
28S	4,449	4,554	0.1	0.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad

Created: 3/8/2012 3:26:01 PM
Modified: 3/8/2012 3:53:12 PM

Electropherogram Summary Continued ...

Sample 9



Overall Results for sample 9 : Sample 9

RNA Area:	0.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 9 : Sample 9

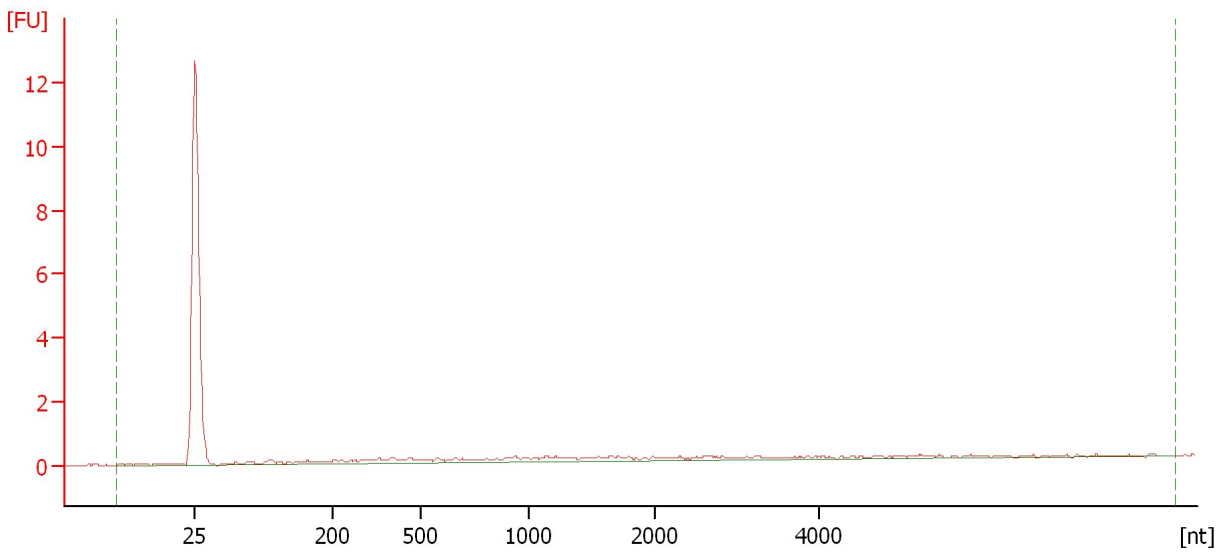
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,757	1,885	0.2	19.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad


Created: 3/8/2012 3:26:01 PM
Modified: 3/8/2012 3:53:12 PM

Electropherogram Summary Continued ...

Sample 10



Overall Results for sample 10 : Sample 10

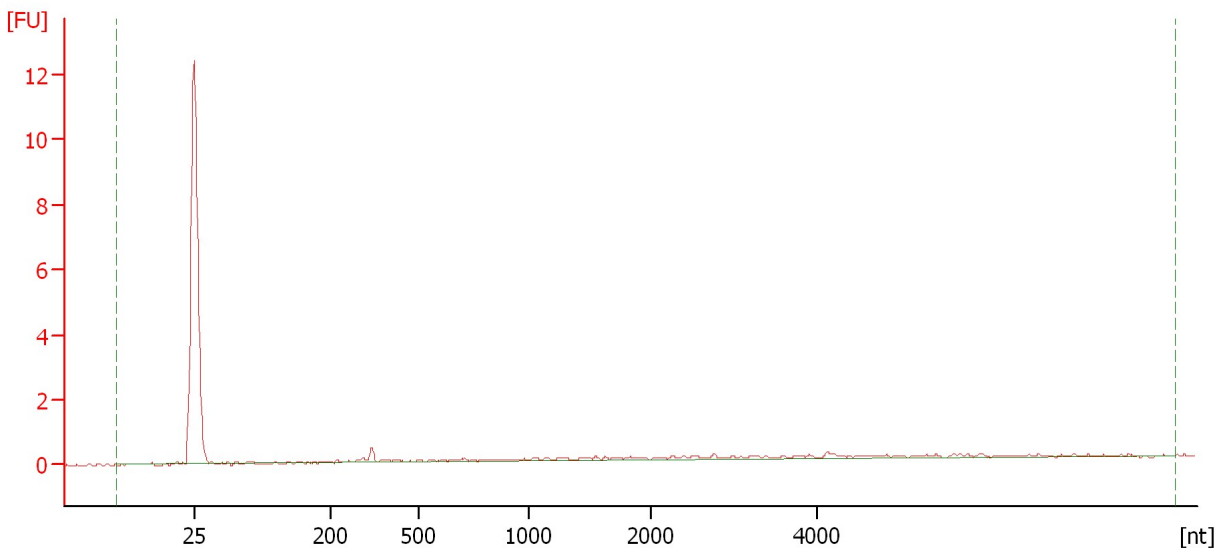
RNA Area:	10.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	6 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad

Created: 3/8/2012 3:26:01 PM
Modified: 3/8/2012 3:53:12 PM

Electropherogram Summary Continued ...

Sample 11



Overall Results for sample 11 : Sample 11

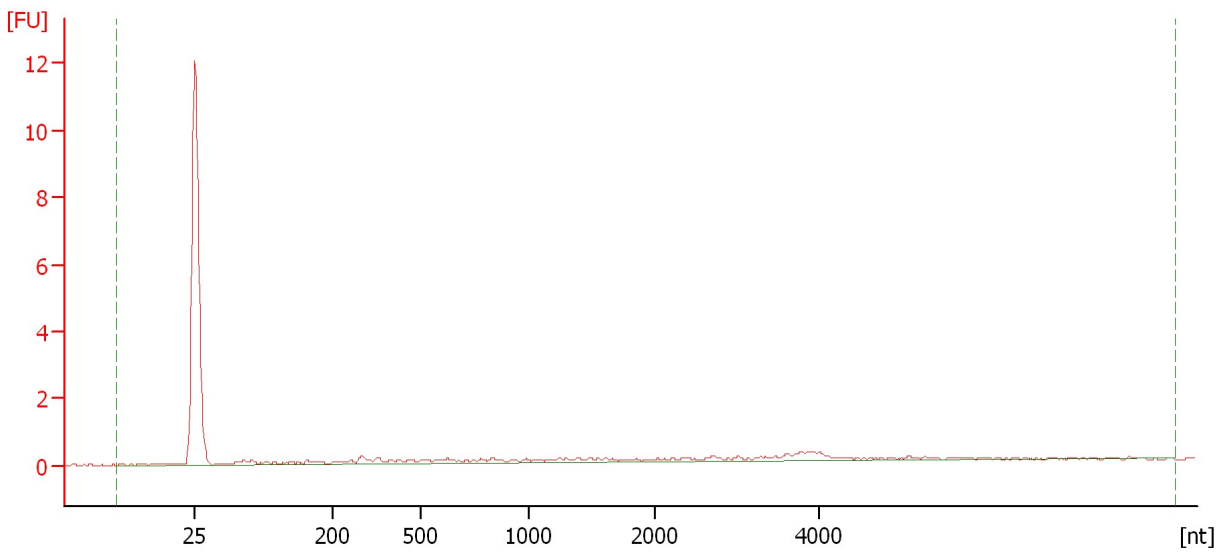
RNA Area:	5.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	3 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad

Created: 3/8/2012 3:26:01 PM
Modified: 3/8/2012 3:53:12 PM

Electropherogram Summary Continued ...

Sample 12



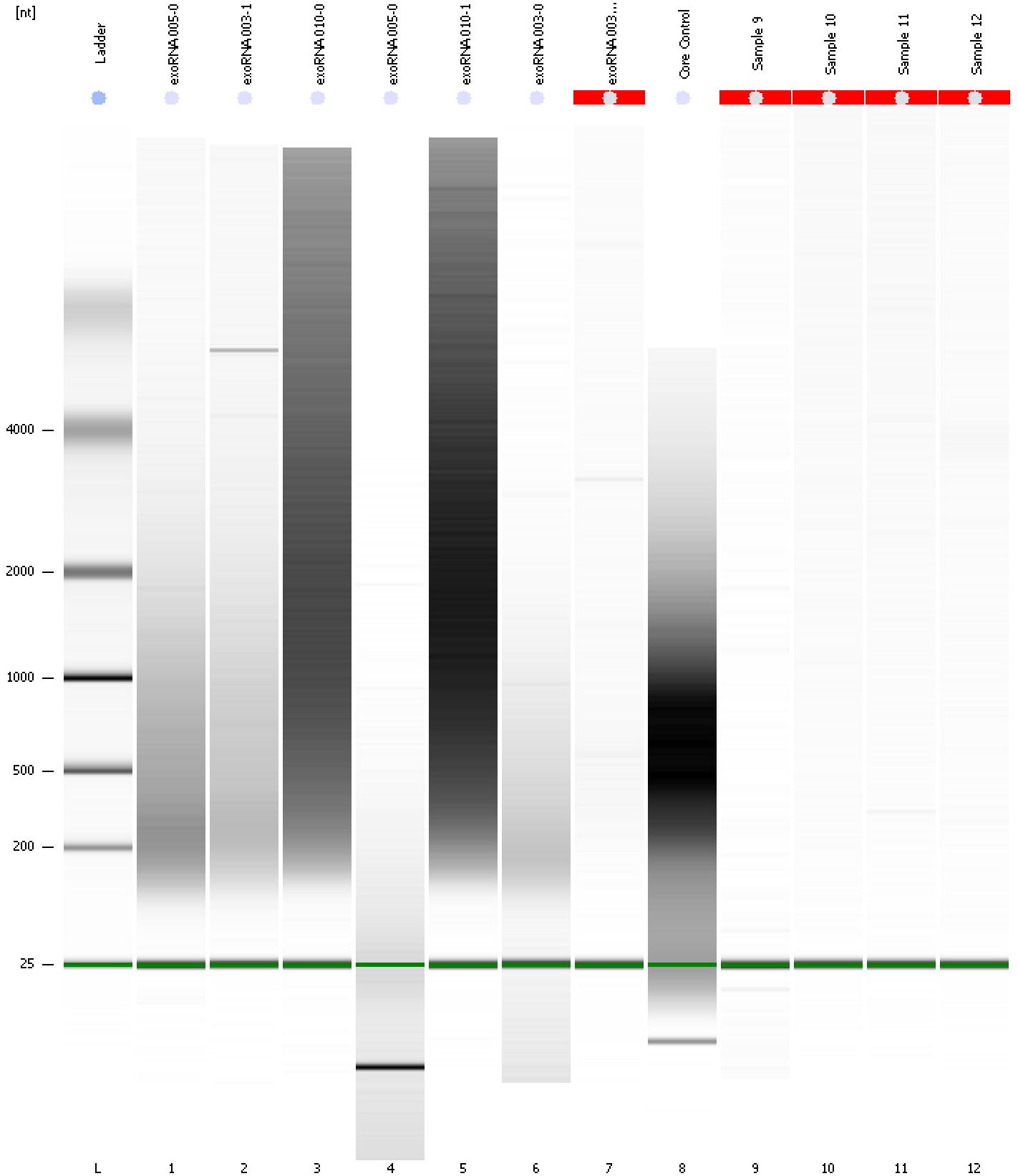
Overall Results for sample 12 : Sample 12

RNA Area:	7.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad

Created: 3/8/2012 3:26:01 PM
Modified: 3/8/2012 3:53:12 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 3/8/2012 3:26:01 PM
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad Modified: 3/8/2012 3:53:12 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		3/8/2012 3:49:52 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2012-03-08\2012-03-08_008.xad)		Instrument	Run		3/8/2012 3:26:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/8/2012 3:26:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/8/2012 3:26:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/8/2012 3:26:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/8/2012 3:26:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/8/2012 3:26:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/8/2012 3:26:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1