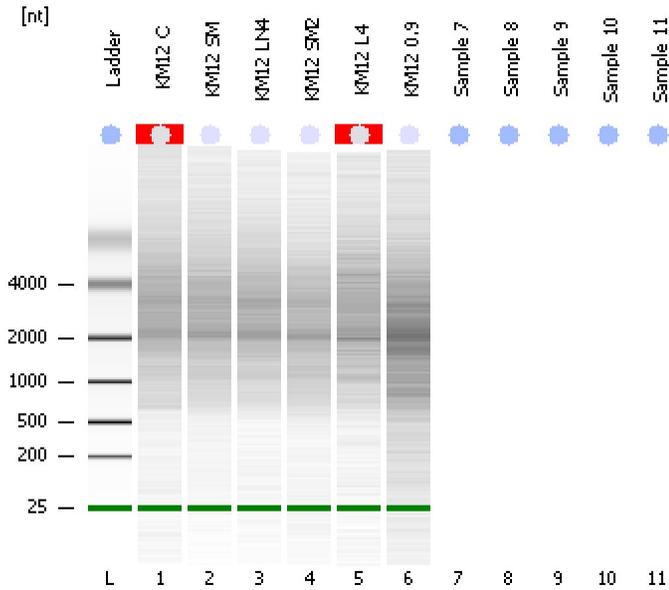


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-15\2014-10-15_001.xad

Created: 10/15/2014 12:51:36 PM
Modified: 10/15/2014 1:12:56 PM

Electrophoresis File Run Summary



Instrument Information:

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

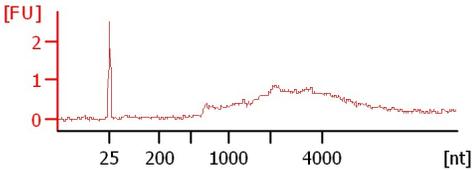
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

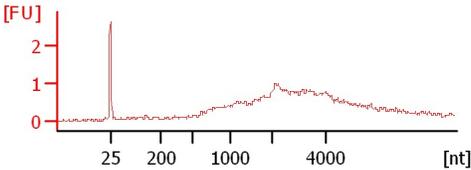
Chip Information:

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

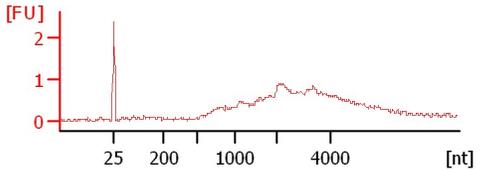
KM12 C
Poly(A) mRNA on Apollo
RIN: N/A



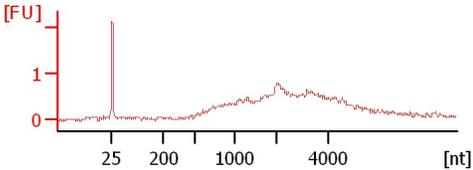
KM12 SM
Poly(A) mRNA on Apollo
RIN: 2.40



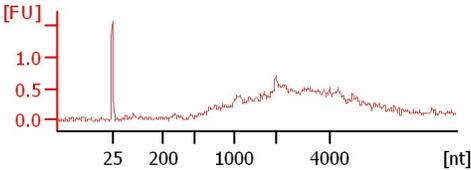
KM12 LN4
Poly(A) mRNA on Apollo
RIN: 2.40



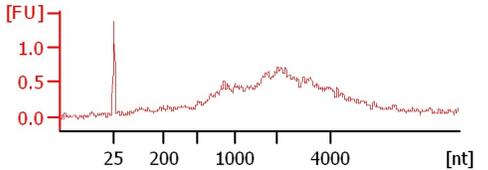
KM12 SM2
Poly(A) mRNA on Apollo
RIN: 2.40



KM12 L4
Poly(A) mRNA on Apollo
RIN: N/A



KM12 0.9
Poly(A) mRNA on Apollo
RIN: 2.40



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-15\2014-10-15_001.xad

Created: 10/15/2014 12:51:36 PM
 Modified: 10/15/2014 1:12:56 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
KM12 C	Poly(A) mRNA on Apollo	✓	RIN N/A	
KM12 SM	Poly(A) mRNA on Apollo	✓	RIN: 2.40	
KM12 LN4	Poly(A) mRNA on Apollo	✓	RIN: 2.40	
KM12 SM2	Poly(A) mRNA on Apollo	✓	RIN: 2.40	
KM12 L4	Poly(A) mRNA on Apollo	✓	RIN N/A	
KM12 0.9	Poly(A) mRNA on Apollo	✓	RIN: 2.40	
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-15\2014-10-15_001.xad

Created: 10/15/2014 12:51:36 PM
Modified: 10/15/2014 1:12:56 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/ 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

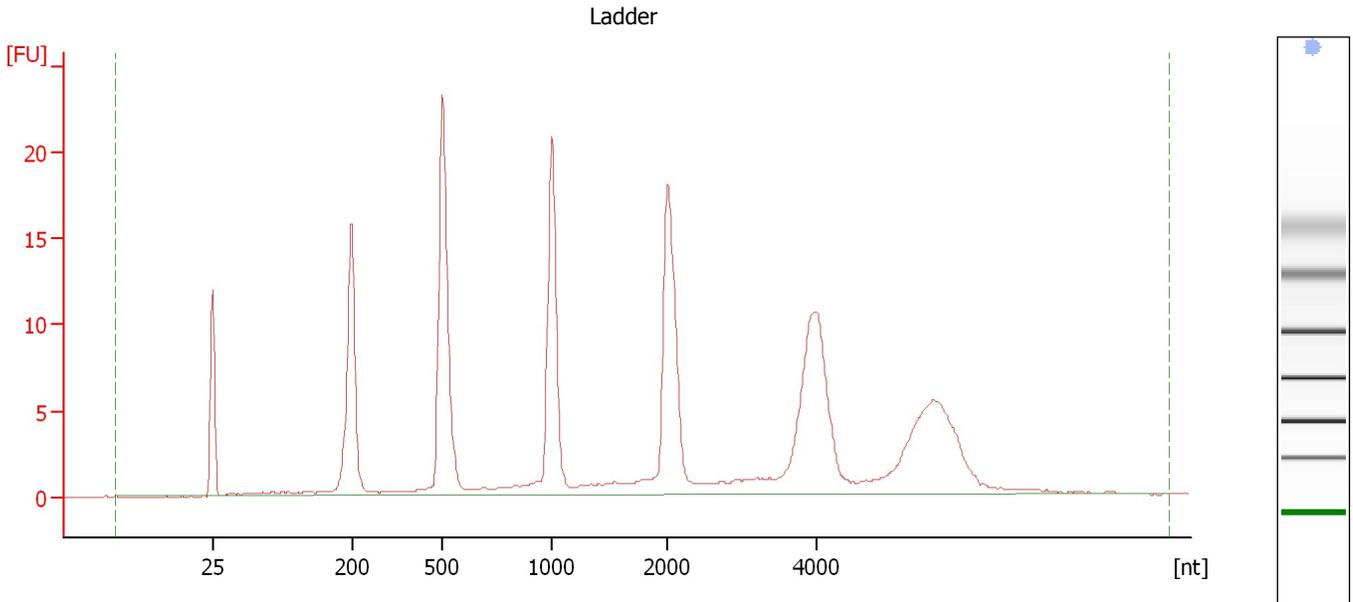
Ladder

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\2014-10-15\2014-10-15_001.xad

Created: 10/15/2014 12:51:36 PM
Modified: 10/15/2014 1:12:56 PM

Electropherogram Summary



Overall Results for Ladder

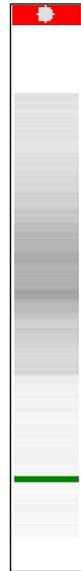
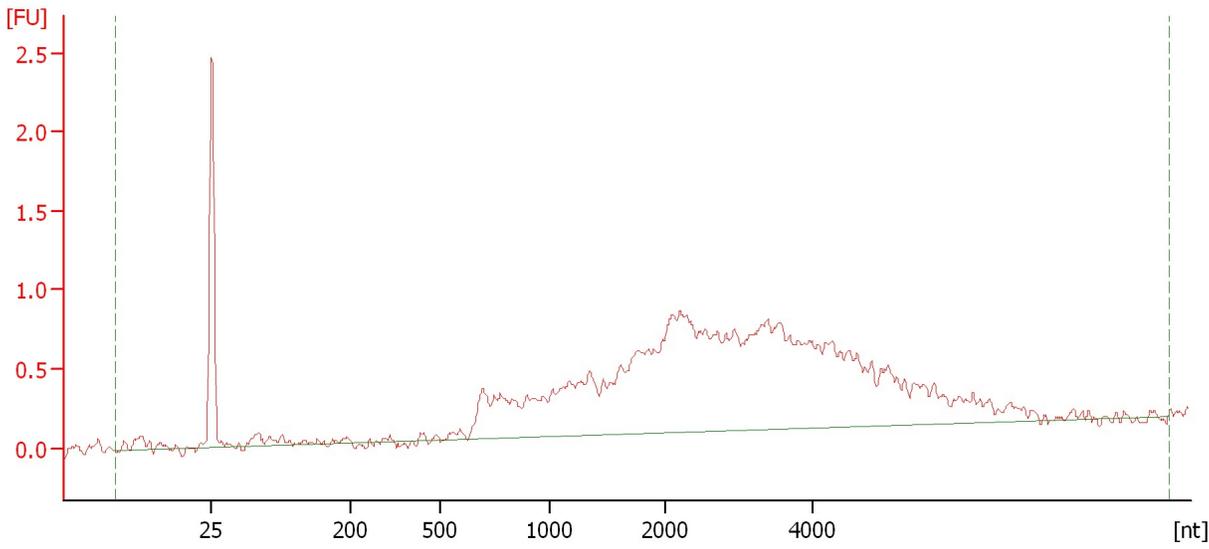
RNA Area:	192.1	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-15\2014-10-15_001.xad

Created: 10/15/2014 12:51:36 PM
Modified: 10/15/2014 1:12:56 PM

Electropherogram Summary Continued ...

KM12 C [Poly(A) mRNA on Apollo]



Overall Results for sample 1 : KM12 C

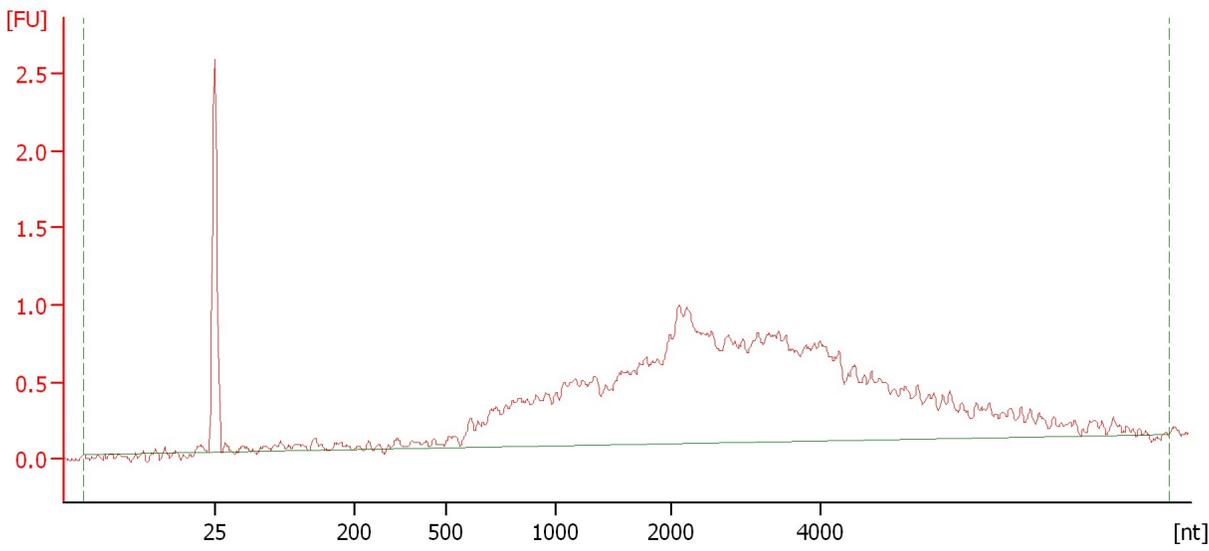
RNA Area:	22.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	118 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-15\2014-10-15_001.xad

Created: 10/15/2014 12:51:36 PM
Modified: 10/15/2014 1:12:56 PM

Electropherogram Summary Continued ...

KM12 SM [Poly(A) mRNA on Apollo]



Overall Results for sample 2 : KM12 SM

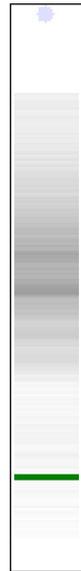
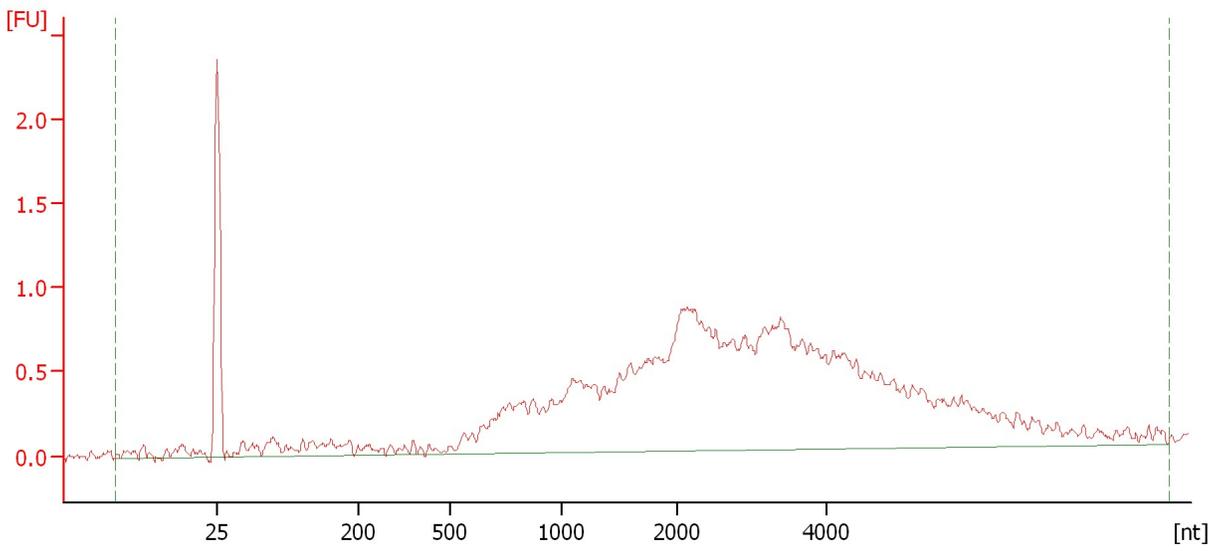
RNA Area:	24.7	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	129 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-15\2014-10-15_001.xad

Created: 10/15/2014 12:51:36 PM
Modified: 10/15/2014 1:12:56 PM

Electropherogram Summary Continued ...

KM12 LN4 [Poly(A) mRNA on Apollo]



Overall Results for sample 3 : KM12 LN4

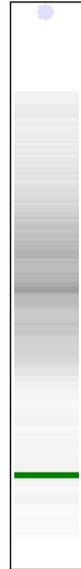
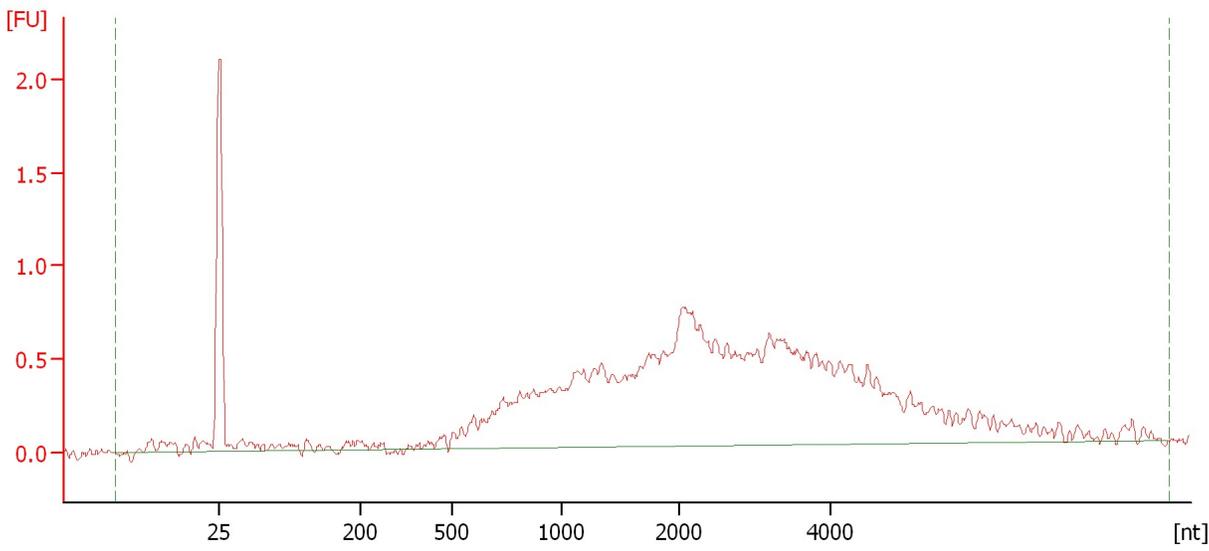
RNA Area:	27.2	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	142 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-15\2014-10-15_001.xad

Created: 10/15/2014 12:51:36 PM
Modified: 10/15/2014 1:12:56 PM

Electropherogram Summary Continued ...

KM12 SM2 [Poly(A) mRNA on Apollo]



Overall Results for sample 4 : KM12 SM2

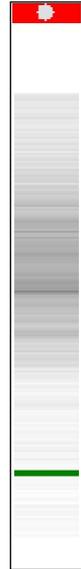
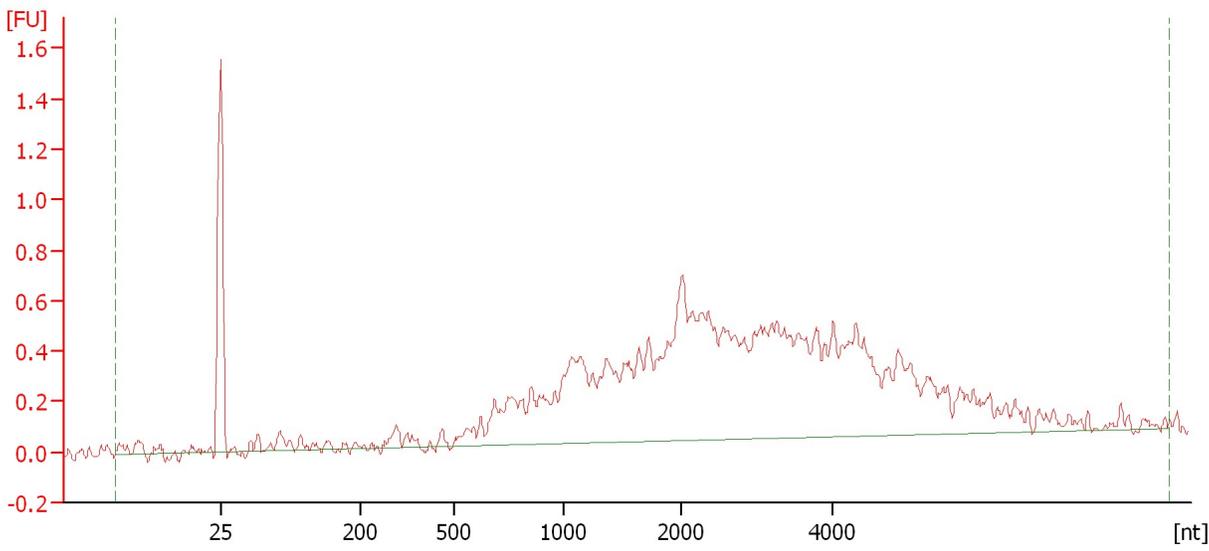
RNA Area:	21.0	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	109 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-15\2014-10-15_001.xad

Created: 10/15/2014 12:51:36 PM
Modified: 10/15/2014 1:12:56 PM

Electropherogram Summary Continued ...

KM12 L4 [Poly(A) mRNA on Apollo]



Overall Results for sample 5 : KM12 L4

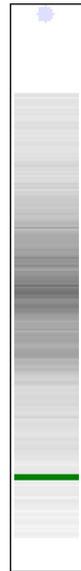
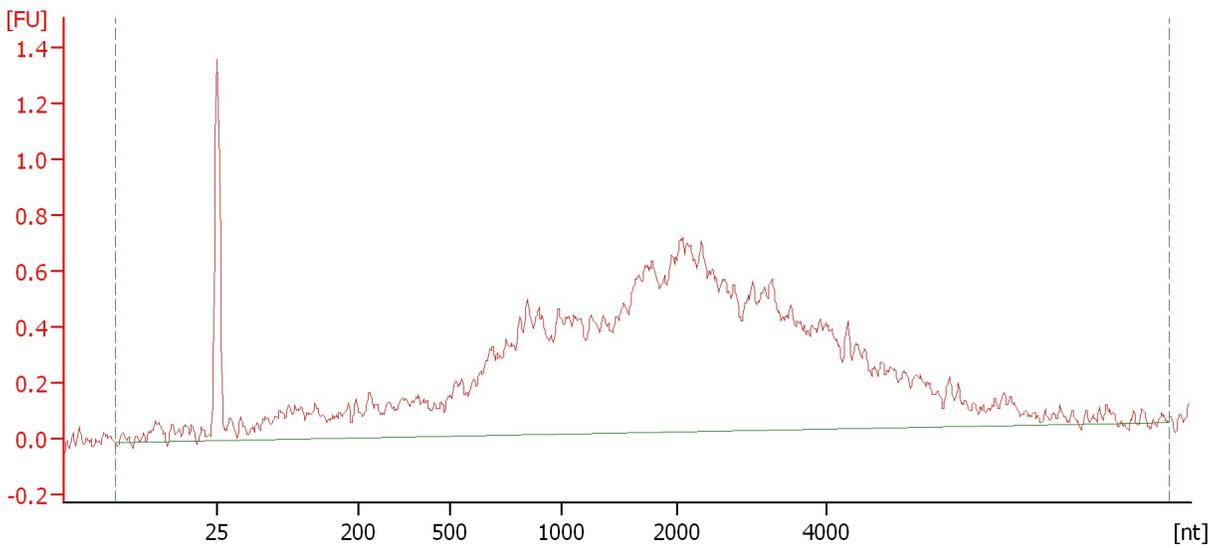
RNA Area:	16.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	87 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-15\2014-10-15_001.xad

Created: 10/15/2014 12:51:36 PM
Modified: 10/15/2014 1:12:56 PM

Electropherogram Summary Continued ...

KM12 0.9 [Poly(A) mRNA on Apollo]



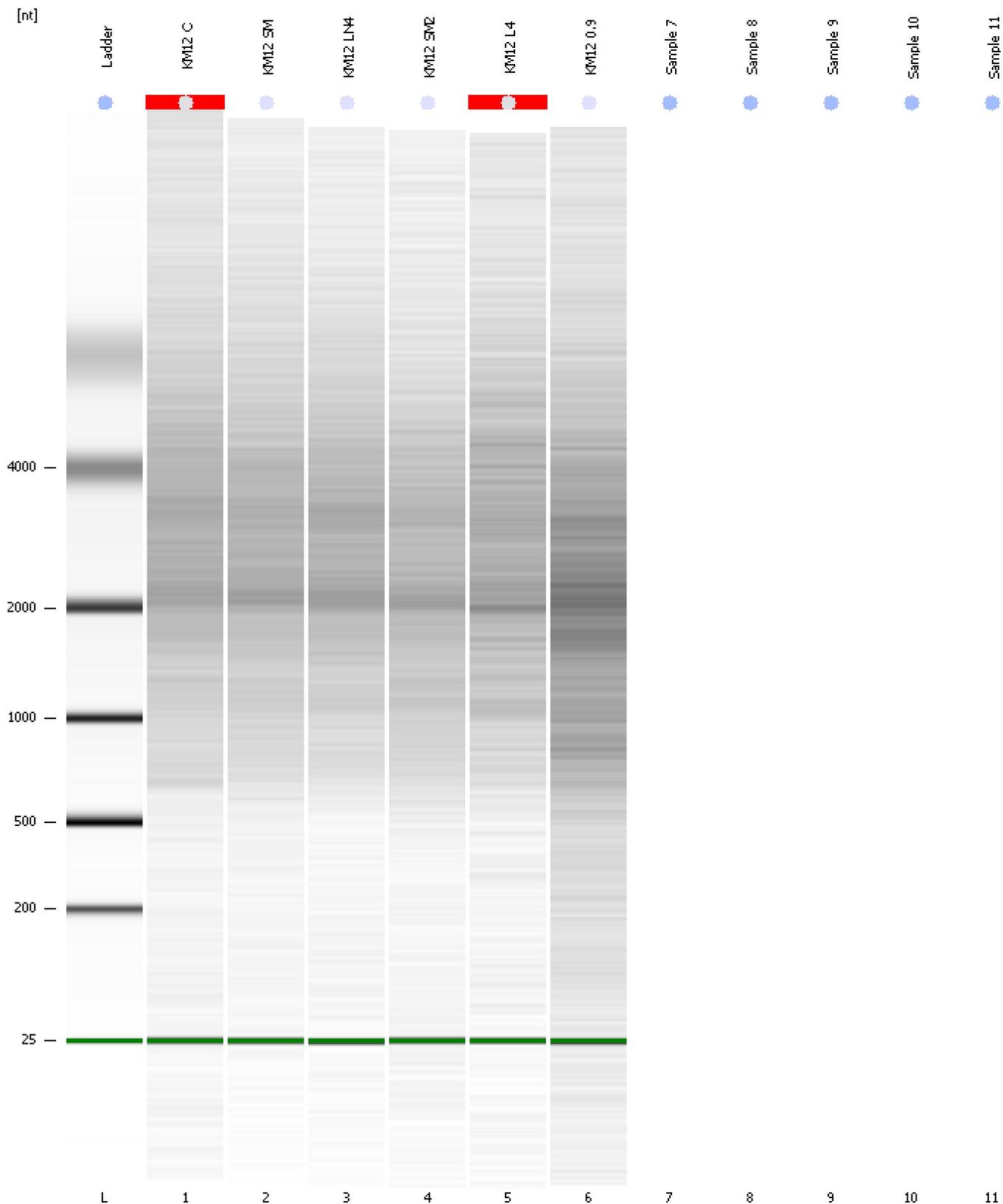
Overall Results for sample 6 : KM12 0.9

RNA Area:	23.8	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	124 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-15\2014-10-15_001.xad

Created: 10/15/2014 12:51:36 PM
Modified: 10/15/2014 1:12:56 PM

Gel Image

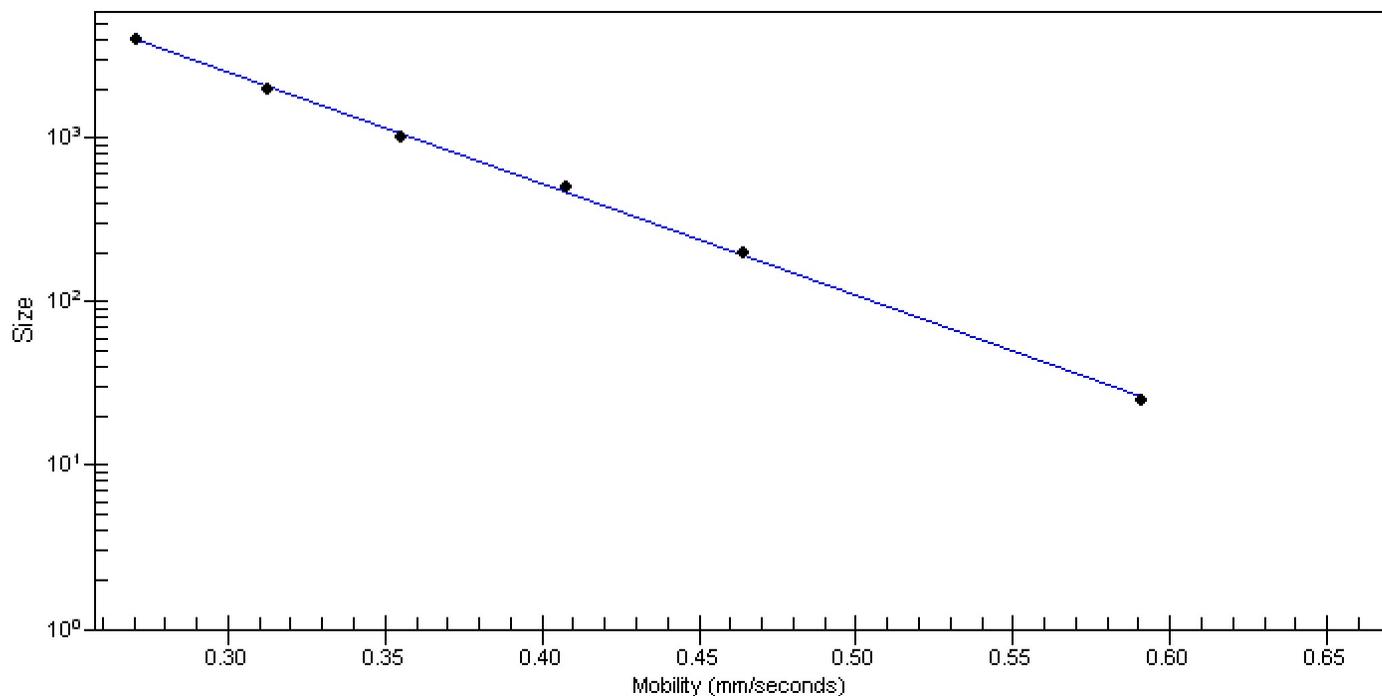


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-15\2014-10-15_001.xad

Created: 10/15/2014 12:51:36 PM
Modified: 10/15/2014 1:12:56 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-15\2014-10-15_001.xad

Created: 10/15/2014 12:51:36 PM
Modified: 10/15/2014 1:12:56 PM

Invalid Samples

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-15\2014-10-15_001.xad

Created: 10/15/2014 12:51:36 PM
 Modified: 10/15/2014 1:12:56 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 7)		Instrument	Run		10/15/2014 1:07:19 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-10-15\2014-10-15_001.xad)		Instrument	Run		10/15/2014 12:51:42 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		10/15/2014 12:51:42 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/15/2014 12:51:42 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/15/2014 12:51:42 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		10/15/2014 12:51:42 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/15/2014 12:51:42 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/15/2014 12:51:42 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1