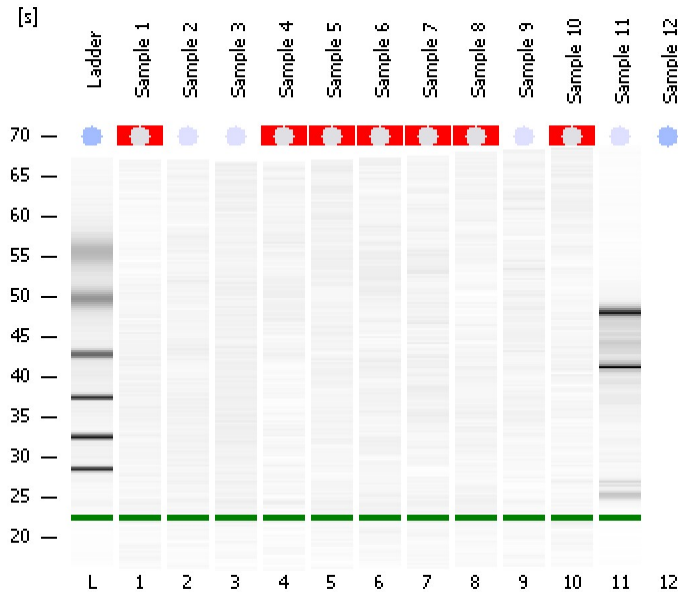


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-15\2013-04-15_003.xad

Created: 4/15/2013 2:07:12 PM
Modified: 4/15/2013 2:29:40 PM

Electrophoresis File Run Summary



Instrument Information:

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

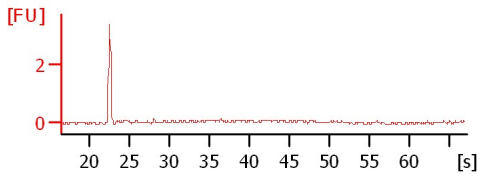
Assay Information:

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.

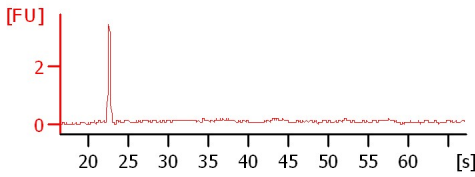
Chip Information:

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

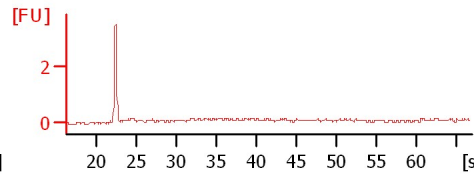
Sample 1
RIN N/A



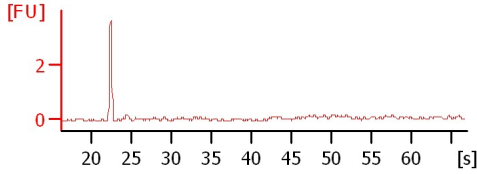
Sample 2
RIN:1



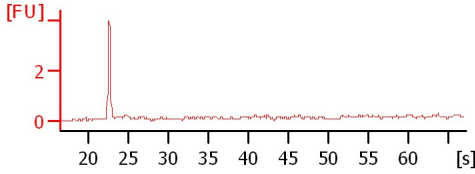
Sample 3
RIN:1



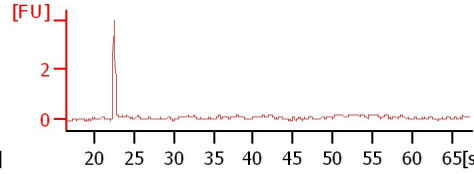
Sample 4
RIN N/A



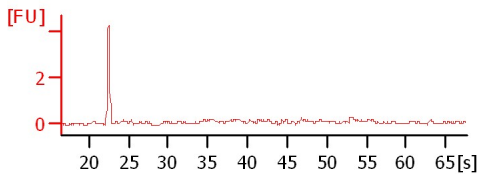
Sample 5
RIN N/A



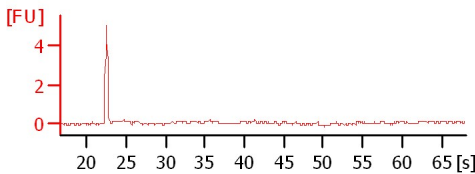
Sample 6
RIN N/A



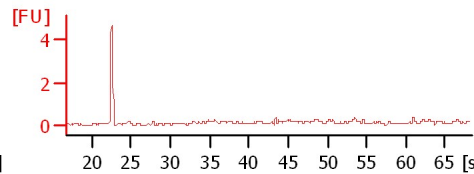
Sample 7
RIN N/A



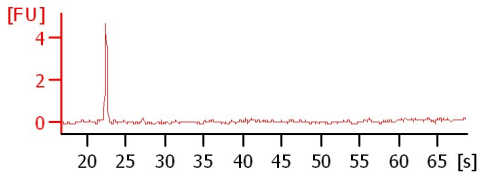
Sample 8
RIN N/A



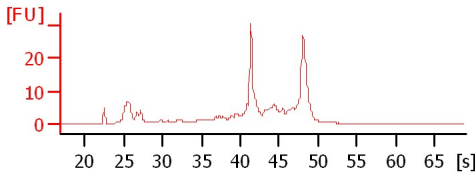
Sample 9
RIN: 5.60



Sample 10
RIN N/A



Sample 11
RIN: 7.90



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-15\2013-04-15_003.xad

Created: 4/15/2013 2:07:12 PM
 Modified: 4/15/2013 2:29:40 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN N/A	
Sample 2		✓	RIN:1	
Sample 3		✓	RIN:1	
Sample 4		✓	RIN N/A	
Sample 5		✓	RIN N/A	
Sample 6		✓	RIN N/A	
Sample 7		✓	RIN N/A	
Sample 8		✓	RIN N/A	
Sample 9		✓	RIN: 5.60	
Sample 10		✓	RIN N/A	
Sample 11		✓	RIN: 7.90	
Sample 12				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-15\2013-04-15_003.xad

Created: 4/15/2013 2:07:12 PM
Modified: 4/15/2013 2:29:40 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

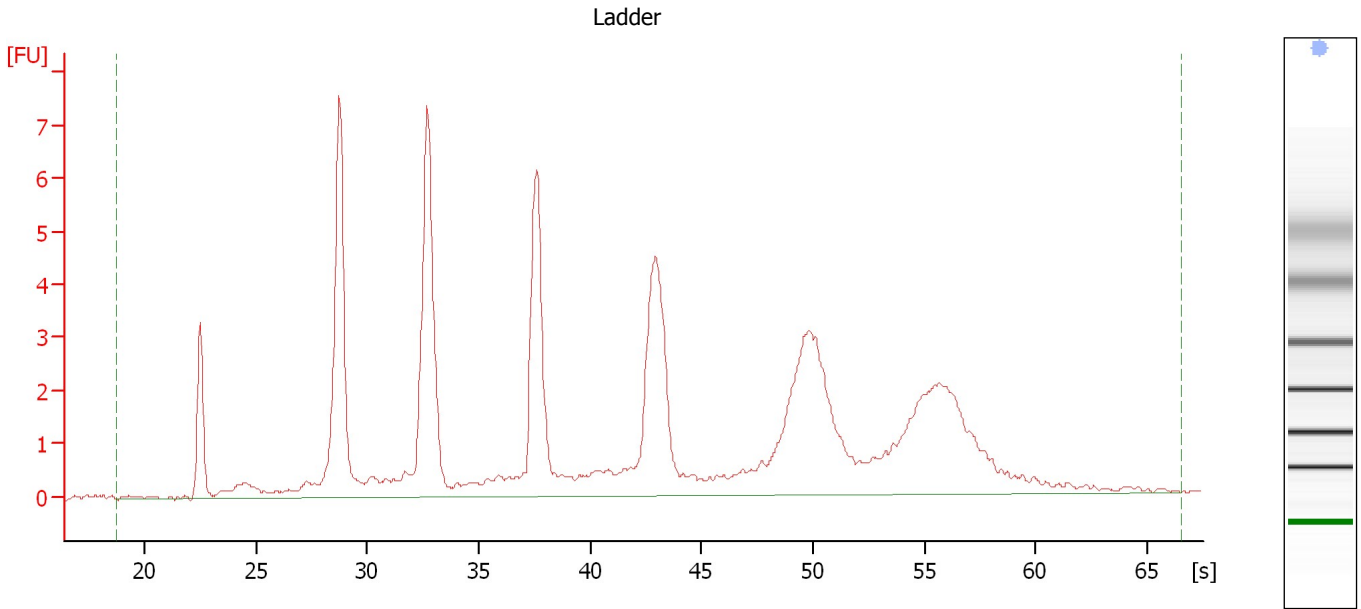
Ladder

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\2013-04-15\2013-04-15_003.xad

Created: 4/15/2013 2:07:12 PM
Modified: 4/15/2013 2:29:40 PM

Electropherogram Summary



Overall Results for Ladder

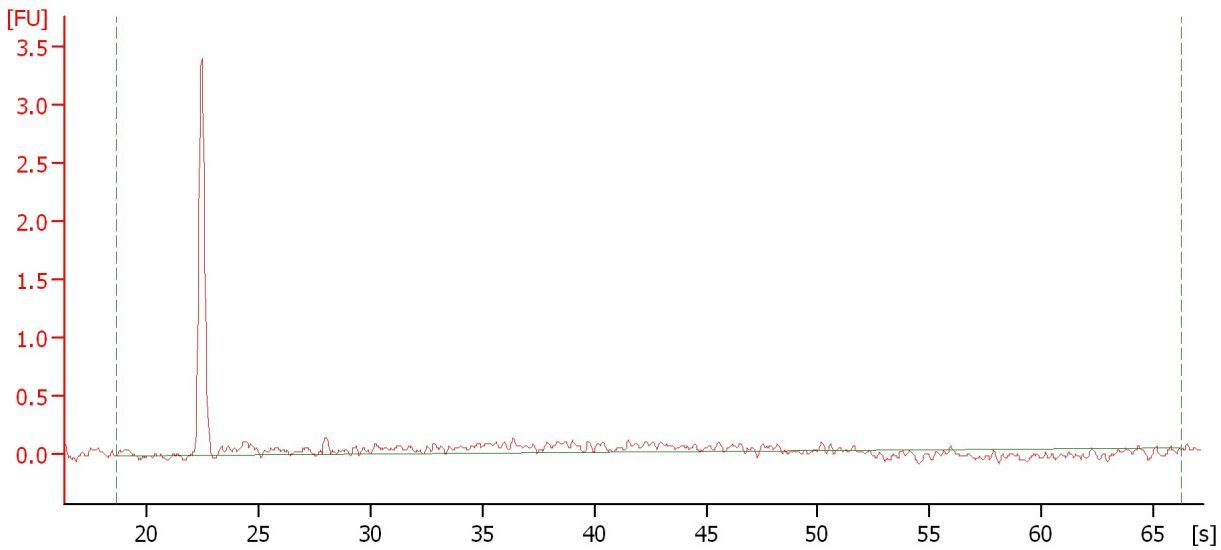
RNA Area:	90.9	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-15\2013-04-15_003.xad

Created: 4/15/2013 2:07:12 PM
Modified: 4/15/2013 2:29:40 PM

Electropherogram Summary Continued ...

Sample 1



Overall Results for sample 1 : Sample 1

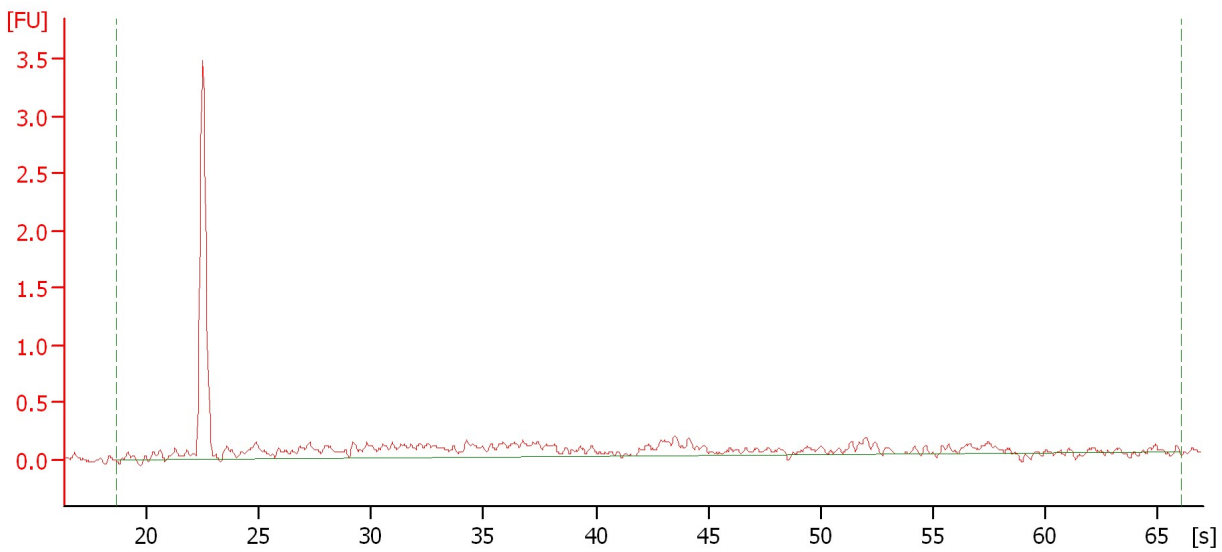
RNA Area:	3.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	6 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-15\2013-04-15_003.xad

Created: 4/15/2013 2:07:12 PM
Modified: 4/15/2013 2:29:40 PM

Electropherogram Summary Continued ...

Sample 2



Overall Results for sample 2 : Sample 2

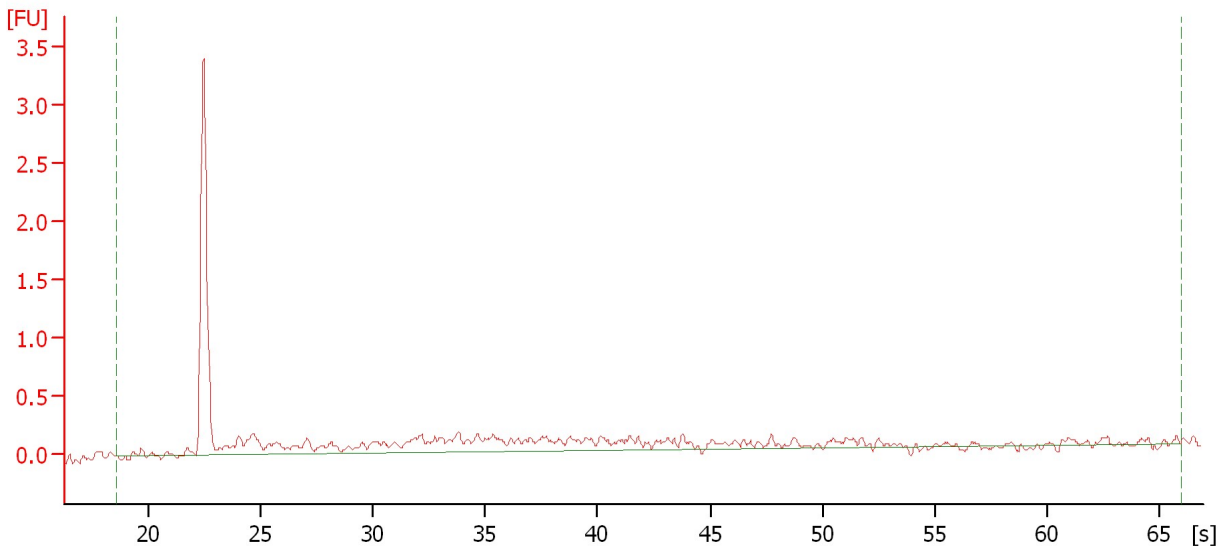
RNA Area:	7.0	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	12 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-15\2013-04-15_003.xad

Created: 4/15/2013 2:07:12 PM
Modified: 4/15/2013 2:29:40 PM

Electropherogram Summary Continued ...

Sample 3



Overall Results for sample 3 : Sample 3

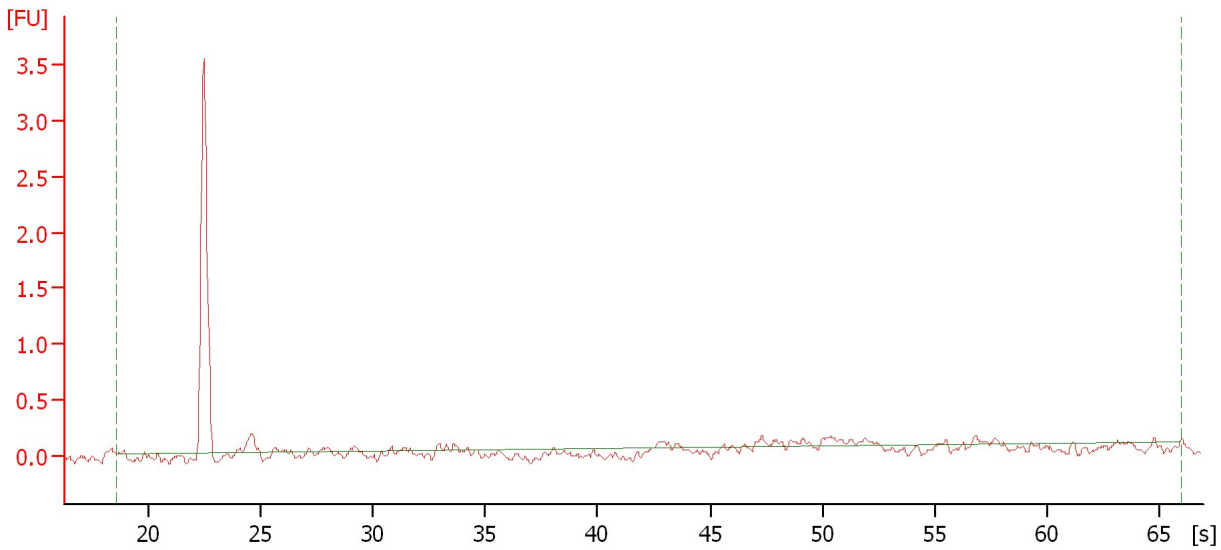
RNA Area:	7.0	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	12 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-15\2013-04-15_003.xad


Created: 4/15/2013 2:07:12 PM
Modified: 4/15/2013 2:29:40 PM

Electropherogram Summary Continued ...

Sample 4



Overall Results for sample 4 : Sample 4

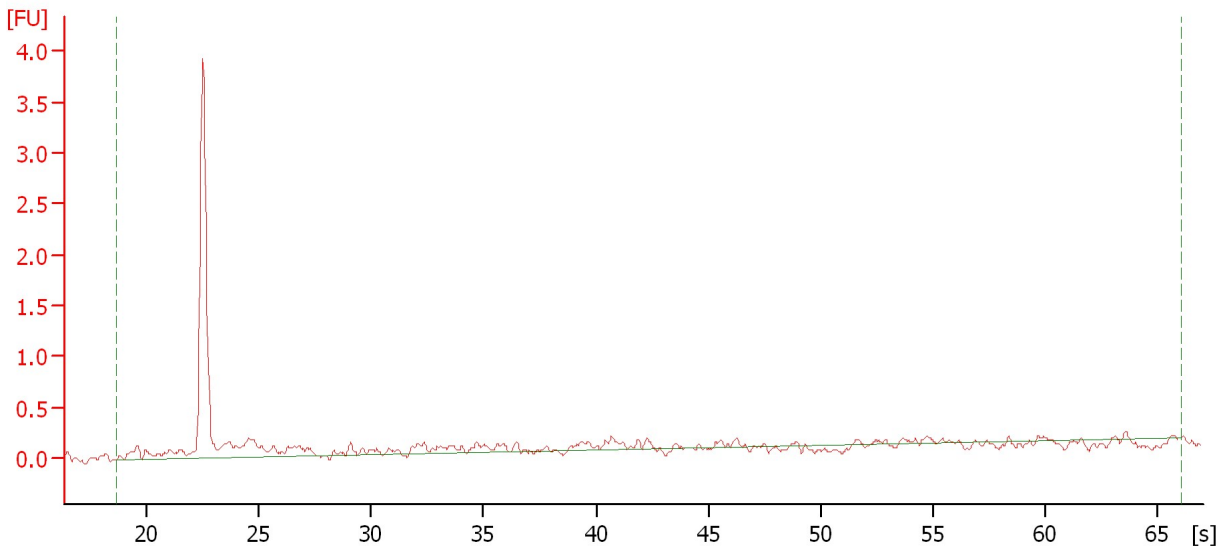
RNA Area:	1.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-15\2013-04-15_003.xad

Created: 4/15/2013 2:07:12 PM
Modified: 4/15/2013 2:29:40 PM

Electropherogram Summary Continued ...

Sample 5



Overall Results for sample 5 : Sample 5

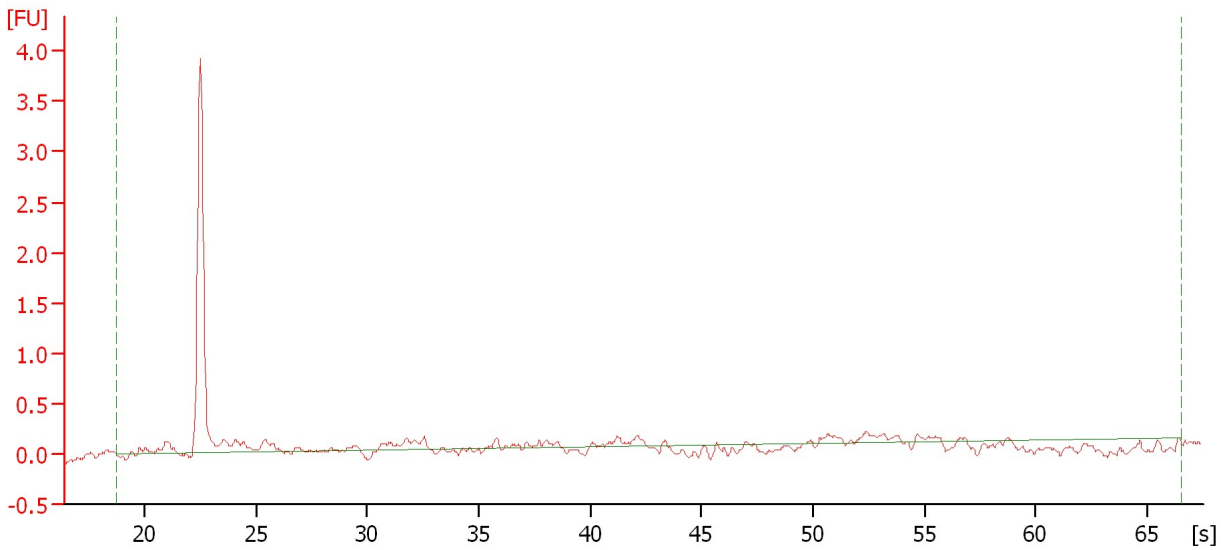
RNA Area:	5.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	8 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-15\2013-04-15_003.xad

Created: 4/15/2013 2:07:12 PM
Modified: 4/15/2013 2:29:40 PM

Electropherogram Summary Continued ...

Sample 6



Overall Results for sample 6 : Sample 6

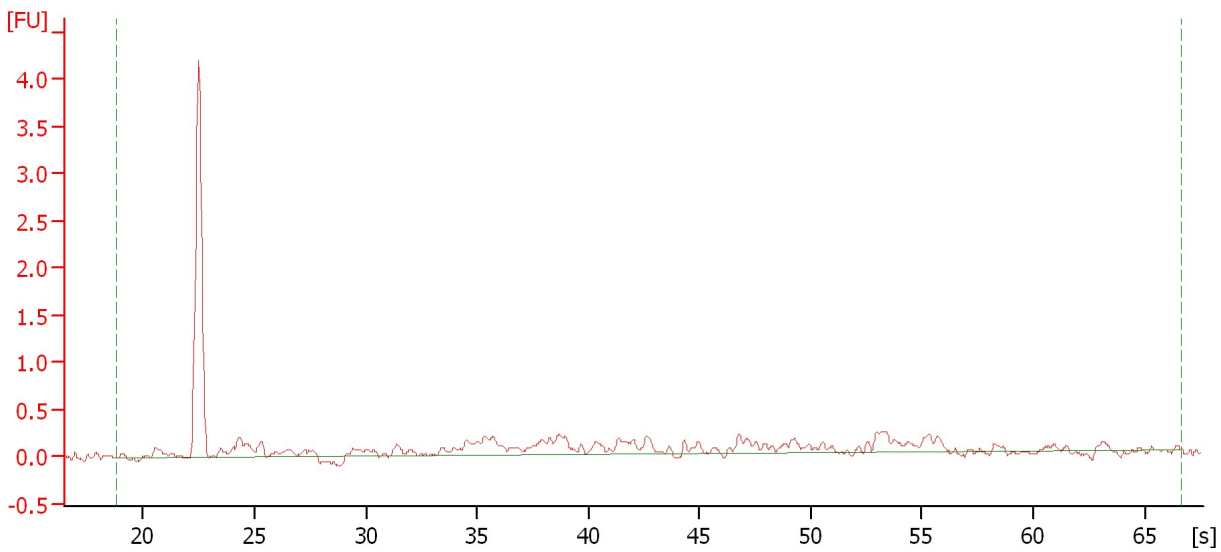
RNA Area:	3.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-15\2013-04-15_003.xad


Created: 4/15/2013 2:07:12 PM
Modified: 4/15/2013 2:29:40 PM

Electropherogram Summary Continued ...

Sample 7



Overall Results for sample 7 : Sample 7

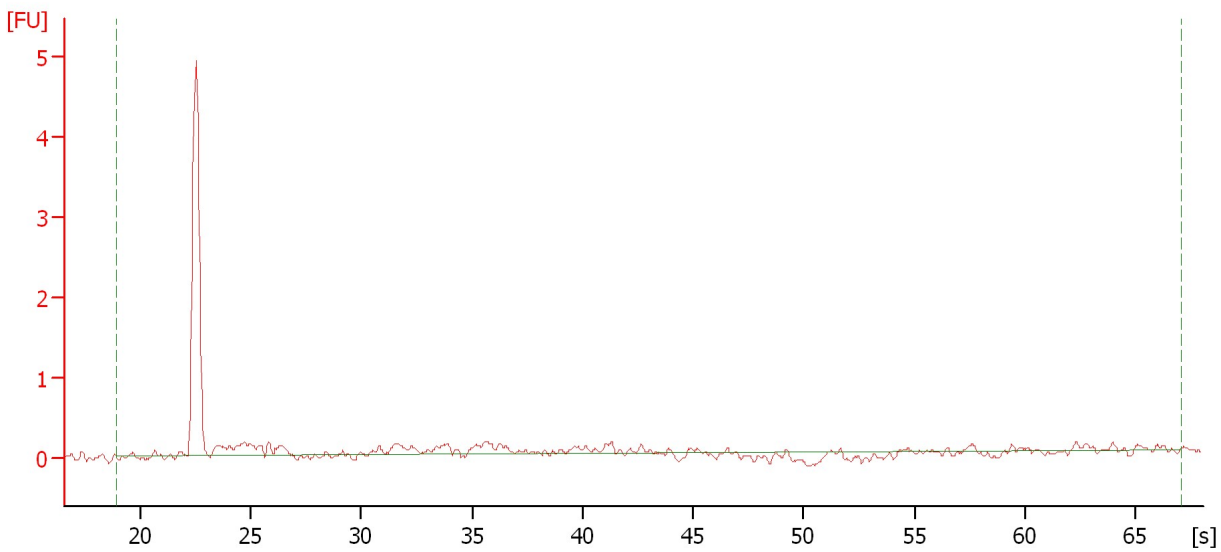
RNA Area:	5.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	10 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-15\2013-04-15_003.xad

Created: 4/15/2013 2:07:12 PM
Modified: 4/15/2013 2:29:40 PM

Electropherogram Summary Continued ...

Sample 8



Overall Results for sample 8 : Sample 8

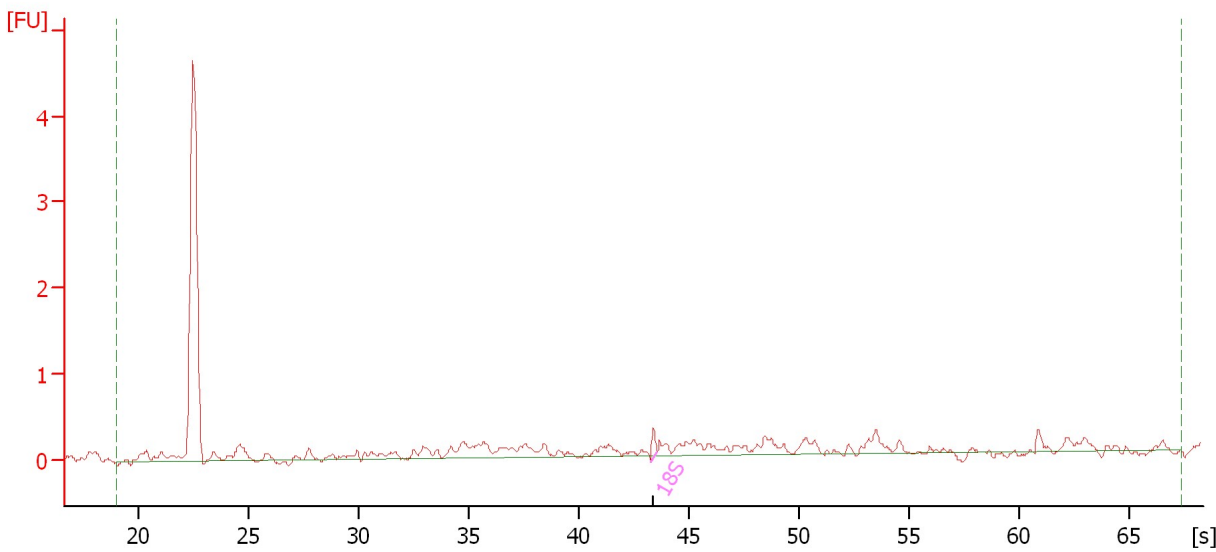
RNA Area:	4.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	7 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-15\2013-04-15_003.xad

Created: 4/15/2013 2:07:12 PM
Modified: 4/15/2013 2:29:40 PM

Electropherogram Summary Continued ...

Sample 9



Overall Results for sample 9 : Sample 9

RNA Area:	8.1	RNA Integrity Number (RIN):	5.6 (B.02.08)
RNA Concentration:	13 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.60

Fragment table for sample 9 : Sample 9

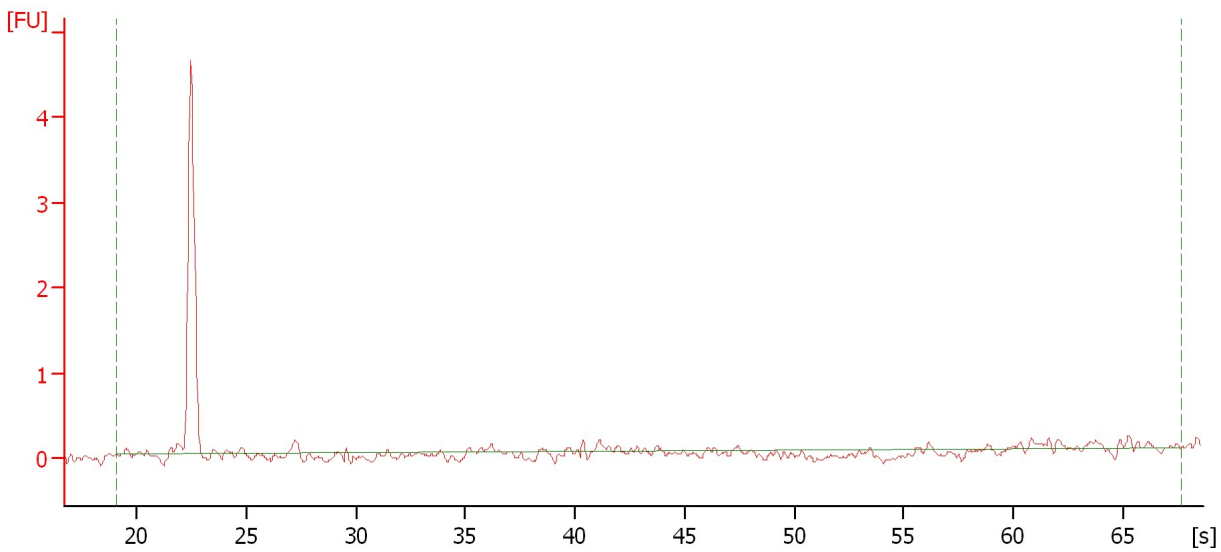
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	43.24	43.58	0.1	1.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-15\2013-04-15_003.xad

Created: 4/15/2013 2:07:12 PM
Modified: 4/15/2013 2:29:40 PM

Electropherogram Summary Continued ...

Sample 10



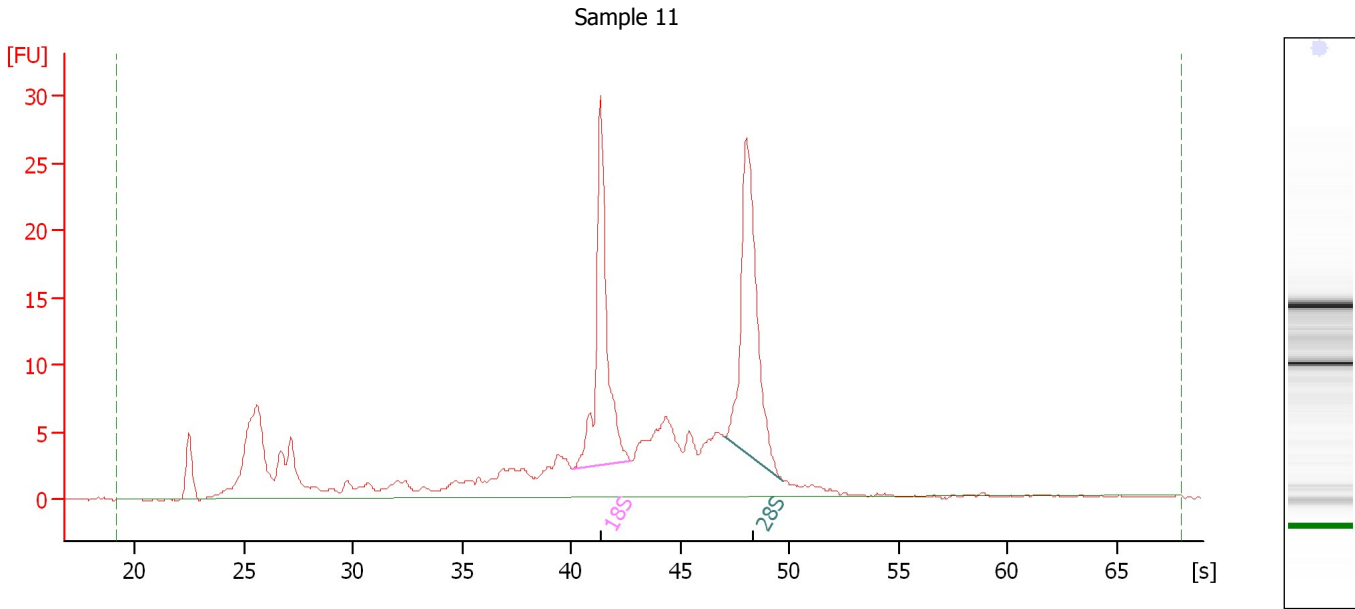
Overall Results for sample 10 : Sample 10

RNA Area:	1.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2 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\2013-04-15\2013-04-15_003.xad

Created: 4/15/2013 2:07:12 PM
Modified: 4/15/2013 2:29:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Sample 11

RNA Area:	240.7	RNA Integrity Number (RIN):	7.9 (B.02.08)
RNA Concentration:	397 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.90

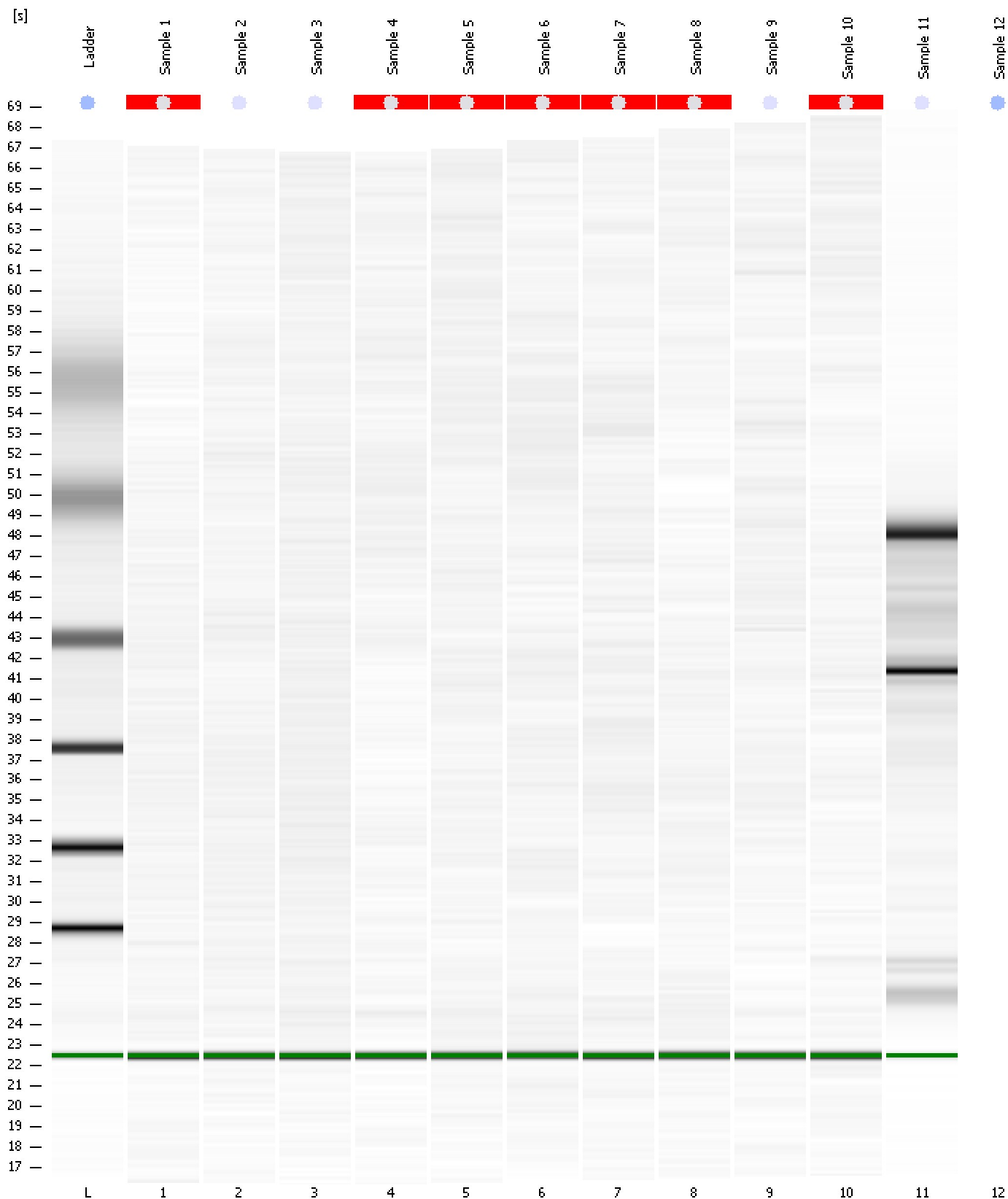
Fragment table for sample 11 : Sample 11

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.13	42.78	35.7	14.8
28S	47.07	49.73	40.6	16.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-15\2013-04-15_003.xad

Created: 4/15/2013 2:07:12 PM
Modified: 4/15/2013 2:29:40 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-15\2013-04-15_003.xad

Created: 4/15/2013 2:07:12 PM
Modified: 4/15/2013 2:29:40 PM

Invalid Samples

Sample 12 has not been run, no results available.

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-15\2013-04-15_003.xad

Created: 4/15/2013 2:07:12 PM
 Modified: 4/15/2013 2:29:40 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		4/15/2013 2:29:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-04-15\2013-04-15_003.xad)		Instrument	Run		4/15/2013 2:07:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/15/2013 2:07:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/15/2013 2:07:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/15/2013 2:07:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/15/2013 2:07:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/15/2013 2:07:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/15/2013 2:07:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1