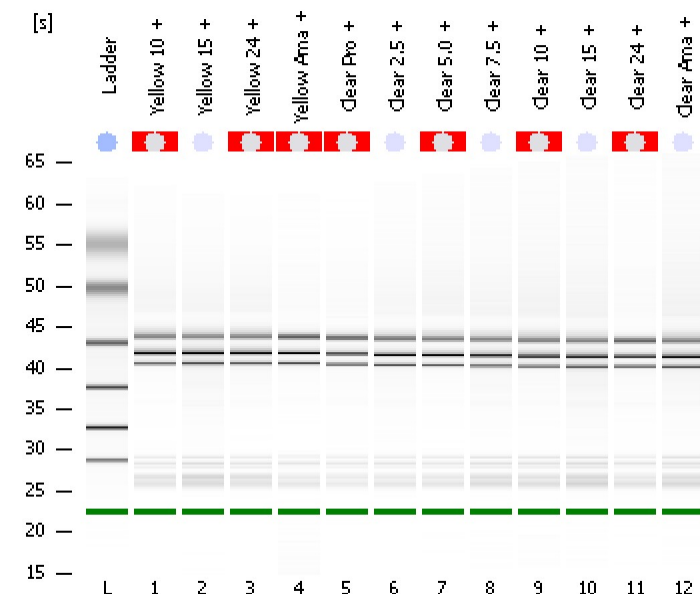


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE34903145\_2013-05-01\_12-20-16.xad

Created: 5/1/2013 12:20:15 PM  
Modified: 5/1/2013 12:44:46 PM

### Electrophoresis File Run Summary



#### Instrument Information:

Instrument Name: DE34903145  
Serial#: DE34903145

Firmware: C.01.069  
Type: G2938C

#### 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)

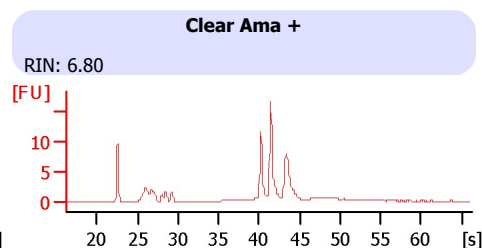
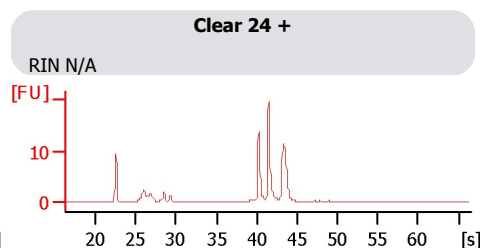
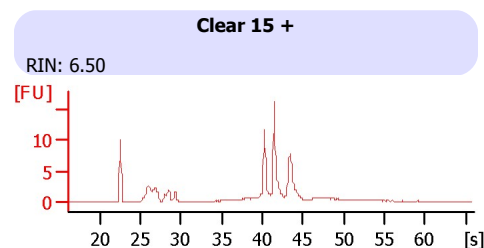
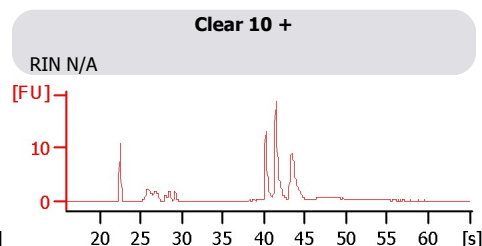
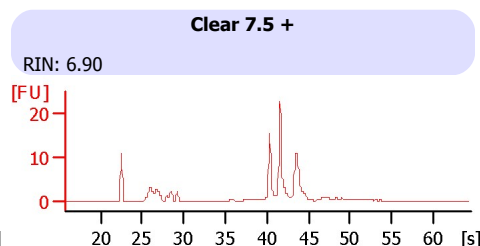
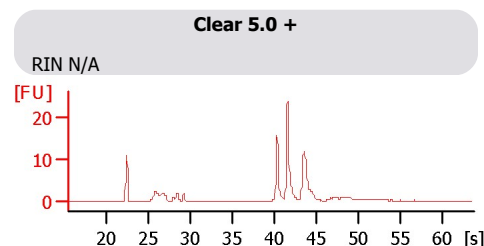
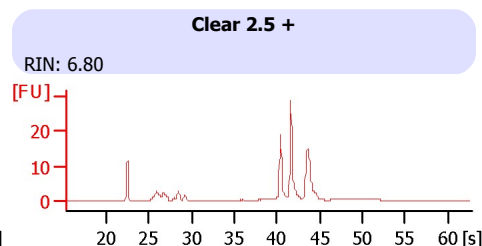
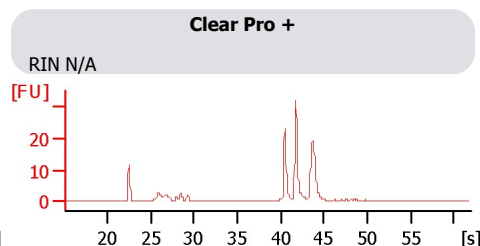
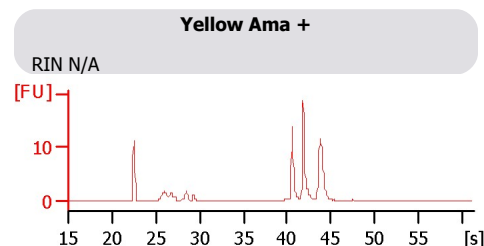
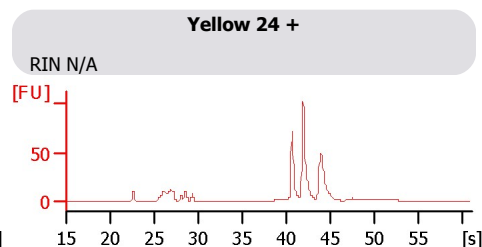
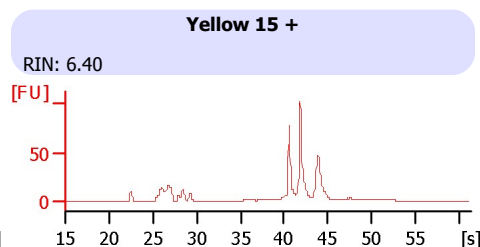
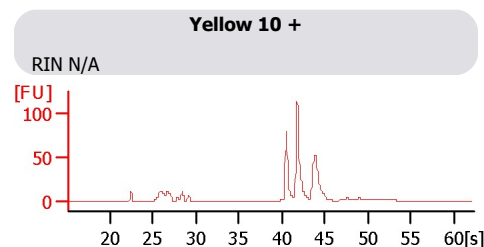
© Copyright 2003 - 2009 Agilent Technologies, Inc.

#### Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE34903145\_2013-05-01\_12-20-16.xad

Created: 5/1/2013 12:20:15 PM  
Modified: 5/1/2013 12:44:46 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
Yellow 10 +		✓	RIN N/A	
Yellow 15 +		✓	RIN: 6.40	
Yellow 24 +		✓	RIN N/A	
Yellow Ama +		✓	RIN N/A	
Clear Pro +		✓	RIN N/A	
Clear 2.5 +		✓	RIN: 6.80	
Clear 5.0 +		✓	RIN N/A	
Clear 7.5 +		✓	RIN: 6.90	
Clear 10 +		✓	RIN N/A	
Clear 15 +		✓	RIN: 6.50	
Clear 24 +		✓	RIN N/A	
Clear Ama +		✓	RIN: 6.80	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE34903145\_2013-05-01\_12-20-16.xad

Created: 5/1/2013 12:20:15 PM  
Modified: 5/1/2013 12:44:46 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/μl] : 150

Lower Marker Concentration [ng/μl] : 0

Upper Marker Concentration [ng/μl] : 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

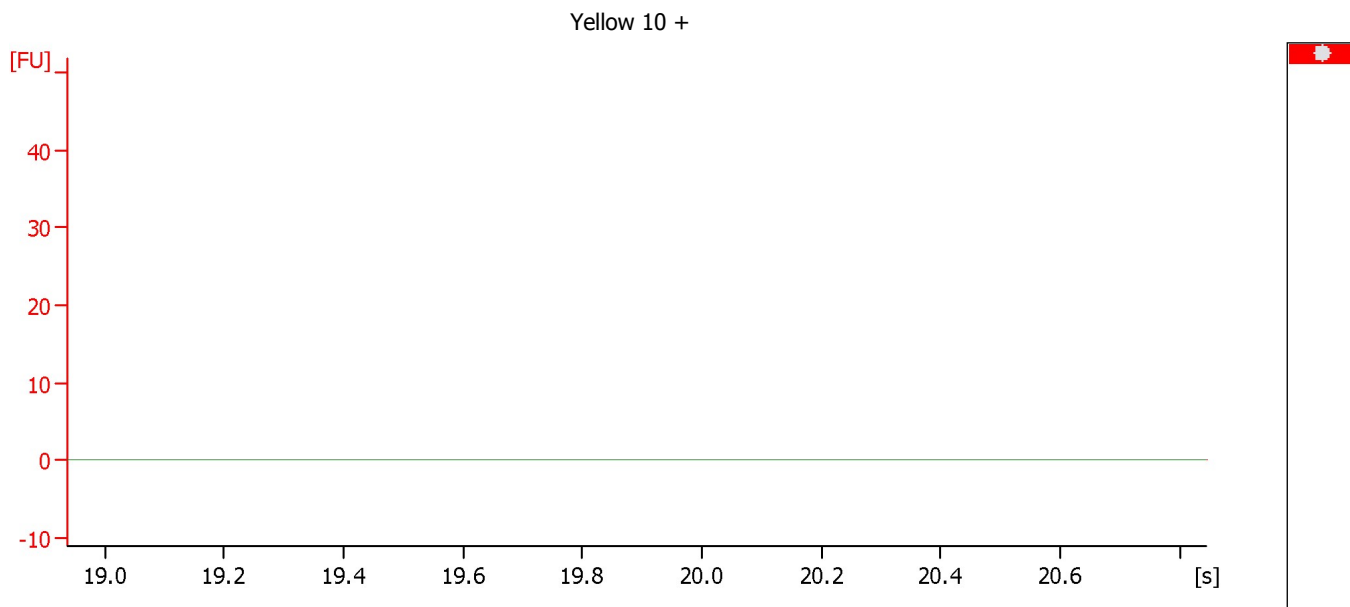
Polynomial Order : 4

### 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:\...Eukaryote Total RNA Nano\_DE34903145\_2013-05-01\_12-20-16.xad

Created: 5/1/2013 12:20:15 PM  
Modified: 5/1/2013 12:44:46 PM

**Electropherogram Summary****Overall Results for sample 1 : Yellow 10 +**

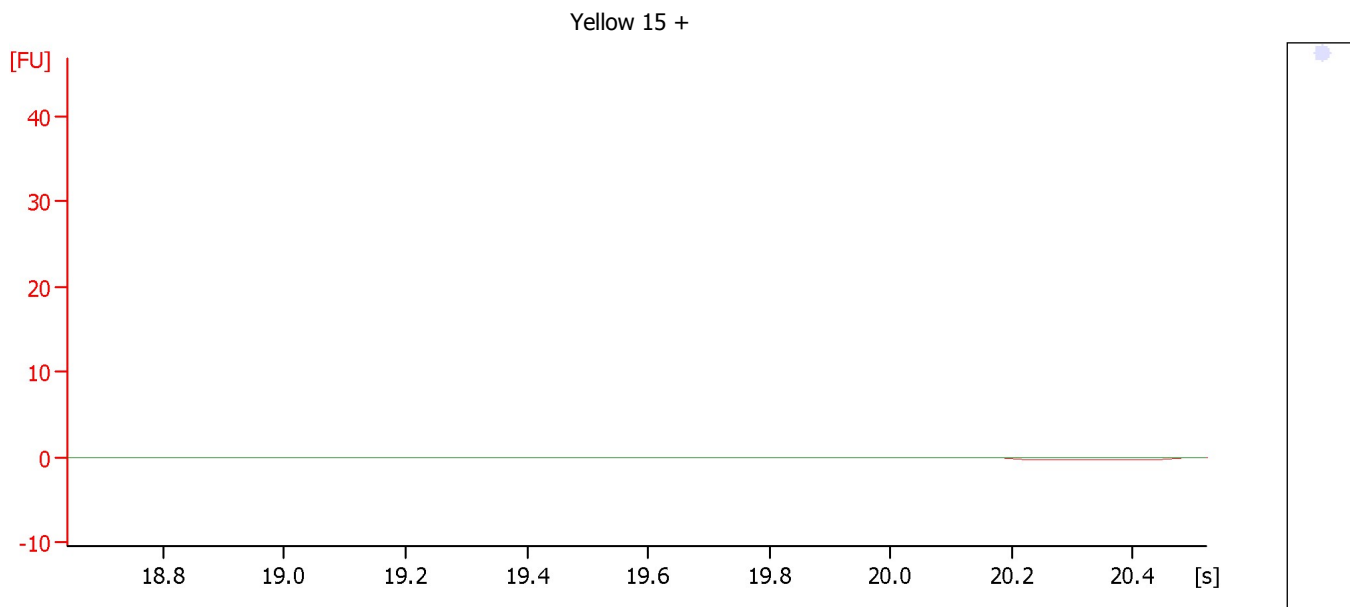
RNA Area:	459.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	275 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 1 : Yellow 10 +**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.31	43.18	109.1	23.7
28S	48.38	49.71	1.0	0.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE34903145\_2013-05-01\_12-20-16.xad

Created: 5/1/2013 12:20:15 PM  
Modified: 5/1/2013 12:44:46 PM

**Electropherogram Summary Continued ...****Overall Results for sample 2 : Yellow 15 +**

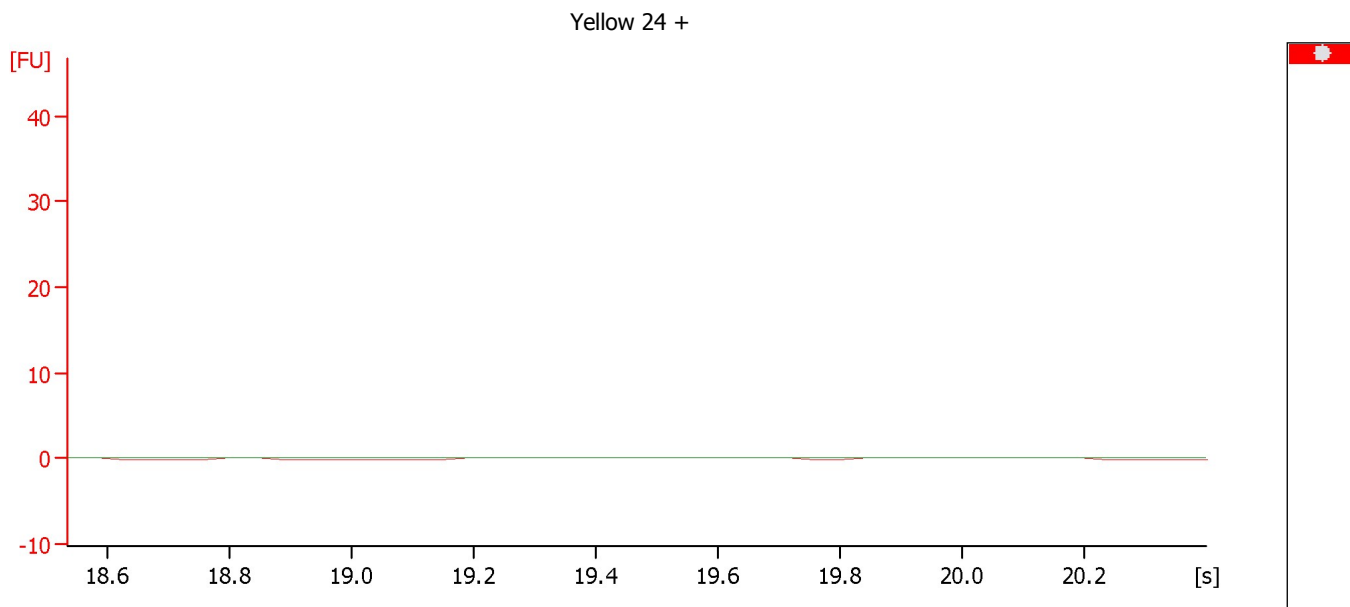
RNA Area:	486.0	RNA Integrity Number (RIN):	6.4 (B.02.08)
RNA Concentration:	290 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; border: 1px solid black; width: 30px; height: 15px;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.40


**Fragment table for sample 2 : Yellow 15 +**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.37	43.16	90.0	18.5
28S	46.84	47.71	0.6	0.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE34903145\_2013-05-01\_12-20-16.xad

Created: 5/1/2013 12:20:15 PM  
Modified: 5/1/2013 12:44:46 PM

**Electropherogram Summary Continued ...****Overall Results for sample 3 : Yellow 24 +**

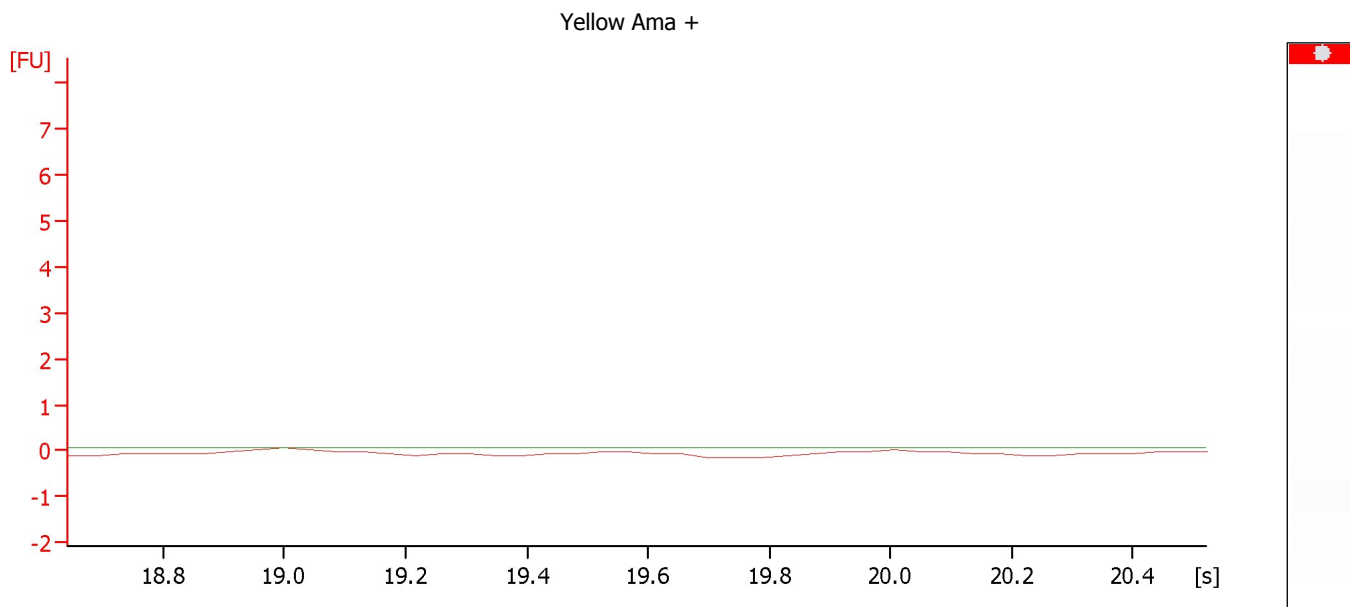
RNA Area:	432.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	258 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A


**Fragment table for sample 3 : Yellow 24 +**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.34	43.22	94.8	21.9
28S	46.87	47.83	0.7	0.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE34903145\_2013-05-01\_12-20-16.xad

Created: 5/1/2013 12:20:15 PM  
Modified: 5/1/2013 12:44:46 PM

**Electropherogram Summary Continued ...****Overall Results for sample 4 : Yellow Ama +**

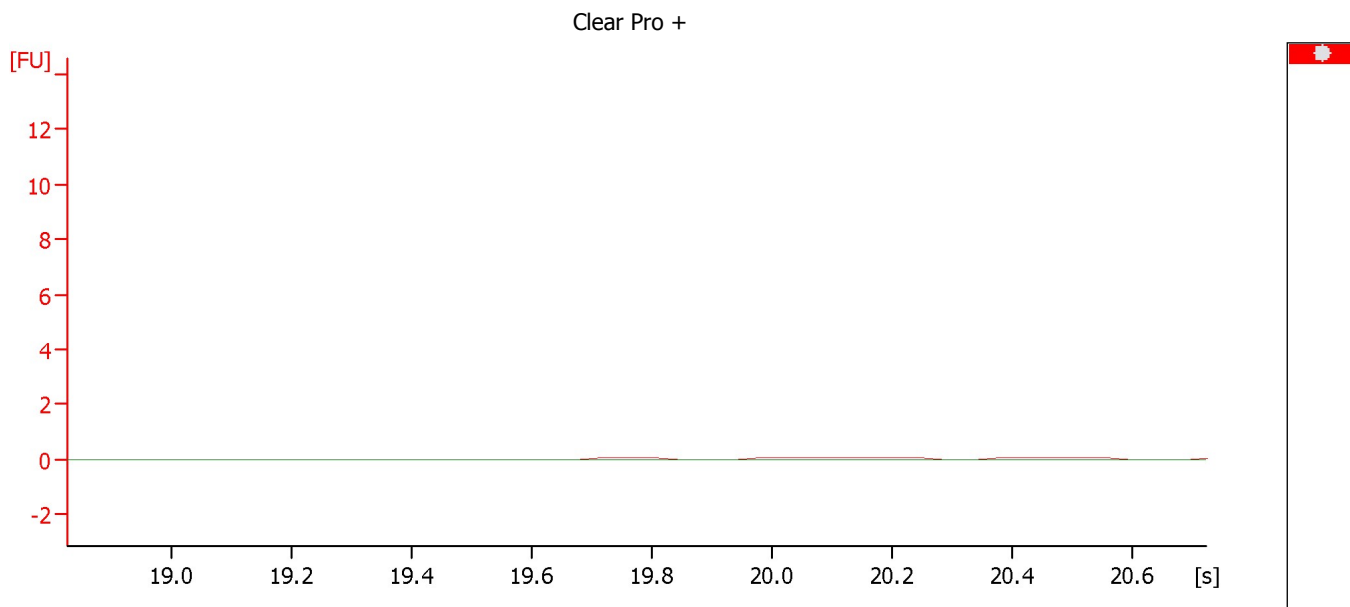
RNA Area:	57.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	34 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 4 : Yellow Ama +**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.50	43.25	14.6	25.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE34903145\_2013-05-01\_12-20-16.xad

Created: 5/1/2013 12:20:15 PM  
Modified: 5/1/2013 12:44:46 PM

**Electropherogram Summary Continued ...****Overall Results for sample 5 : Clear Pro +**

RNA Area:	115.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	69 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

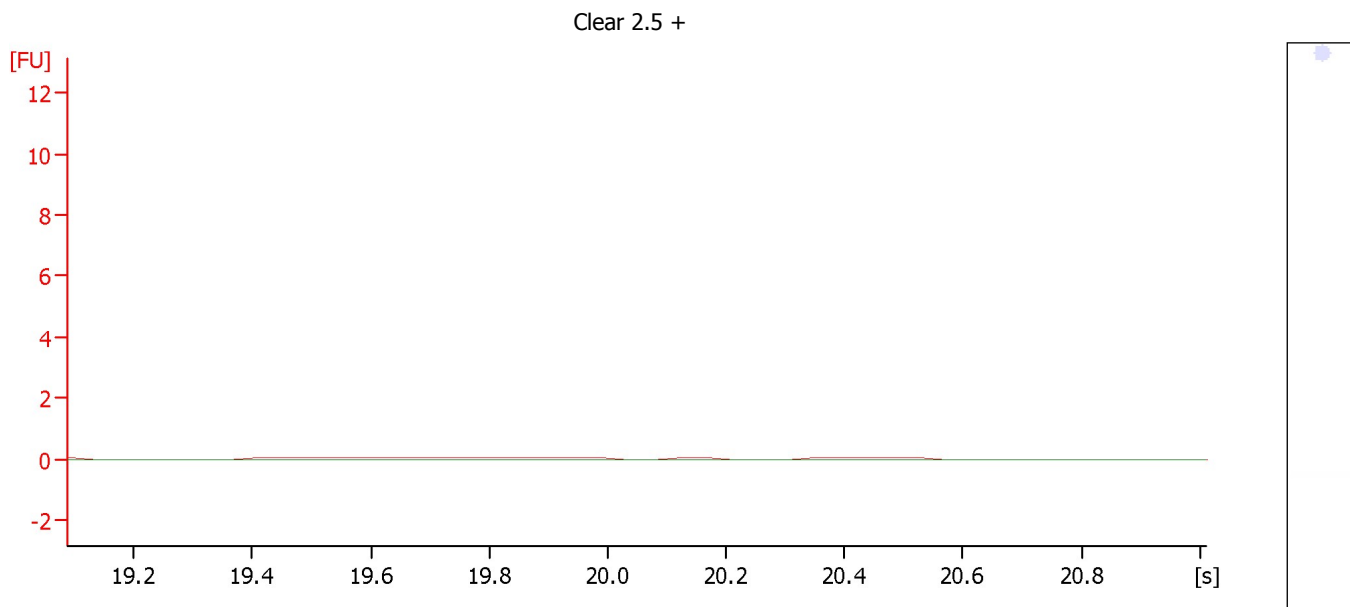
**Fragment table for sample 5 : Clear Pro +**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.29	43.06	24.4	21.1
28S	46.46	47.39	0.3	0.2



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE34903145\_2013-05-01\_12-20-16.xad

Created: 5/1/2013 12:20:15 PM  
Modified: 5/1/2013 12:44:46 PM

**Electropherogram Summary Continued ...****Overall Results for sample 6 : Clear 2.5 +**

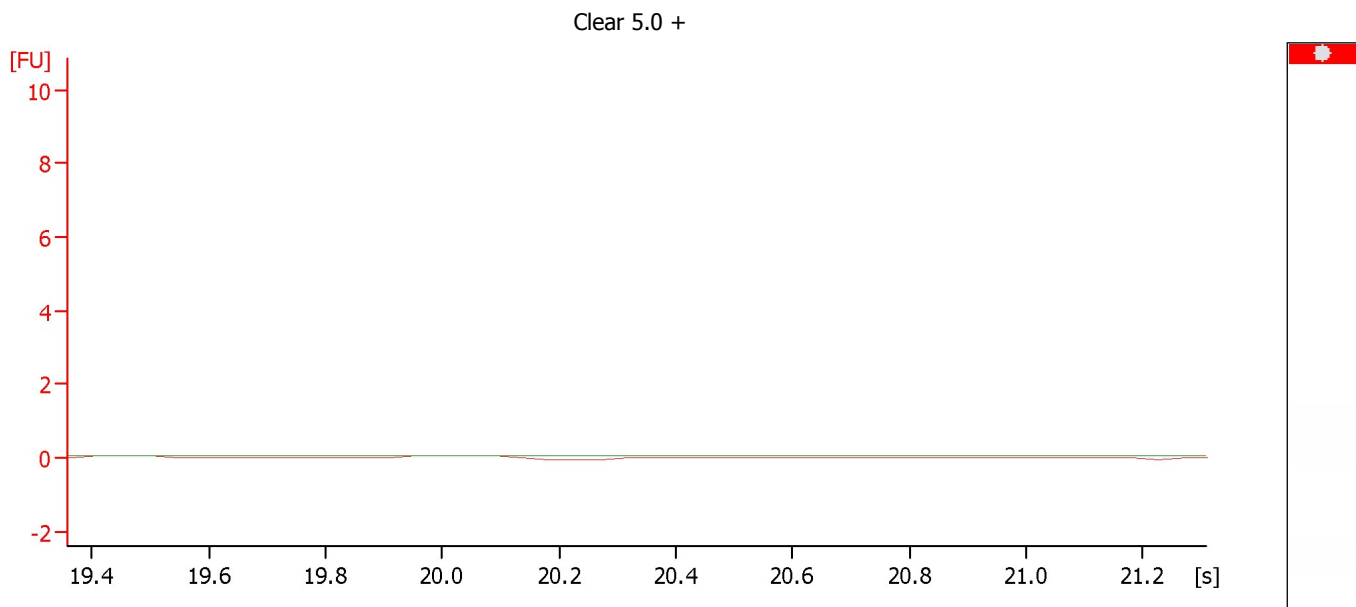
RNA Area:	111.4	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	67 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.80

**Fragment table for sample 6 : Clear 2.5 +**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.19	42.98	22.2	20.0
28S	48.14	48.68	0.1	0.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE34903145\_2013-05-01\_12-20-16.xad

Created: 5/1/2013 12:20:15 PM  
Modified: 5/1/2013 12:44:46 PM

**Electropherogram Summary Continued ...****Overall Results for sample 7 : Clear 5.0 +**

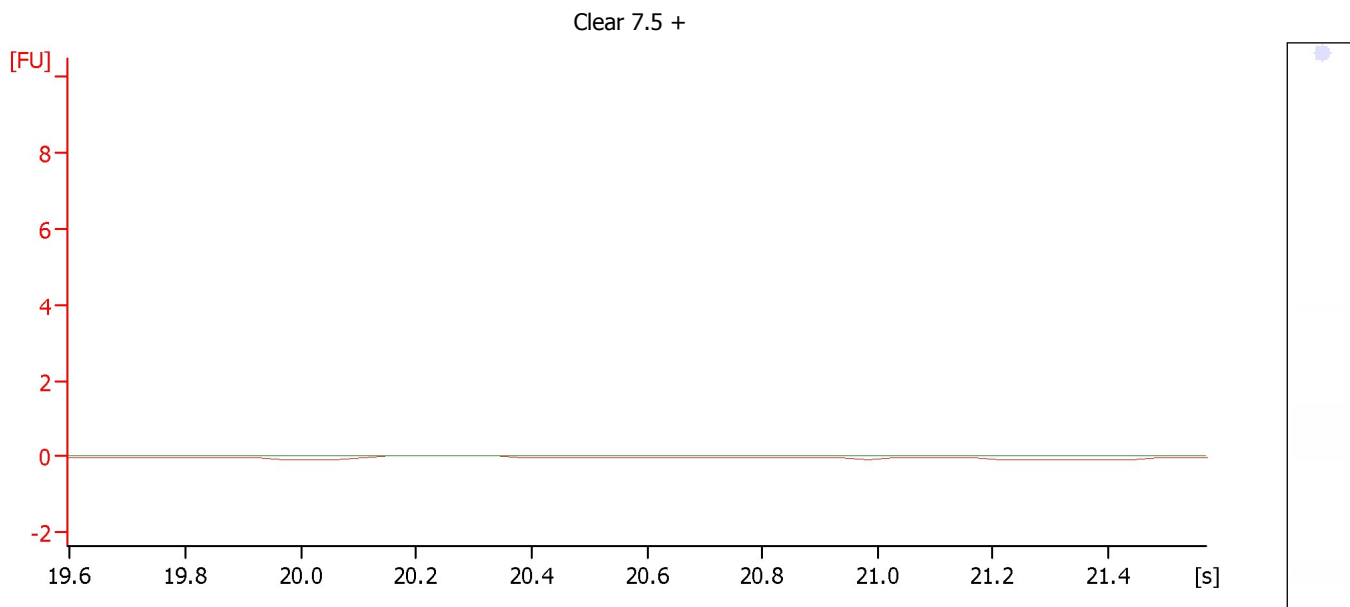
RNA Area:	86.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	52 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 7 : Clear 5.0 +**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.09	42.86	19.9	23.0

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE34903145\_2013-05-01\_12-20-16.xad

Created: 5/1/2013 12:20:15 PM  
Modified: 5/1/2013 12:44:46 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : Clear 7.5 +**

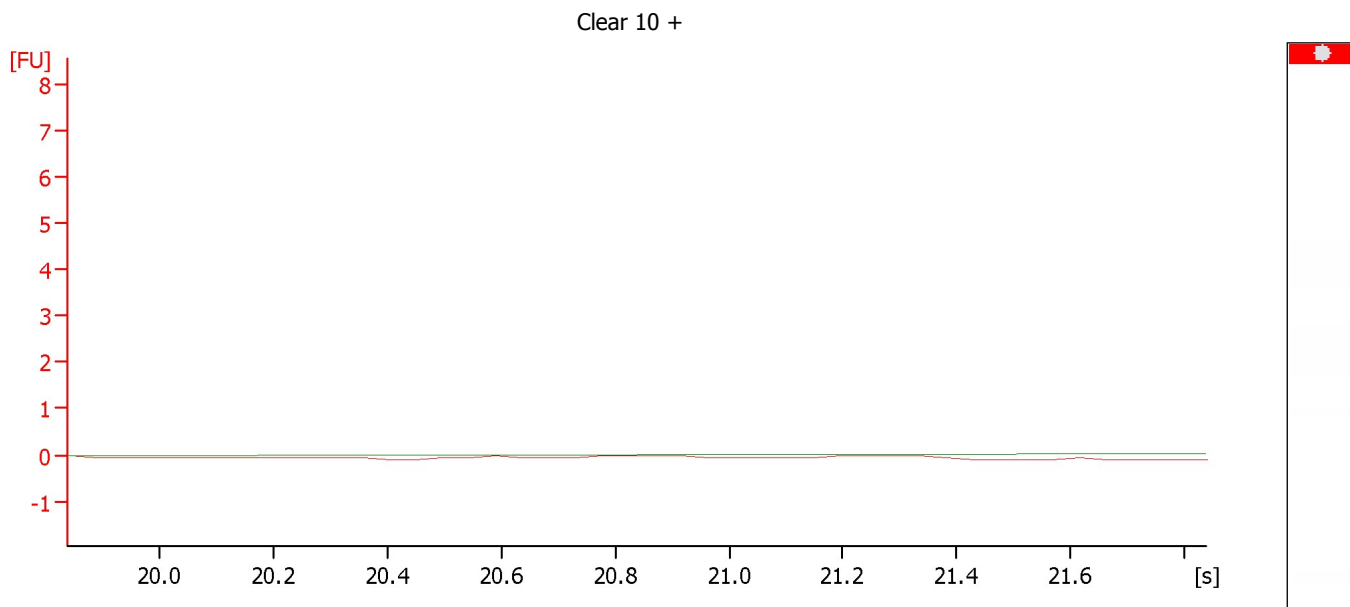
RNA Area:	98.2	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	59 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.90


**Fragment table for sample 8 : Clear 7.5 +**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.04	42.79	19.4	19.8

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE34903145\_2013-05-01\_12-20-16.xad

Created: 5/1/2013 12:20:15 PM  
Modified: 5/1/2013 12:44:46 PM

**Electropherogram Summary Continued ...****Overall Results for sample 9 : Clear 10 +**

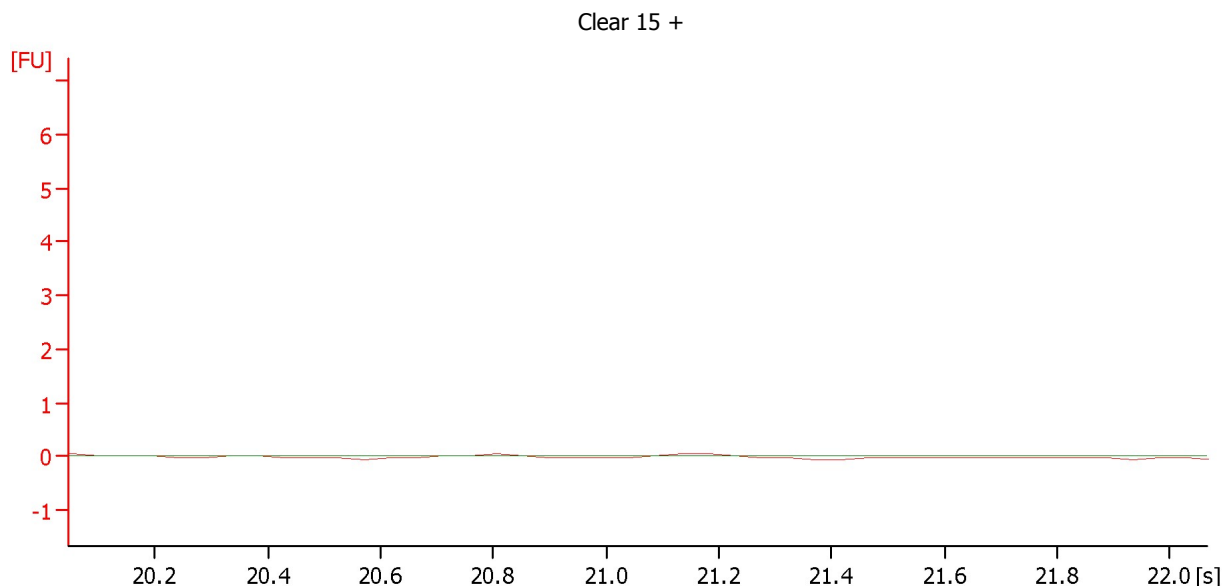
RNA Area:	78.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	47 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 9 : Clear 10 +**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.99	42.81	16.9	21.6

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE34903145\_2013-05-01\_12-20-16.xad

Created: 5/1/2013 12:20:15 PM  
Modified: 5/1/2013 12:44:46 PM

**Electropherogram Summary Continued ...****Overall Results for sample 10 : Clear 15 +**

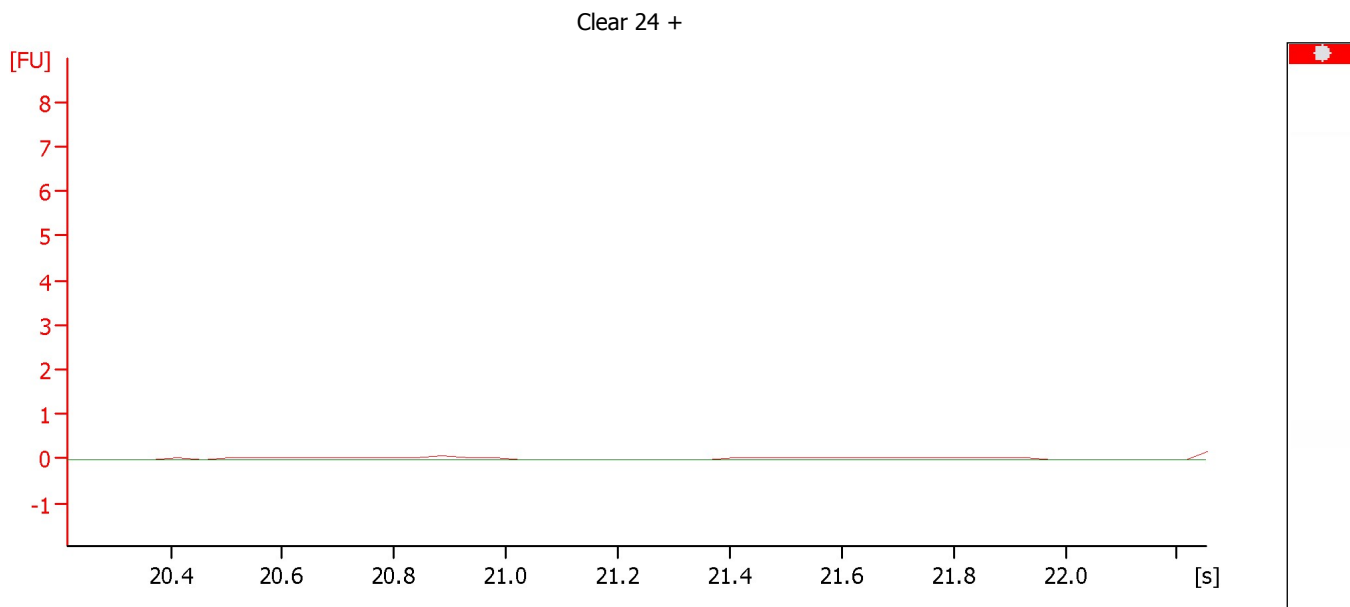
RNA Area:	82.0	RNA Integrity Number (RIN):	6.5 (B.02.08)
RNA Concentration:	49 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.50

**Fragment table for sample 10 : Clear 15 +**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.95	42.60	13.5	16.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE34903145\_2013-05-01\_12-20-16.xad

Created: 5/1/2013 12:20:15 PM  
Modified: 5/1/2013 12:44:46 PM

**Electropherogram Summary Continued ...****Overall Results for sample 11 : Clear 24 +**

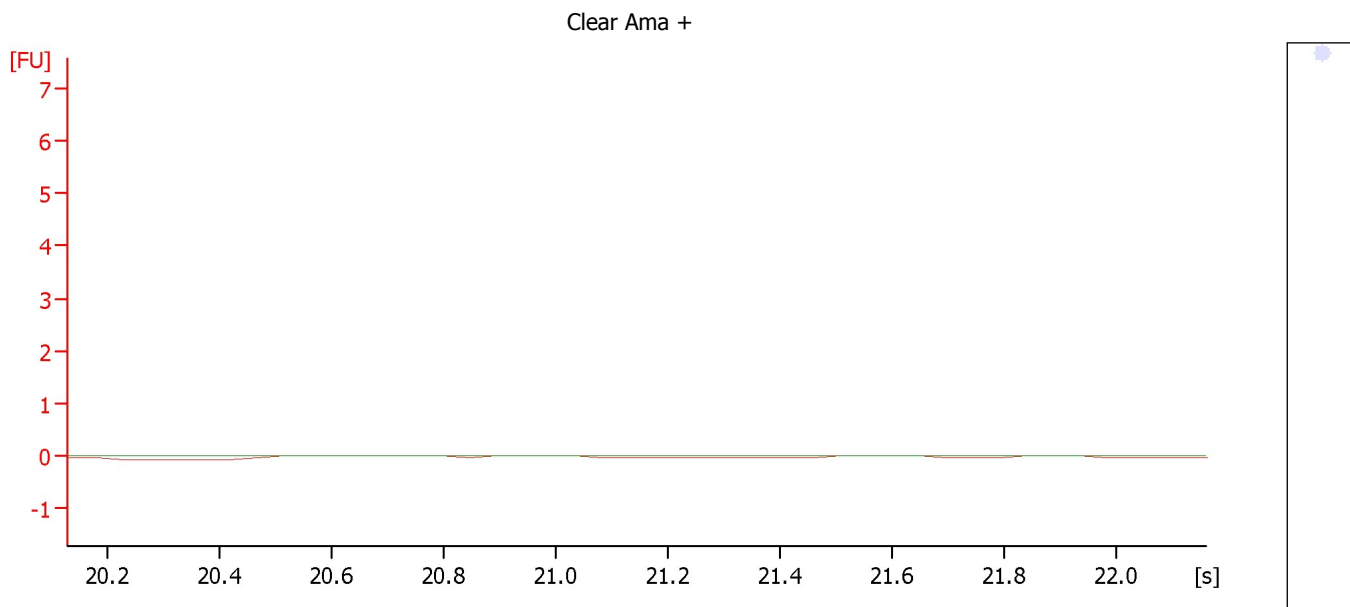
RNA Area:	77.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	46 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 11 : Clear 24 +**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.11	42.77	15.1	19.6

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE34903145\_2013-05-01\_12-20-16.xad

Created: 5/1/2013 12:20:15 PM  
Modified: 5/1/2013 12:44:46 PM

**Electropherogram Summary Continued ...****Overall Results for sample 12 : Clear Ama +**

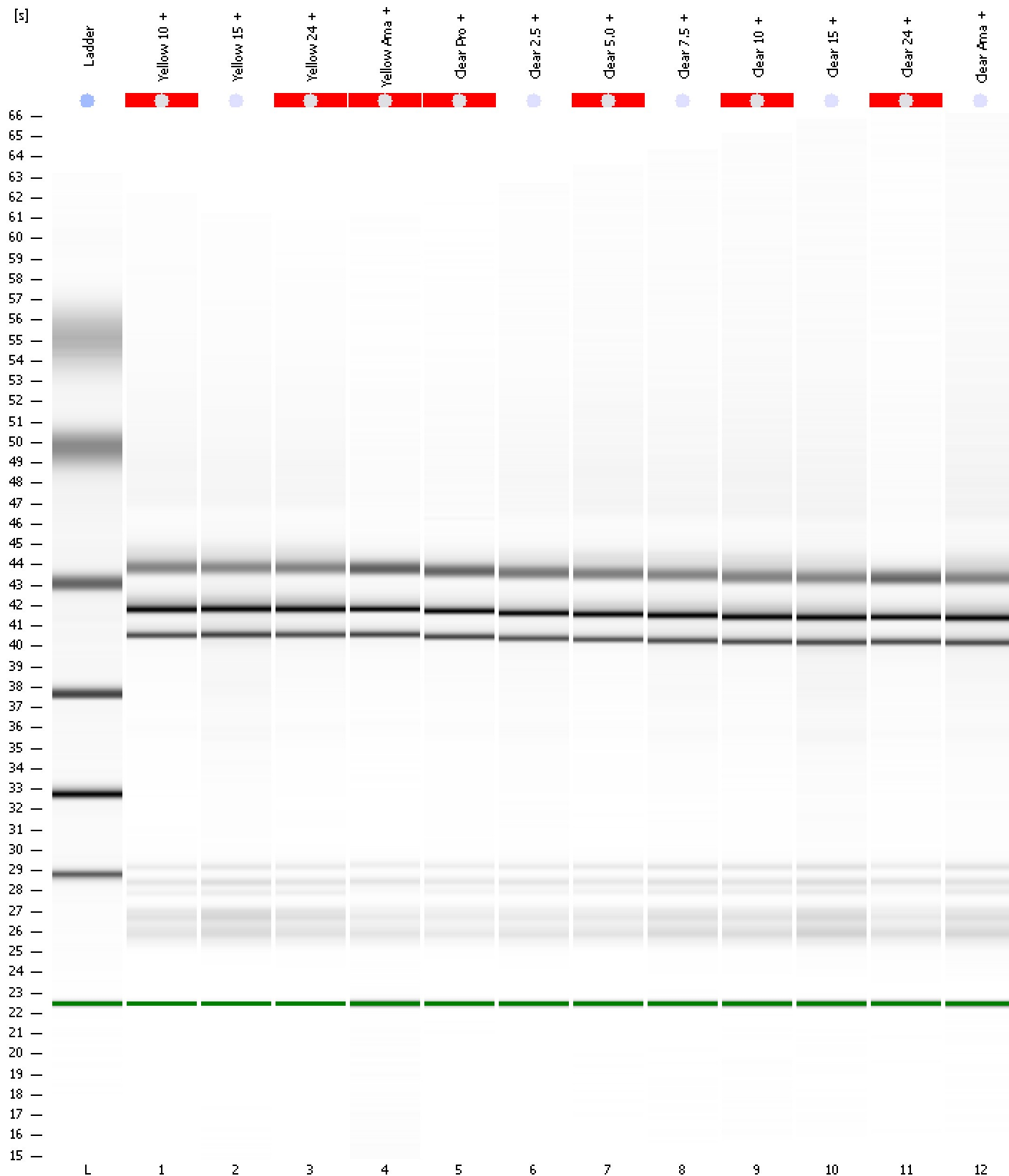
RNA Area:	80.1	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	48 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.80

**Fragment table for sample 12 : Clear Ama +**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.93	42.68	14.5	18.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE34903145\_2013-05-01\_12-20-16.xad

Created: 5/1/2013 12:20:15 PM  
Modified: 5/1/2013 12:44:46 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE34903145\_2013-05-01\_12-20-16.xad

Created: 5/1/2013 12:20:15 PM  
Modified: 5/1/2013 12:44:46 PM

## Curves

### Standard Curve

