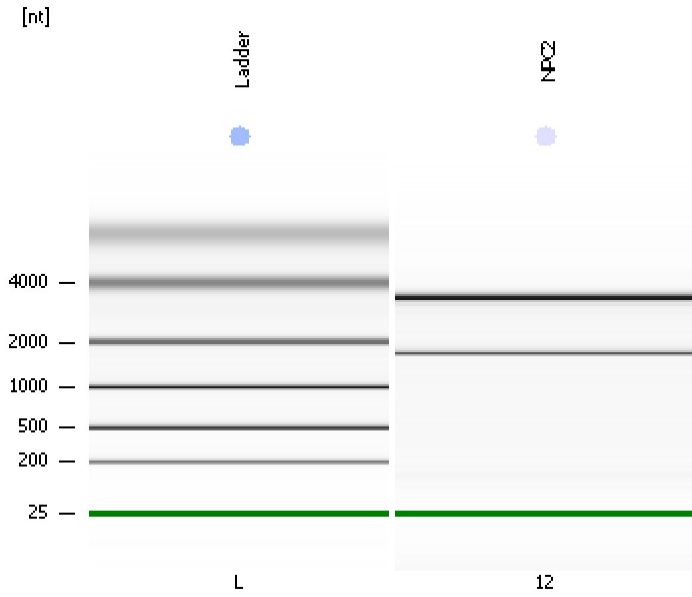


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ttings\Bioanalyzer\2015-10-19\2015-10-19\_001\_QC046\_NPC2.xad

Created: 10/19/2015 10:33:05 AM  
Modified: 10/19/2015 11:46:21 AM

**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)

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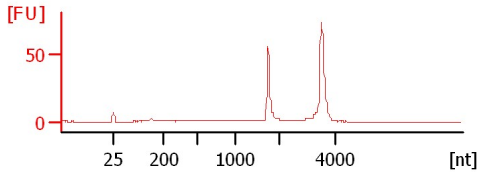
Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

QC\_046  
RIN:9



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ttings\Bioanalyzer\2015-10-19\2015-10-19\_001\_QC046\_NPC2.xad

Created: 10/19/2015 10:33:05 AM  
Modified: 10/19/2015 11:46:21 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
NPC2	QC_046	✓	RIN:9	
Ladder		✓	All Other Samples	

**Chip Lot #** **Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ttings\Bioanalyzer\2015-10-19\2015-10-19\_001\_QC046\_NPC2.xad

Created: 10/19/2015 10:33:05 AM  
Modified: 10/19/2015 11:46:21 AM

**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

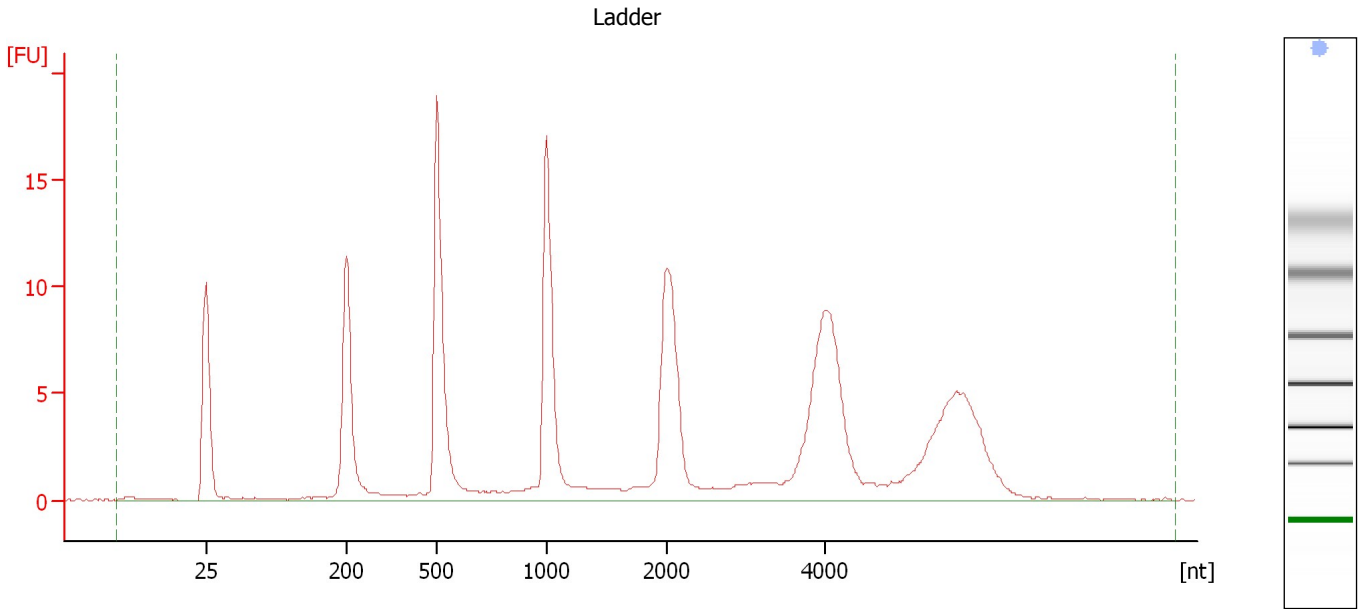
**Ladder**

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ttings\Bioanalyzer\2015-10-19\2015-10-19\_001\_QC046\_NPC2.xad

Created: 10/19/2015 10:33:05 AM  
Modified: 10/19/2015 11:46:21 AM

**Electropherogram Summary**



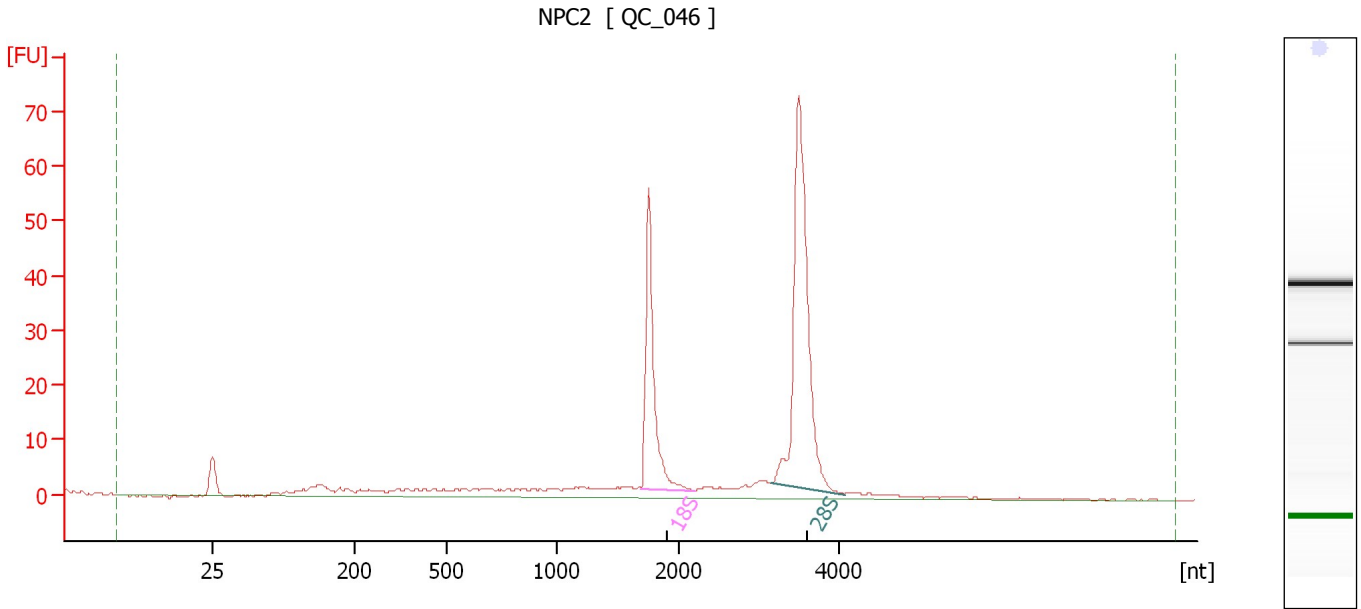
**Overall Results for Ladder**

RNA Area:	166.0	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/ $\mu$ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ttings\Bioanalyzer\2015-10-19\2015-10-19\_001\_QC046\_NPC2.xad

Created: 10/19/2015 10:33:05 AM  
 Modified: 10/19/2015 11:46:21 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : NPC2**

RNA Area:	269.0	RNA Integrity Number (RIN):	9 (B.02.08)
RNA Concentration:	243 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN:9

**Fragment table for sample 12 : NPC2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,689	2,180	52.9	19.7
28S	3,141	4,061	103.2	38.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ttings\Bioanalyzer\2015-10-19\2015-10-19\_001\_QC046\_NPC2.xad

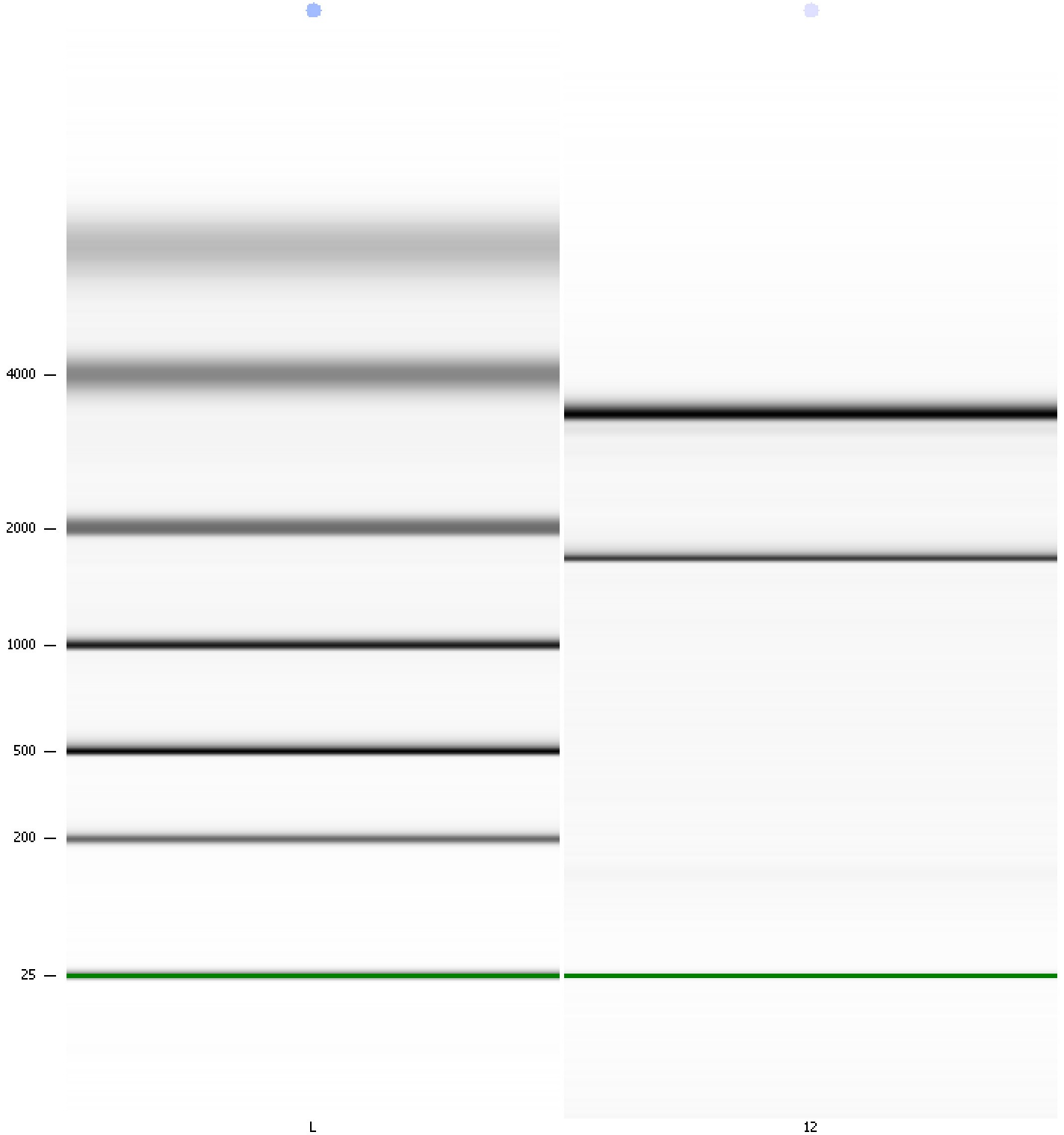
Created: 10/19/2015 10:33:05 AM  
Modified: 10/19/2015 11:46:21 AM

**Gel Image**

[nt]

Ladder

12

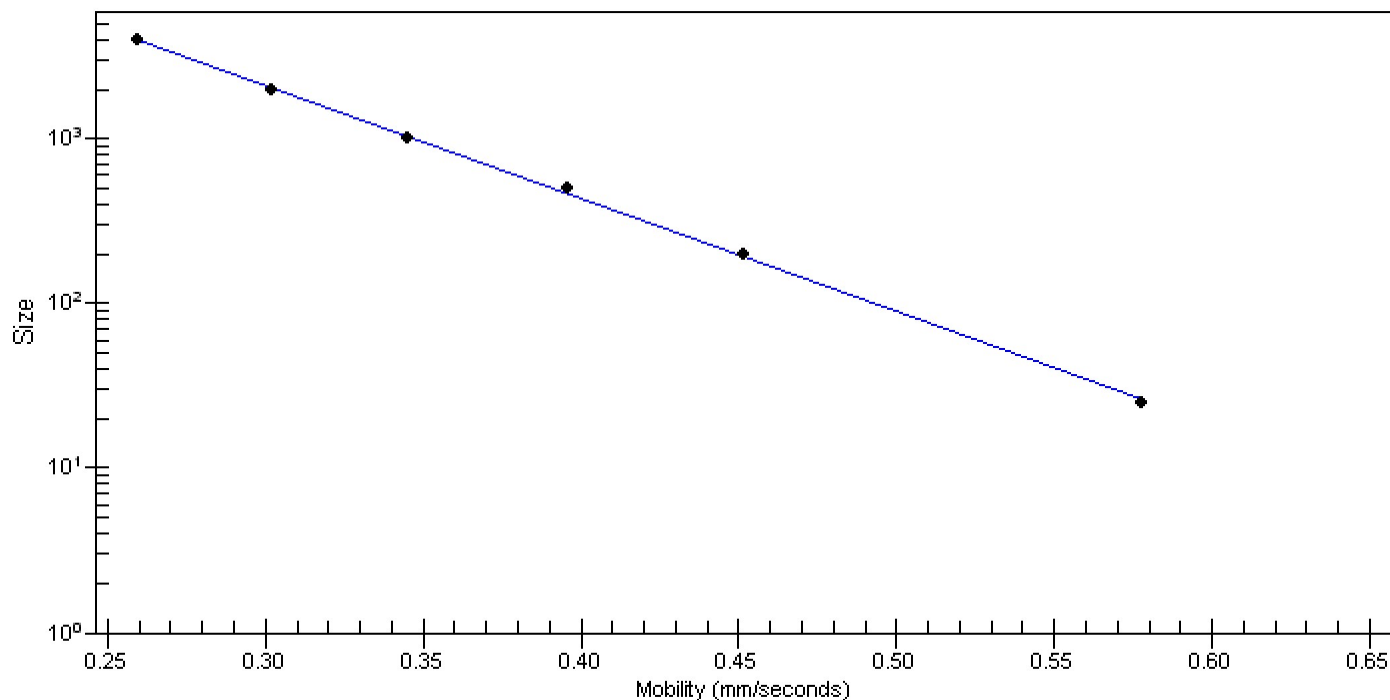


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ttings\Bioanalyzer\2015-10-19\2015-10-19\_001\_QC046\_NPC2.xad

Created: 10/19/2015 10:33:05 AM  
Modified: 10/19/2015 11:46:21 AM

**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ttings\Bioanalyzer\2015-10-19\2015-10-19\_001\_QC046\_NPC2.xad

Created: 10/19/2015 10:33:05 AM  
 Modified: 10/19/2015 11:46:21 AM

**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		10/19/2015 10:56:52 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-10-19\2015-10-19_001.xad)		Instrument	Run		10/19/2015 10:33:11 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		10/19/2015 10:33:11 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/19/2015 10:33:11 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/19/2015 10:33:11 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		10/19/2015 10:33:11 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/19/2015 10:33:11 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/19/2015 10:33:11 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1