

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...100 expert\data\2018-06-25\2018-06-25\_008\_Pedroza\_RNAQC.xad

Created: 6/25/2018 4:24:02 PM  
Modified: 6/25/2018 4:51:16 PM

**Electrophoresis File Run Summary**

Instrument Information:

Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

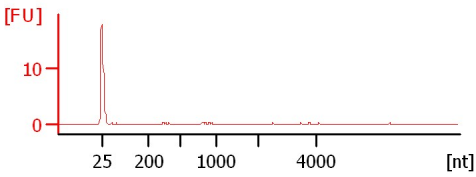
Assay Class: Eukaryote Total RNA Nano  
Version: 2.6  
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

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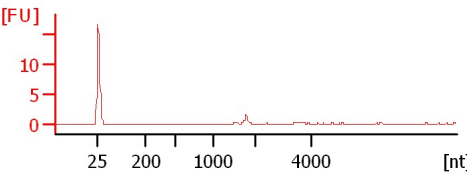
Chip Information:

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

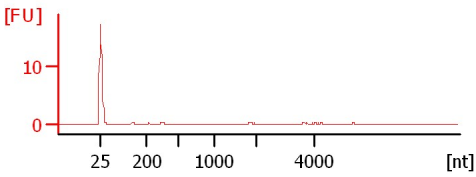
**Bio Vh-LG R5**  
Pedroza QC  
RIN:1



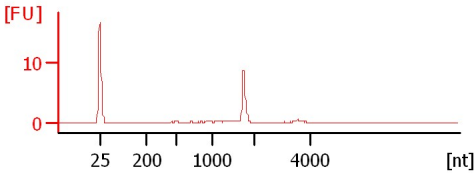
**Bio Vh-NG R5**  
Pedroza QC  
RIN: 7.70



**Bio NEFA+LG R5**  
Pedroza QC  
RIN N/A



**Bio NEFA+NG R5**  
Pedroza QC  
RIN N/A



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

Sample Name	Sample Comment	Status	Result Label	Result Color
Bio Vh-LG R5	Pedroza QC	✓	RIN:1	
Bio Vh-NG R5	Pedroza QC	✓	RIN: 7.70	
Bio NEFA+LG R5	Pedroza QC	✓	RIN N/A	
Bio NEFA+NG R5	Pedroza QC	✓	RIN N/A	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

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## 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/ $\mu$ l] : 150  
Lower Marker Concentration [ng/ $\mu$ l] : 0  
Upper Marker Concentration [ng/ $\mu$ 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

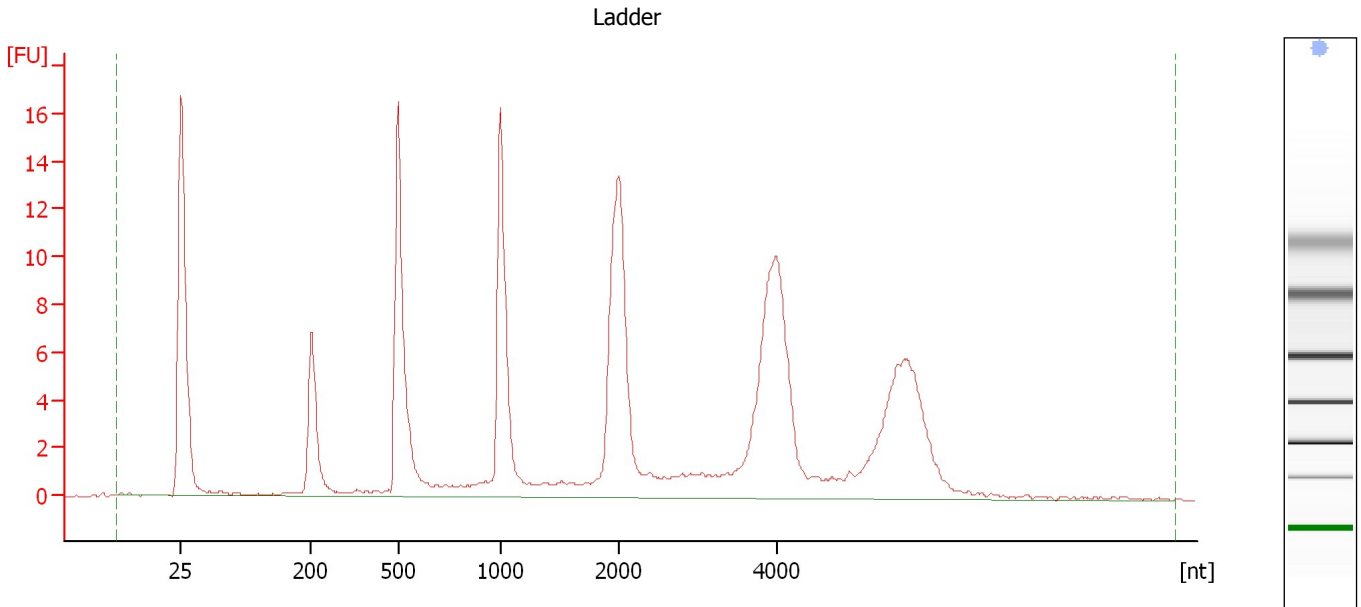
### Ladder

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

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**Electropherogram Summary**



**Overall Results for Ladder**

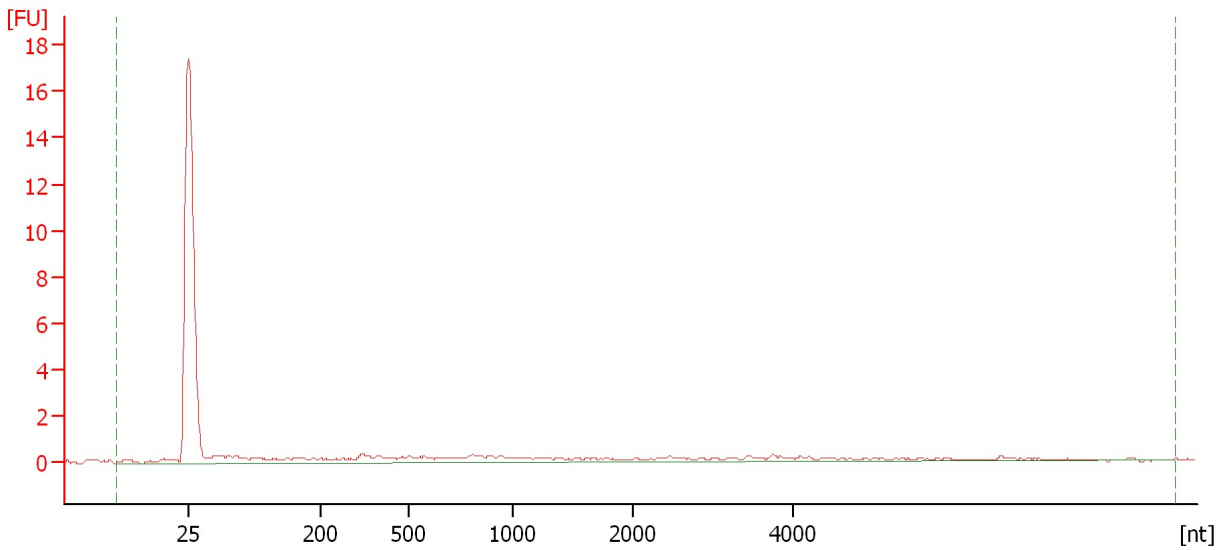
RNA Area:	164.0	Result Flagging Color:	<span style="background-color: blue; color: blue;"> </span>
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

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**Electropherogram Summary Continued ...**

Bio Vh-LG R5 [ Pedroza QC ]



**Overall Results for sample 6 : Bio Vh-LG R5**

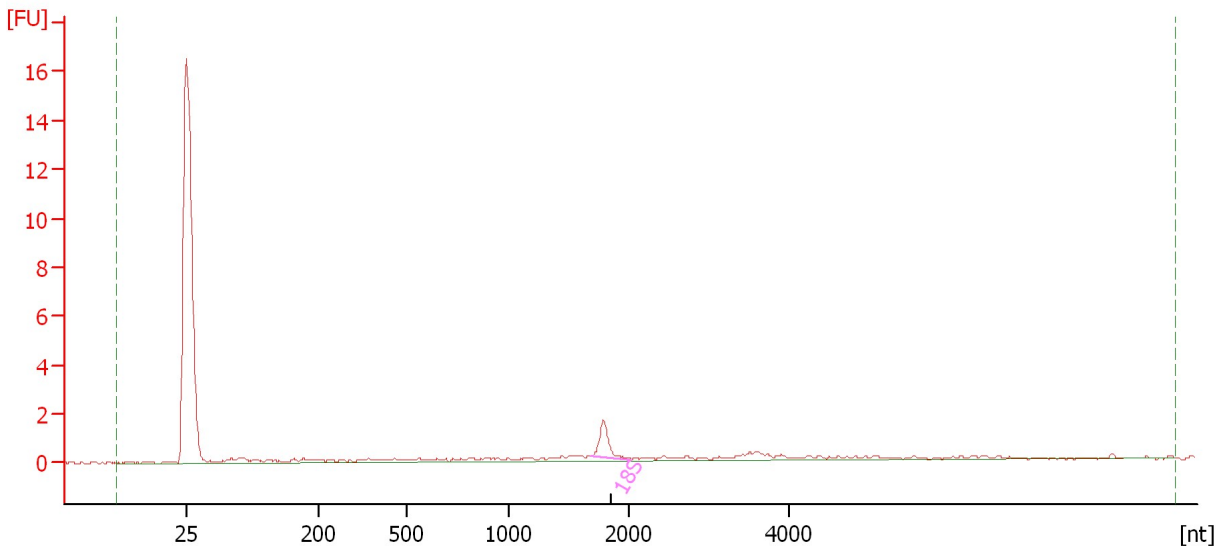
RNA Area:	14.6	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	13 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

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**Electropherogram Summary Continued ...**

Bio Vh-NG R5 [ Pedroza QC ]



**Overall Results for sample 7 : Bio Vh-NG R5**

RNA Area: 11.0      RNA Integrity Number (RIN): 7.7 (B.02.08)  
RNA Concentration: 10 ng/μl      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.0      Result Flagging Label: RIN: 7.70

**Fragment table for sample 7 : Bio Vh-NG R5**

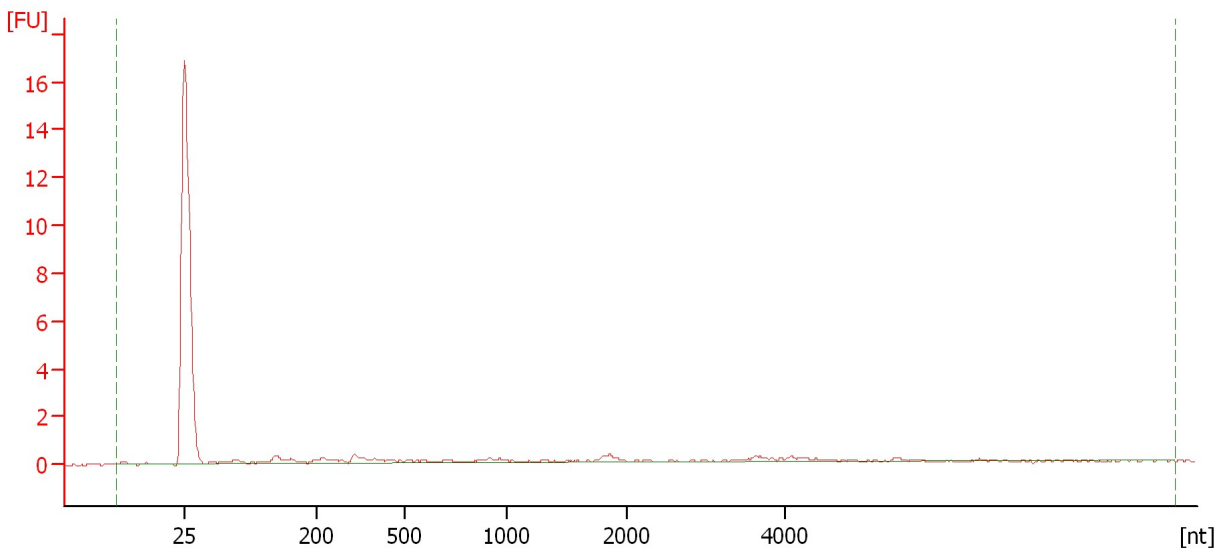
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,680	2,032	1.8	16.3

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**Electropherogram Summary Continued ...**

Bio NEFA+LG R5 [ Pedroza QC ]



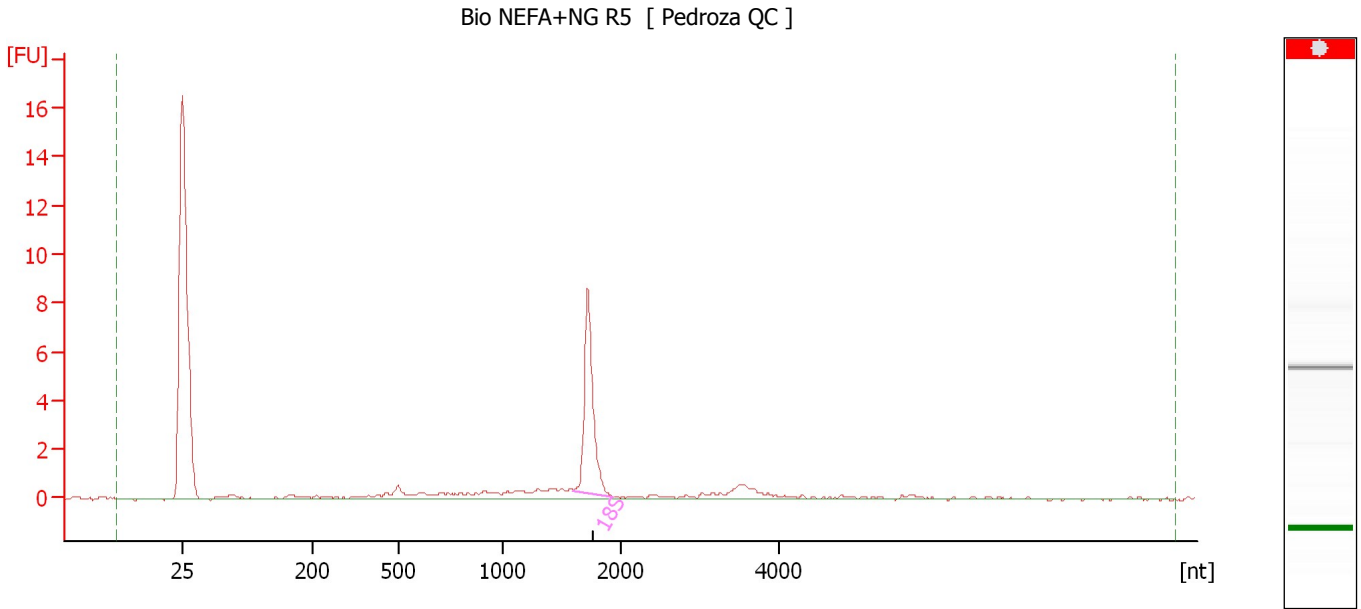
**Overall Results for sample 8 : Bio NEFA+LG R5**

RNA Area:	7.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	7 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : Bio NEFA+NG R5**

RNA Area:	23.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	22 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 9 : Bio NEFA+NG R5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,601	1,946	9.5	39.8



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**Gel Image**