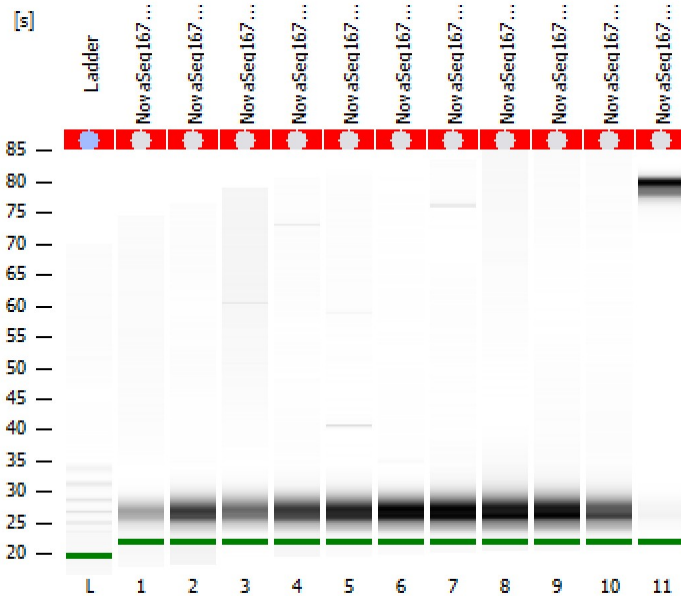


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...27\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-05-27\_001.xad

Created: 5/27/2020 4:10:22 PM  
Modified: 5/27/2020 4:35:55 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

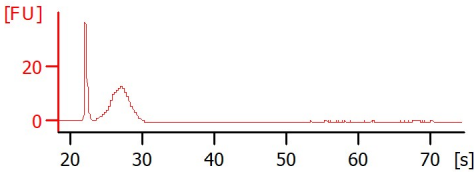
Assay Information:

Assay Origin Path: C:\Program Files (x86)\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)  
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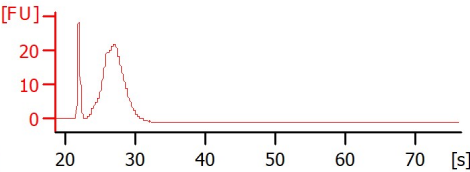
Chip Information:

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

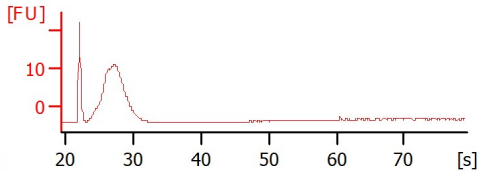
**NovaSeq167-4 BC DNA soni with Zymo cl...**  
RIN N/A



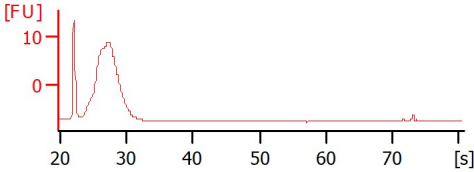
**NovaSeq167-5 BC DNA soni with Zymo cl...**  
RIN N/A



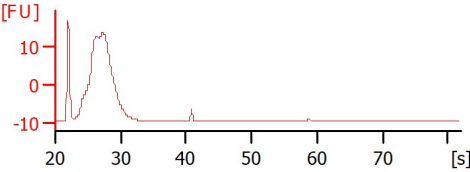
**NovaSeq167-6 BC DNA soni with Zymo cl...**  
RIN N/A



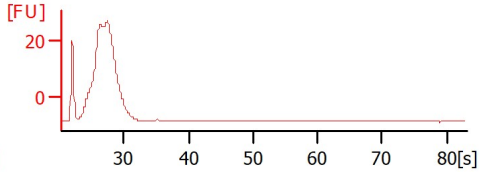
**NovaSeq167-7 BC DNA soni with Zymo cl...**  
RIN N/A



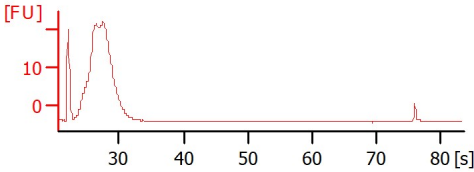
**NovaSeq167-8 BC DNA soni with Zymo cl...**  
RIN N/A



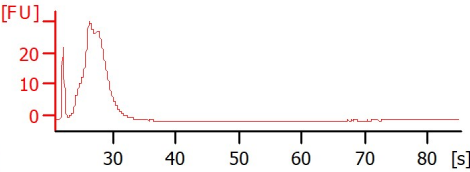
**NovaSeq167-9 BC DNA soni with Zymo cl...**  
RIN N/A



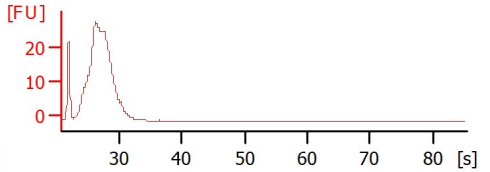
**NovaSeq167-10 BC DNA soni with Zymo c...**  
RIN N/A



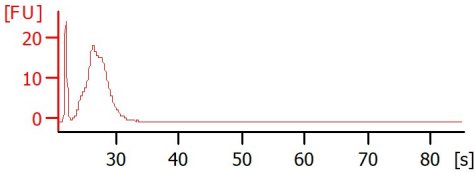
**NovaSeq167-11 BC DNA soni with Zymo c...**  
RIN N/A



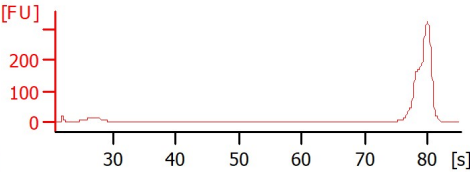
**NovaSeq167-12 BC DNA soni with Zymo c...**  
RIN N/A



**NovaSeq167-13 BC DNA soni with Zymo c...**  
RIN N/A



**NovaSeq167-15 BC DNA soni with Zymo c...**  
RIN N/A



Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...27\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-05-27\_001.xad

Created: 5/27/2020 4:10:22 PM  
Modified: 5/27/2020 4:35:55 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
NovaSeq167-4 BC DNA soni with Zymo cleanup		✓	RIN N/A	
NovaSeq167-5 BC DNA soni with Zymo cleanup		✓	RIN N/A	
NovaSeq167-6 BC DNA soni with Zymo cleanup		✓	RIN N/A	
NovaSeq167-7 BC DNA soni with Zymo cleanup		✓	RIN N/A	
NovaSeq167-8 BC DNA soni with Zymo cleanup		✓	RIN N/A	
NovaSeq167-9 BC DNA soni with Zymo cleanup		✓	RIN N/A	
NovaSeq167-10 BC DNA soni with Zymo cleanup		✓	RIN N/A	
NovaSeq167-11 BC DNA soni with Zymo cleanup		✓	RIN N/A	
NovaSeq167-12 BC DNA soni with Zymo cleanup		✓	RIN N/A	
NovaSeq167-13 BC DNA soni with Zymo cleanup		✓	RIN N/A	
NovaSeq167-15 BC DNA soni with Zymo cleanup		✓	RIN N/A	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...27\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-05-27\_001.xad

Created: 5/27/2020 4:10:22 PM  
 Modified: 5/27/2020 4:35:55 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/μl] : 1000  
 Lower Marker Concentration [pg/μl] : 0  
 Upper Marker Concentration [pg/μl] : 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

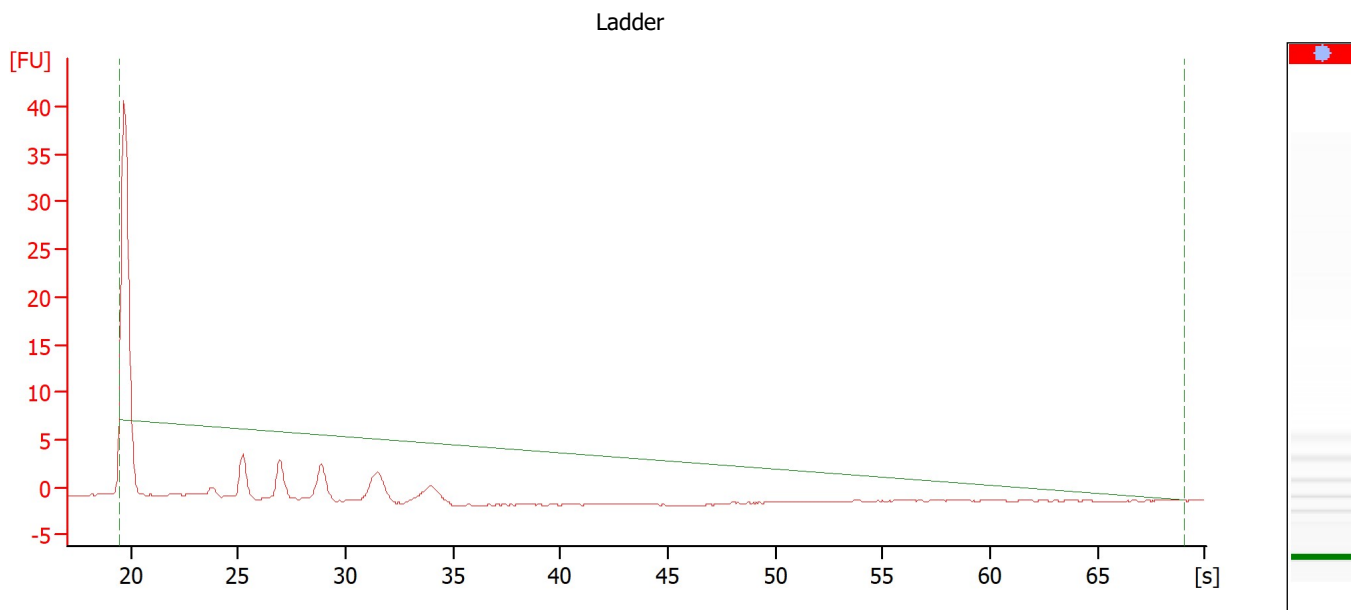
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...27\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-05-27\_001.xad

Created: 5/27/2020 4:10:22 PM  
Modified: 5/27/2020 4:35:55 PM

**Electropherogram Summary**



**Overall Results for Ladder**

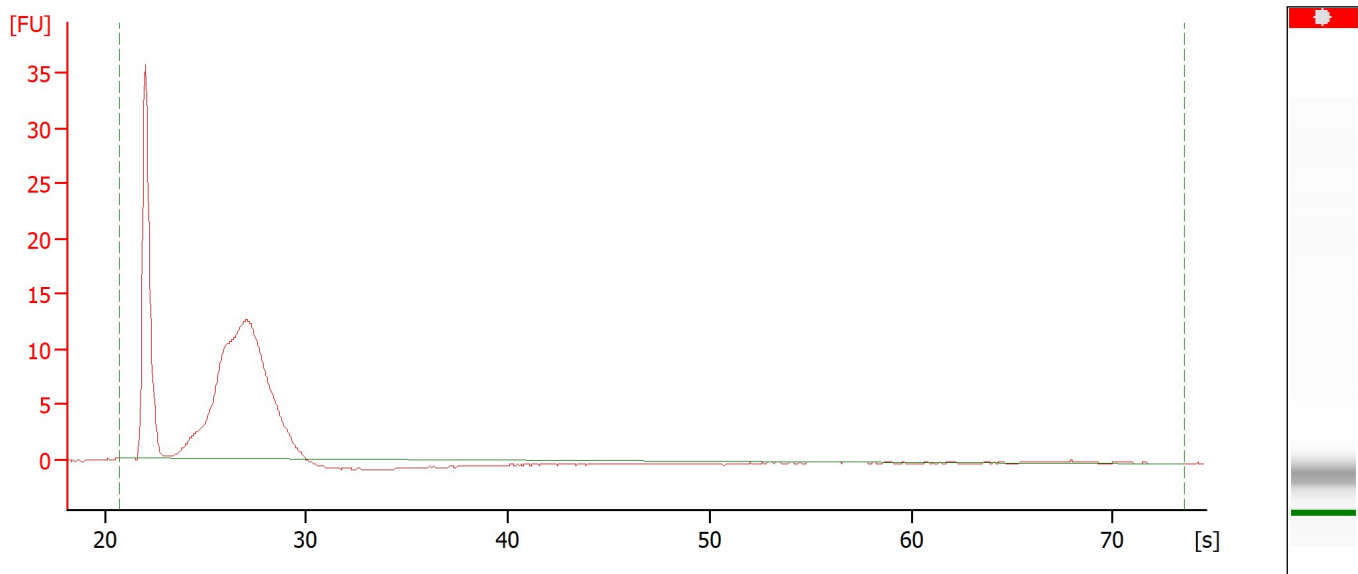
RNA Area:	-3.1	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...27\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-05-27\_001.xad

Created: 5/27/2020 4:10:22 PM  
Modified: 5/27/2020 4:35:55 PM

**Electropherogram Summary Continued ...**

NovaSeq167-4 BC DNA soni with Zymo cleanup



**Overall Results for sample 1 : NovaSeq167-4 BC DNA soni with Zymo cleanup**

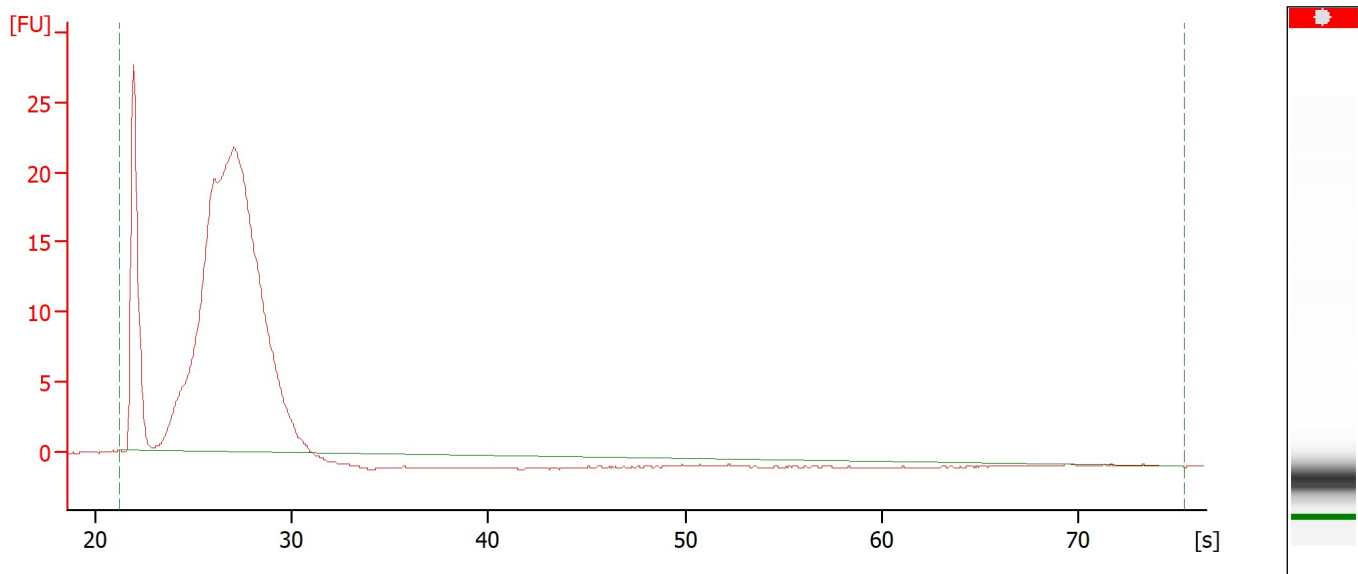
RNA Area: 0.0 Result Flagging Label: RIN N/A  
Result Flagging Color:

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...27\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-05-27\_001.xad

Created: 5/27/2020 4:10:22 PM  
Modified: 5/27/2020 4:35:55 PM

**Electropherogram Summary Continued ...**

NovaSeq167-5 BC DNA soni with Zymo cleanup



**Overall Results for sample 2 : NovaSeq167-5 BC DNA soni with Zymo cleanup**

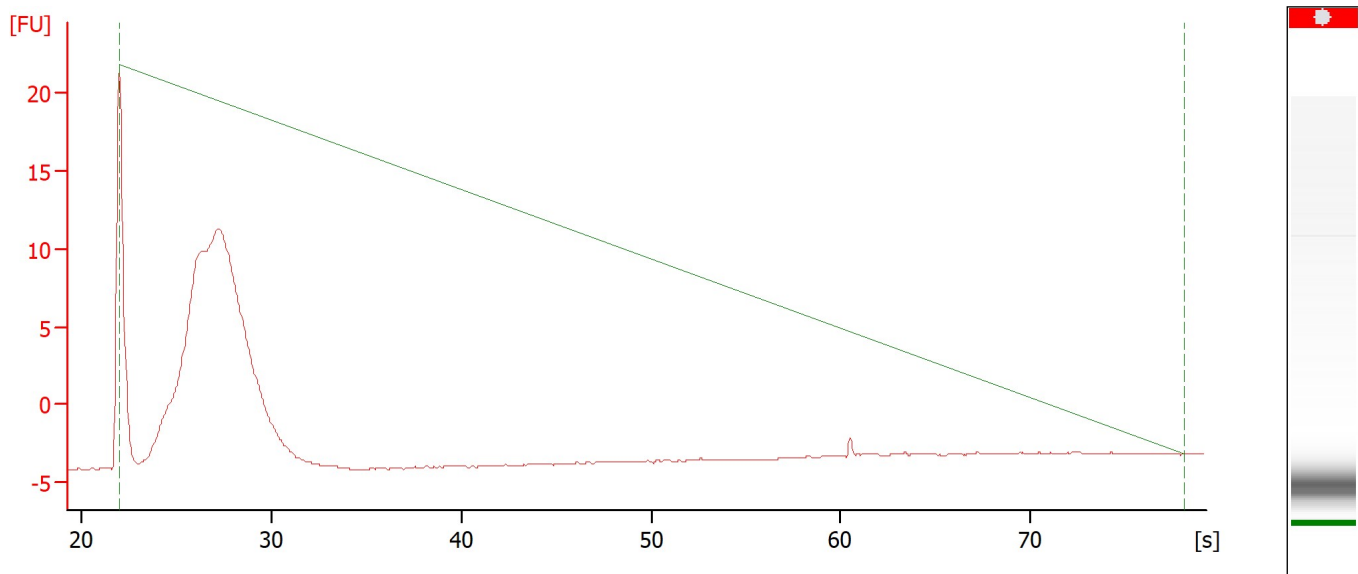
RNA Area: 0.0 Result Flagging Label: RIN N/A  
Result Flagging Color:

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...27\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-05-27\_001.xad

Created: 5/27/2020 4:10:22 PM  
Modified: 5/27/2020 4:35:55 PM

**Electropherogram Summary Continued ...**

NovaSeq167-6 BC DNA soni with Zymo cleanup



**Overall Results for sample 3 : NovaSeq167-6 BC DNA soni with Zymo cleanup**

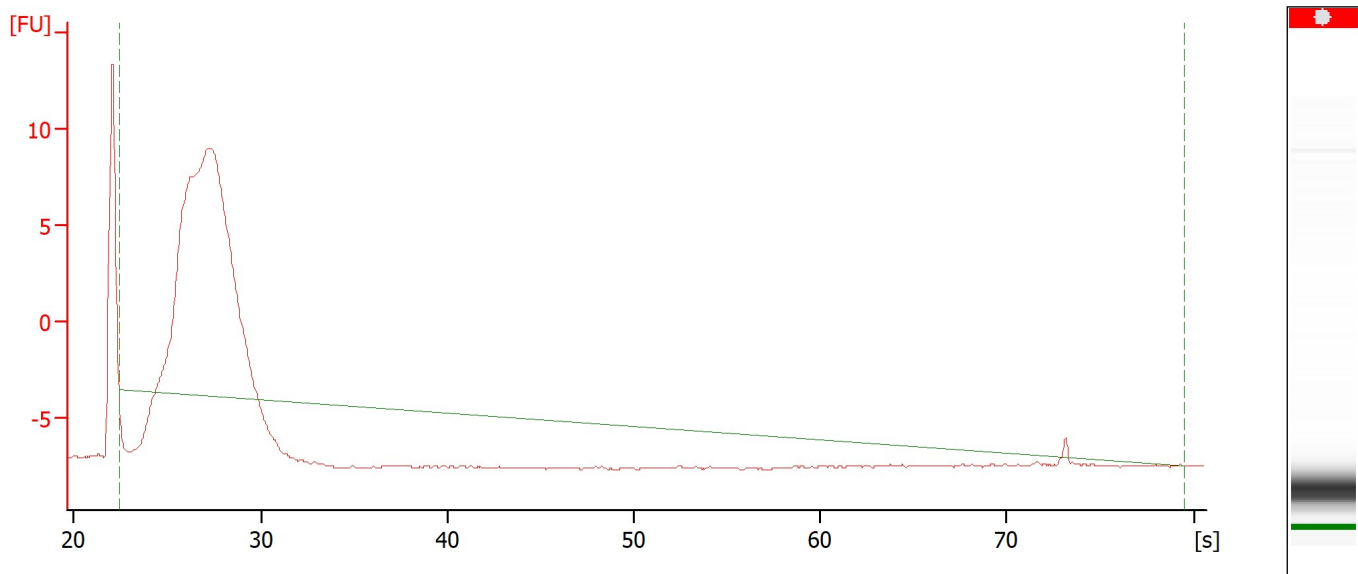
RNA Area: 0.0 Result Flagging Label: RIN N/A  
Result Flagging Color:

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...27\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-05-27\_001.xad

Created: 5/27/2020 4:10:22 PM  
Modified: 5/27/2020 4:35:55 PM

**Electropherogram Summary Continued ...**

NovaSeq167-7 BC DNA soni with Zymo cleanup



**Overall Results for sample 4 : NovaSeq167-7 BC DNA soni with Zymo cleanup**

RNA Area: 0.0 Result Flagging Label: RIN N/A  
Result Flagging Color:

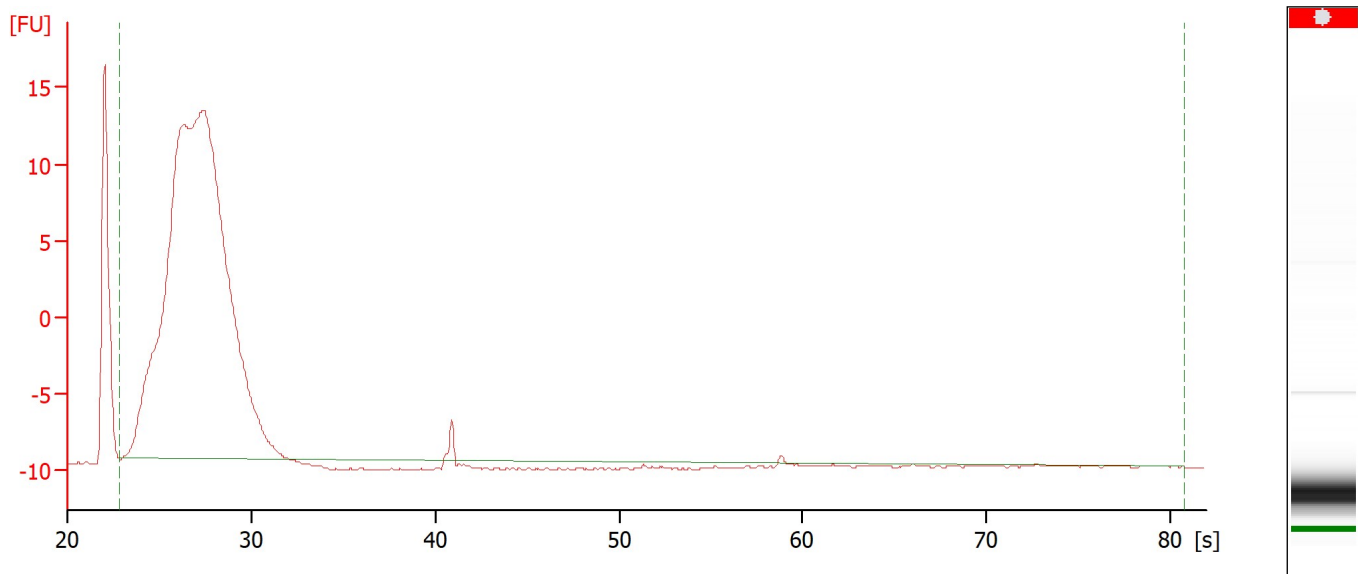


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...27\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-05-27\_001.xad

Created: 5/27/2020 4:10:22 PM  
Modified: 5/27/2020 4:35:55 PM

**Electropherogram Summary Continued ...**

NovaSeq167-8 BC DNA soni with Zymo cleanup



**Overall Results for sample 5 : NovaSeq167-8 BC DNA soni with Zymo cleanup**

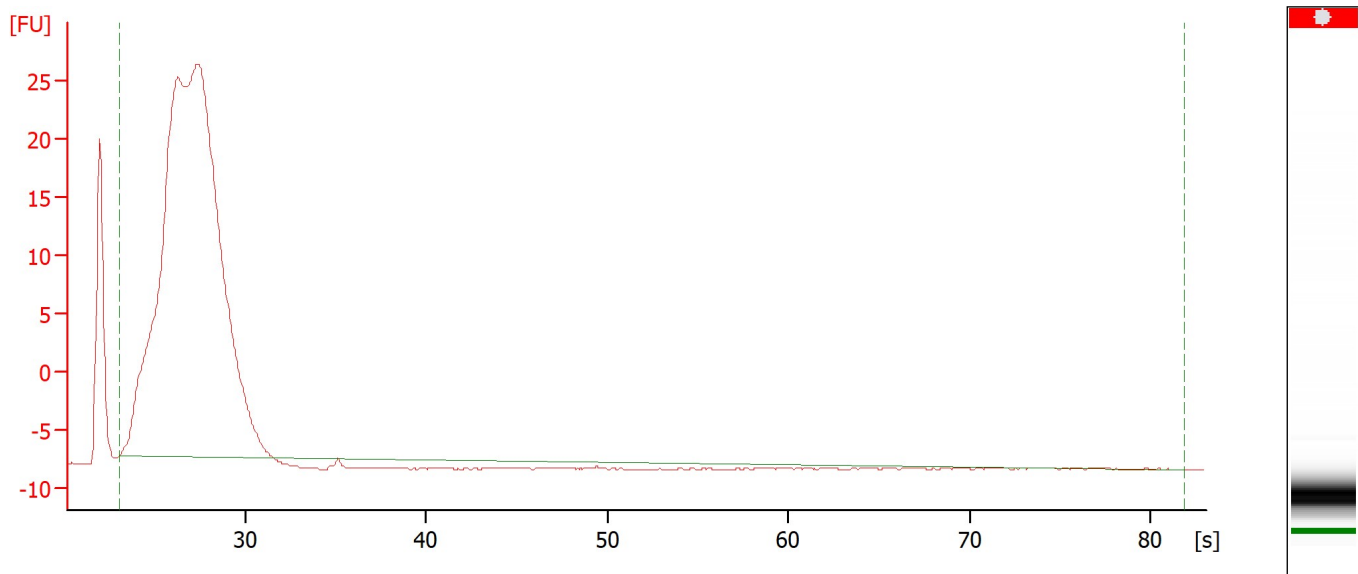
RNA Area: 0.0 Result Flagging Label: RIN N/A  
Result Flagging Color:

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...27\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-05-27\_001.xad

Created: 5/27/2020 4:10:22 PM  
Modified: 5/27/2020 4:35:55 PM

**Electropherogram Summary Continued ...**

NovaSeq167-9 BC DNA soni with Zymo cleanup



**Overall Results for sample 6 : NovaSeq167-9 BC DNA soni with Zymo cleanup**

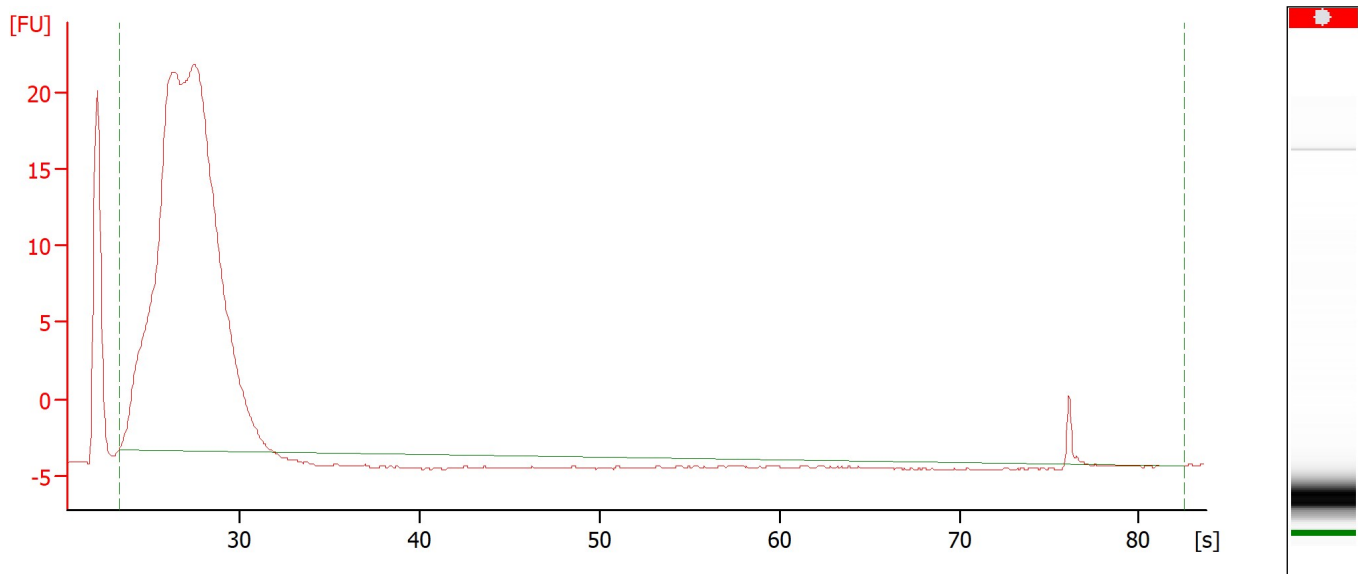
RNA Area: 0.0 Result Flagging Label: RIN N/A  
Result Flagging Color:

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...27\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-05-27\_001.xad

Created: 5/27/2020 4:10:22 PM  
Modified: 5/27/2020 4:35:55 PM

**Electropherogram Summary Continued ...**

NovaSeq167-10 BC DNA soni with Zymo cleanup



**Overall Results for sample 7 : NovaSeq167-10 BC DNA soni with Zymo cleanup**

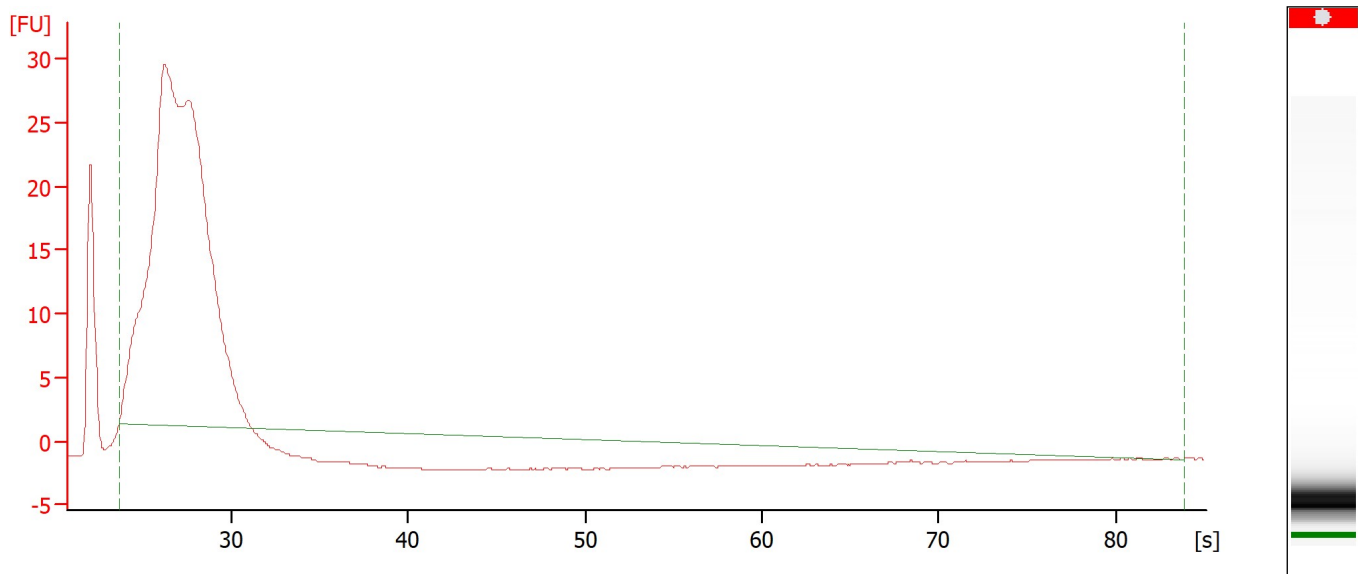
RNA Area: 0.0 Result Flagging Label: RIN N/A  
Result Flagging Color:

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...27\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-05-27\_001.xad

Created: 5/27/2020 4:10:22 PM  
Modified: 5/27/2020 4:35:55 PM

**Electropherogram Summary Continued ...**

NovaSeq167-11 BC DNA soni with Zymo cleanup



**Overall Results for sample 8 : NovaSeq167-11 BC DNA soni with Zymo cleanup**

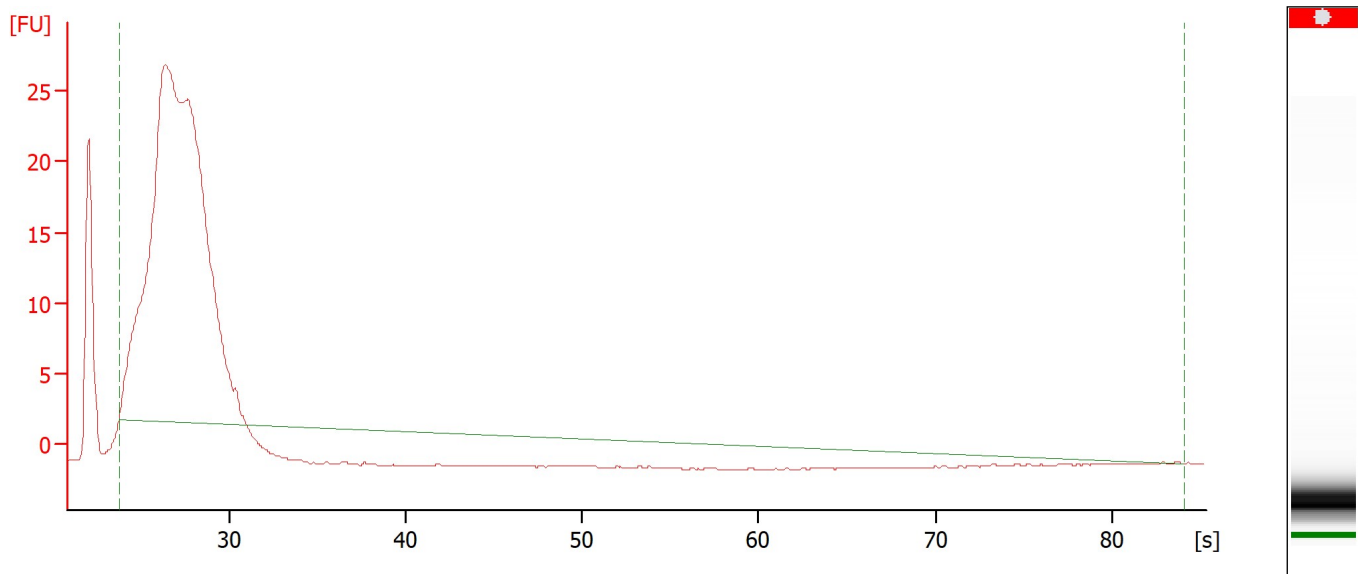
RNA Area: 0.0 Result Flagging Label: RIN N/A  
Result Flagging Color:

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...27\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-05-27\_001.xad

Created: 5/27/2020 4:10:22 PM  
Modified: 5/27/2020 4:35:55 PM

**Electropherogram Summary Continued ...**

NovaSeq167-12 BC DNA soni with Zymo cleanup



**Overall Results for sample 9 : NovaSeq167-12 BC DNA soni with Zymo cleanup**

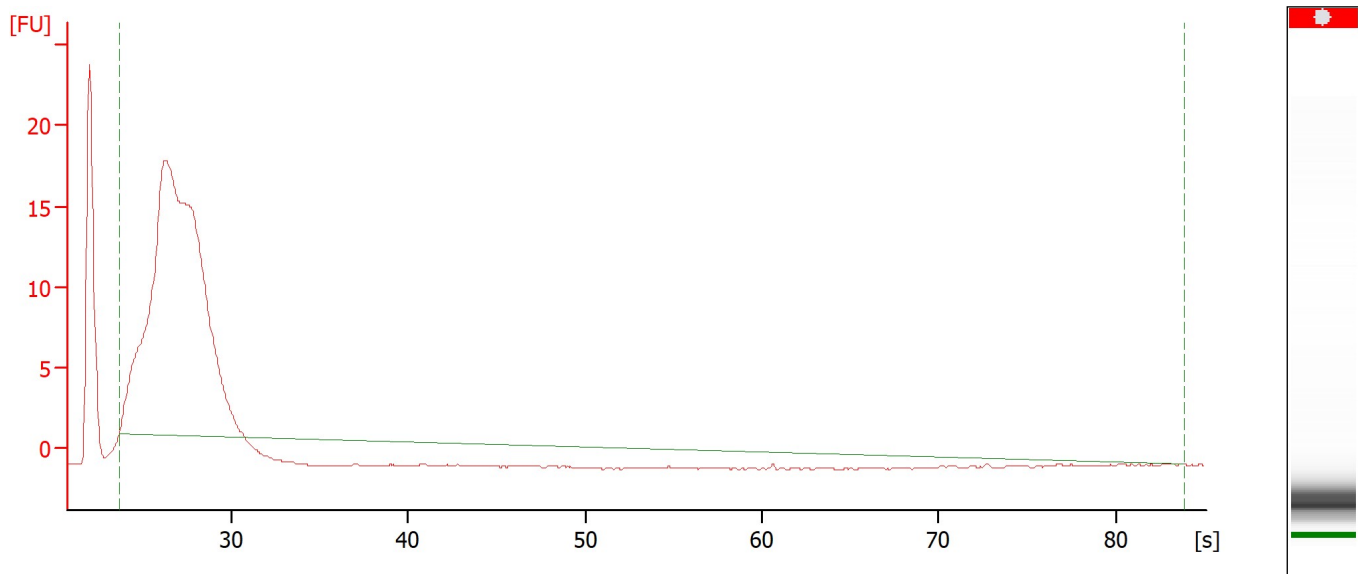
RNA Area: 0.0 Result Flagging Label: RIN N/A  
Result Flagging Color:

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...27\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-05-27\_001.xad

Created: 5/27/2020 4:10:22 PM  
Modified: 5/27/2020 4:35:55 PM

**Electropherogram Summary Continued ...**

NovaSeq167-13 BC DNA soni with Zymo cleanup



**Overall Results for sample 10 : NovaSeq167-13 BC DNA soni with Zymo cleanup**

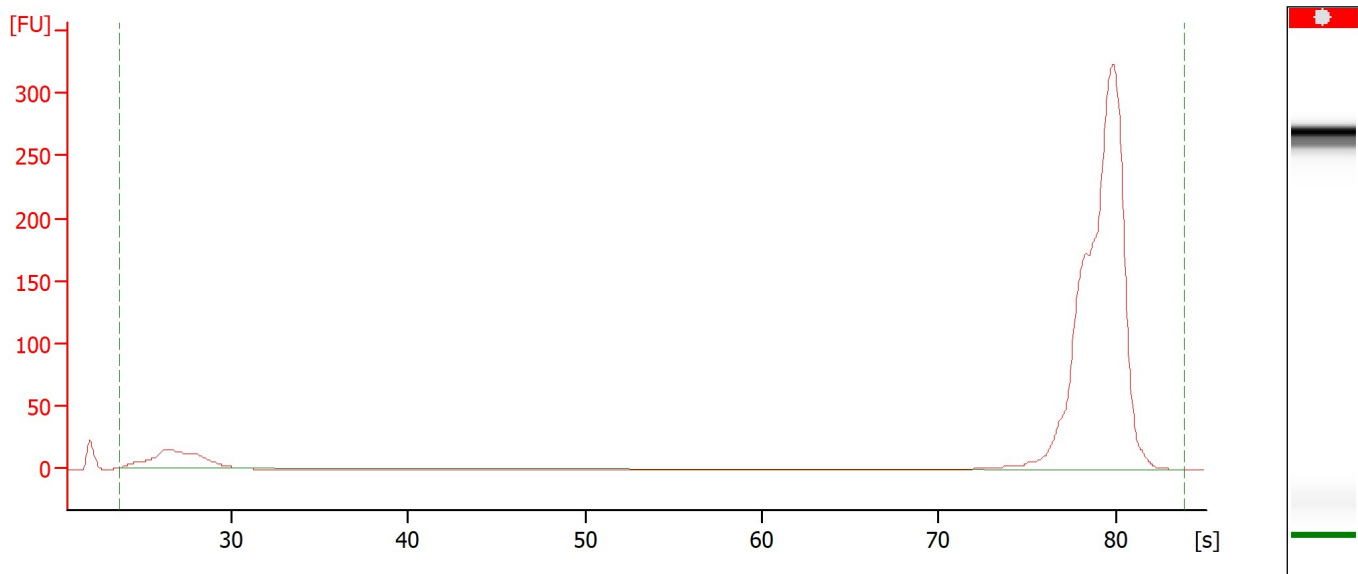
RNA Area: 0.0 Result Flagging Label: RIN N/A  
Result Flagging Color:

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...27\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-05-27\_001.xad

Created: 5/27/2020 4:10:22 PM  
Modified: 5/27/2020 4:35:55 PM

**Electropherogram Summary Continued ...**

NovaSeq167-15 BC DNA soni with Zymo cleanup



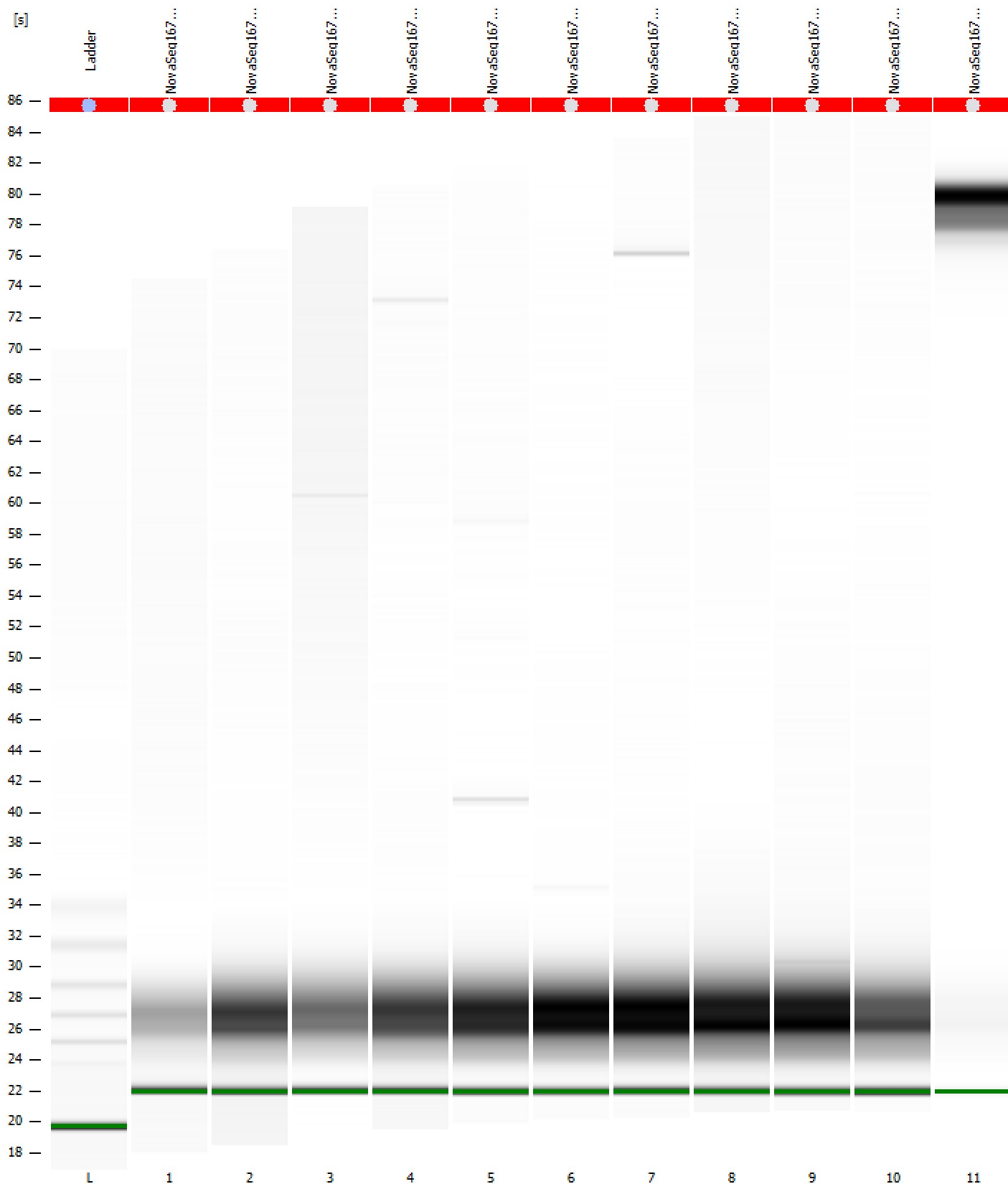
**Overall Results for sample 11 : NovaSeq167-15 BC DNA soni with Zymo cleanup**

RNA Area: 0.0 Result Flagging Label: RIN N/A  
Result Flagging Color:

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...27\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-05-27\_001.xad

Created: 5/27/2020 4:10:22 PM  
Modified: 5/27/2020 4:35:55 PM

Gel Image





Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...27\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-05-27\_001.xad

Created: 5/27/2020 4:10:22 PM  
 Modified: 5/27/2020 4:35:55 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		5/27/2020 4:33:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-05-27\Bioanalyze r1_Eukaryote Total RNA Pico_2020-05-27_001.xad)		Instrument	Run		5/27/2020 4:10:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/27/2020 4:10:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/27/2020 4:10:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/27/2020 4:10:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/27/2020 4:10:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/27/2020 4:10:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/27/2020 4:10:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB