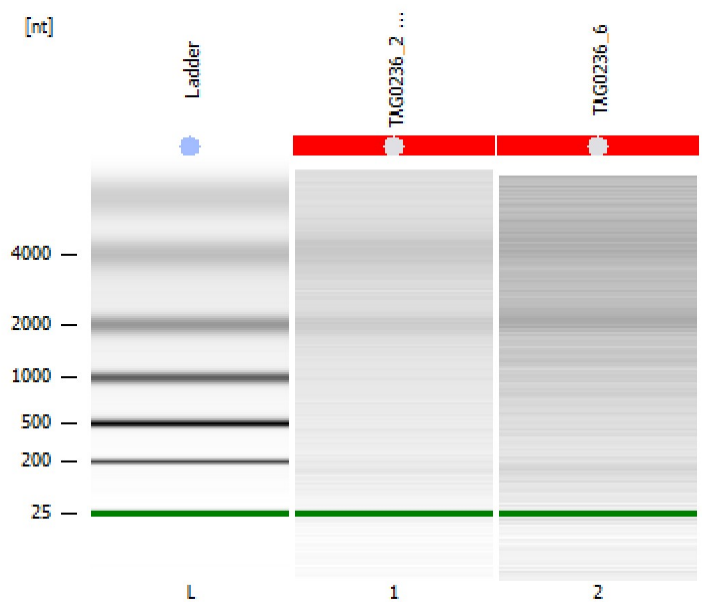


Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-31\TAG0236\_2\_6.xad

Created: 10/31/2023 3:16:08 PM  
 Modified: 10/31/2023 4:23:46 PM

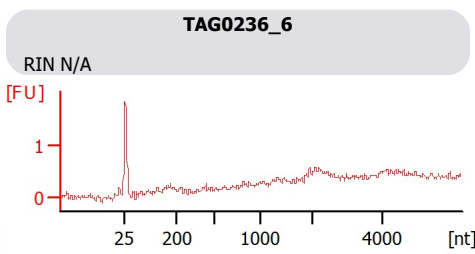
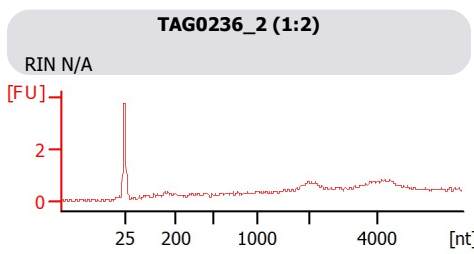
**Electrophoresis File Run Summary**



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:



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-31\TAG0236\_2\_6.xad

Created: 10/31/2023 3:16:08 PM  
Modified: 10/31/2023 4:23:46 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
TAG0236_2 (1:2)		✓	RIN N/A	
TAG0236_6		✓	RIN N/A	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-31\TAG0236\_2\_6.xad

Created: 10/31/2023 3:16:08 PM  
Modified: 10/31/2023 4:23:46 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/ $\mu$ l] : 1000

Lower Marker Concentration [pg/ $\mu$ l] : 0

Upper Marker Concentration [pg/ $\mu$ l] : 0

Used Lower Marker for Quantitation

Standard Curve Fit is Logarithmic

Show Data Aligned to Lower Marker

### Integrator Settings

Integration Start Time [s] : 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

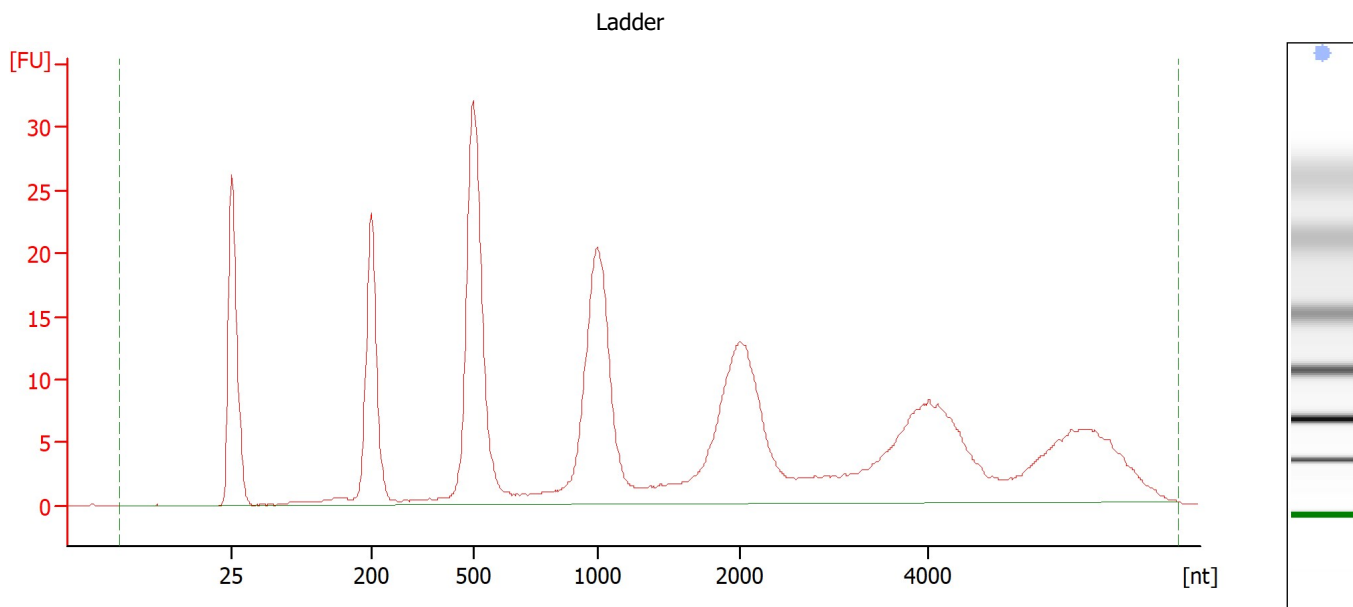
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-31\TAG0236\_2\_6.xad

Created: 10/31/2023 3:16:08 PM  
Modified: 10/31/2023 4:23:46 PM

**Electropherogram Summary**



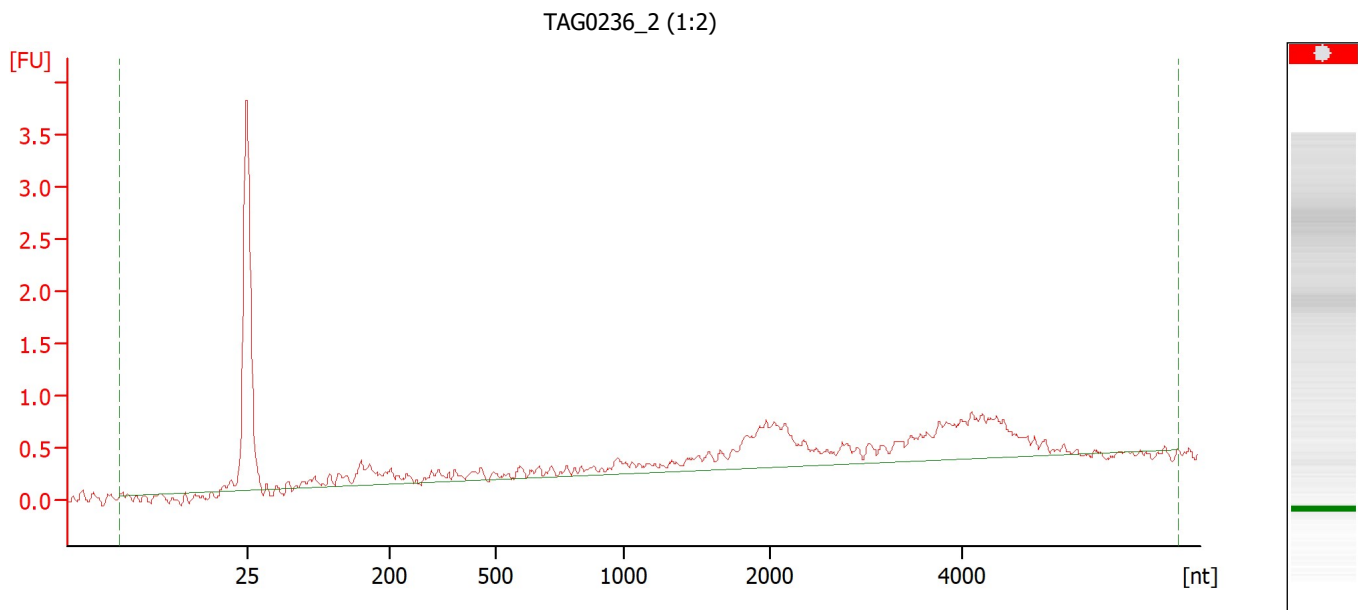
**Overall Results for Ladder**

RNA Area:	377.9	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: C:\...100 bioanalyzer\2100 expert\data\2023-10-31\TAG0236\_2\_6.xad

Created: 10/31/2023 3:16:08 PM  
 Modified: 10/31/2023 4:23:46 PM

**Electropherogram Summary Continued ...**

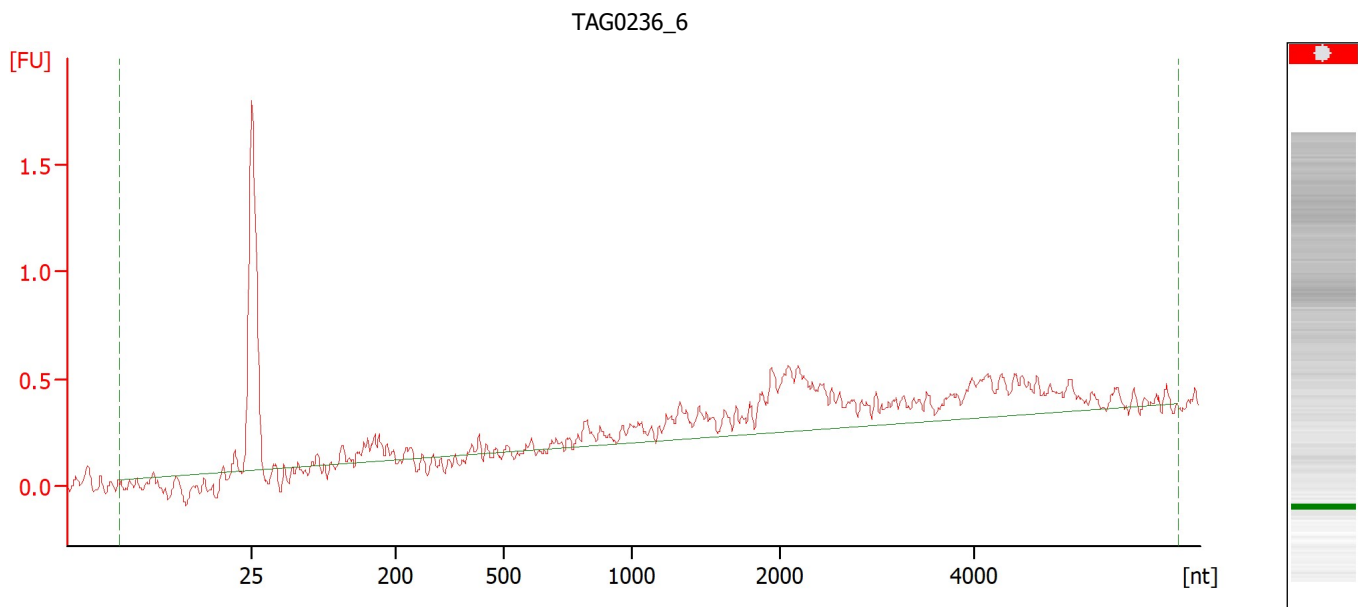


**Overall Results for sample 1 : TAG0236\_2 (1:2)**

RNA Area:	10.7	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	28 pg/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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-31\TAG0236\_2\_6.xad

Created: 10/31/2023 3:16:08 PM  
Modified: 10/31/2023 4:23:46 PM

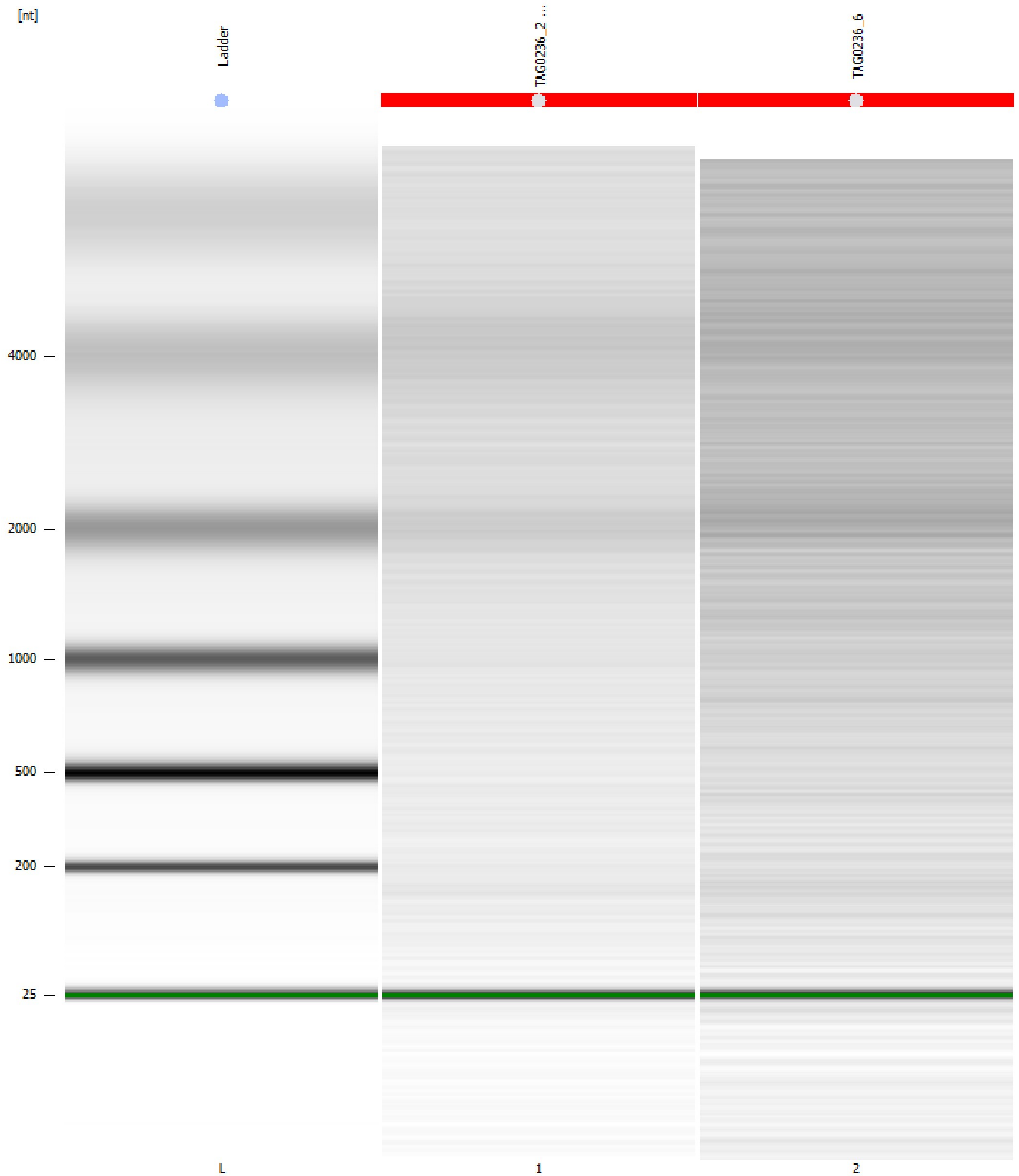
**Electropherogram Summary Continued ...****Overall Results for sample 2 : TAG0236\_6**

RNA Area:	6.3	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	17 pg/ $\mu$ l	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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-31\TAG0236\_2\_6.xad

Created: 10/31/2023 3:16:08 PM  
Modified: 10/31/2023 4:23:46 PM

**Gel Image**

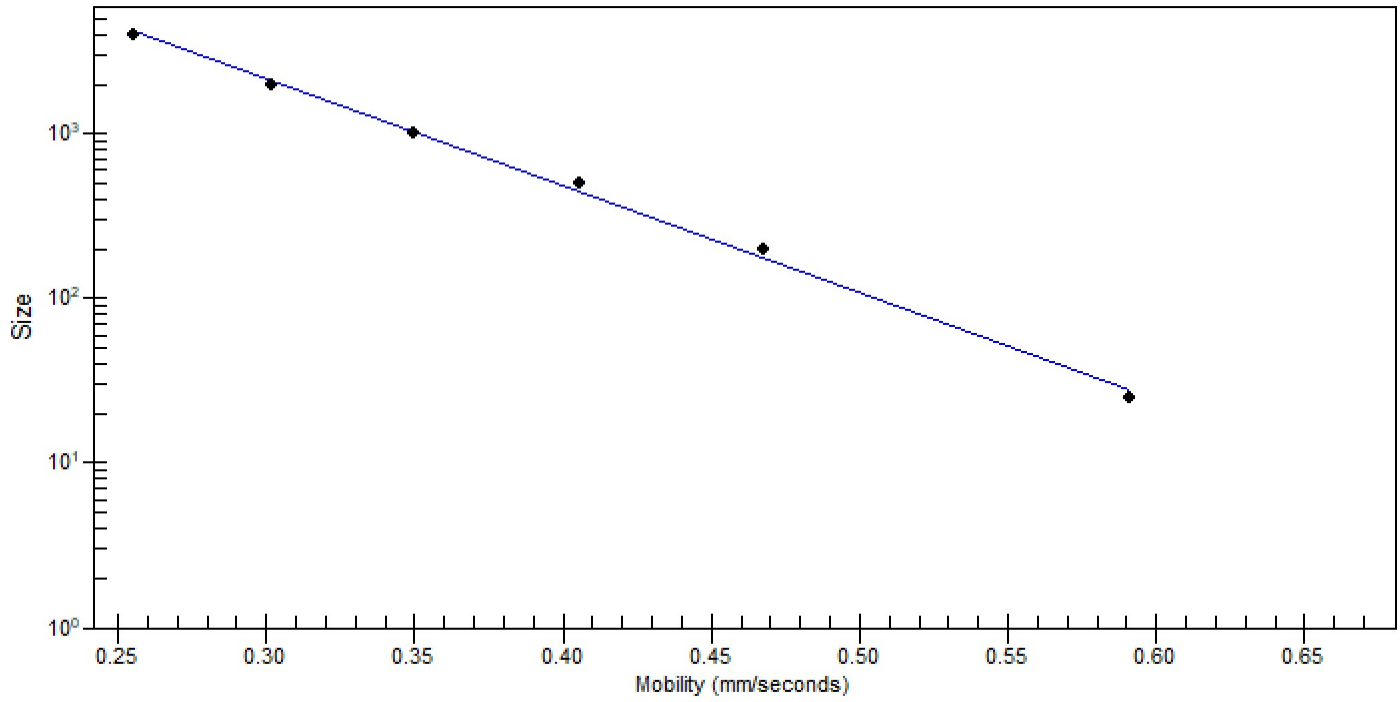


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-31\TAG0236\_2\_6.xad

Created: 10/31/2023 3:16:08 PM  
Modified: 10/31/2023 4:23:46 PM

**Curves**

**Standard Curve**





Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-31\TAG0236\_2\_6.xad

Created: 10/31/2023 3:16:08 PM  
 Modified: 10/31/2023 4:23:46 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		10/31/2023 3:39:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-10-31\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-10-31_001.xad)		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB