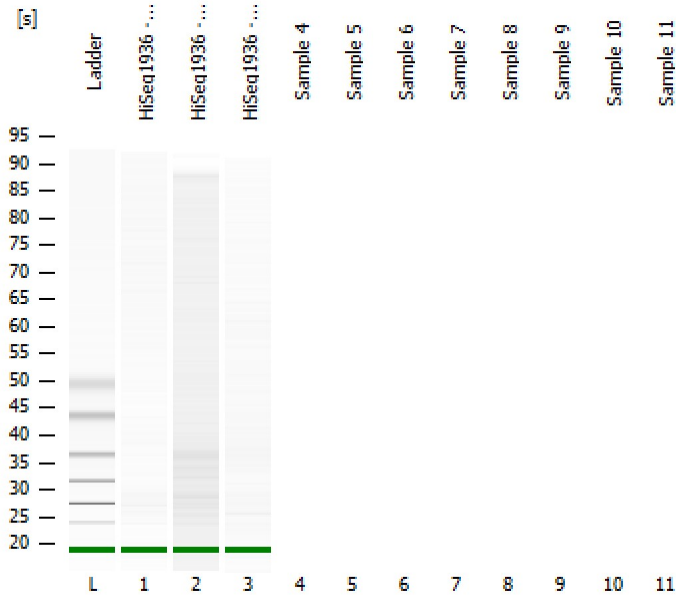


Assay Class: mRNA Pico  
Data Path: Z:\XADS\2019-12-10\Bioanalyzer1\_mRNA Pico\_2019-12-10\_001.xad

Created: 12/10/2019 2:05:02 PM  
Modified: 12/10/2019 2:17:31 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\mRNA Pico Series II.xsy

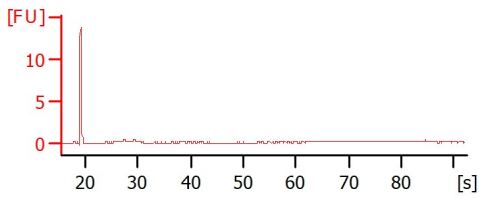
Assay Class: mRNA Pico  
Version: 2.6  
Assay Comments: mRNA Analysis pg sensitivity

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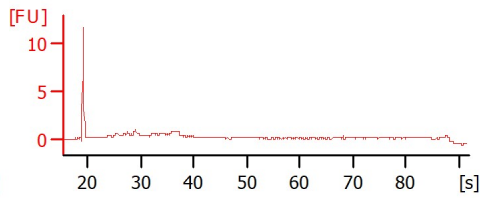
Chip Information:

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

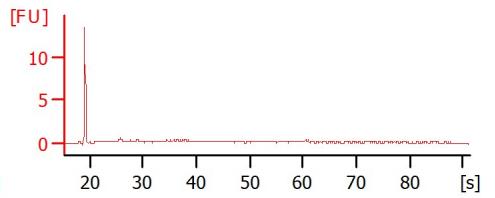
HiSeq1936 - 22 Ribo0 RNA



HiSeq1936 - 23 Ribo0 RNA



HiSeq1936 - 24 Ribo0 RNA



Assay Class: mRNA Pico  
Data Path: Z:\XADs\2019-12-10\Bioanalyzer1\_mRNA Pico\_2019-12-10\_001.xad

Created: 12/10/2019 2:05:02 PM  
Modified: 12/10/2019 2:17:31 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
HiSeq1936 - 22 Ribo0 RNA		✓		
HiSeq1936 - 23 Ribo0 RNA		✓		
HiSeq1936 - 24 Ribo0 RNA		✓		
Sample 4				
Sample 5				
Sample 6				
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓		

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: mRNA Pico  
Data Path: Z:\XADs\2019-12-10\Bioanalyzer1\_mRNA Pico\_2019-12-10\_001.xad

Created: 12/10/2019 2:05:02 PM  
Modified: 12/10/2019 2:17:31 PM

## Electrophoresis Assay Details

### General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12  
Minimum Visible Range [s] : 14  
Maximum Visible Range [s] : 85  
Start Analysis Time Range [s] : 15  
End Analysis Time Range [s] : 84  
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] : 15  
Integration End Time [s] : 84  
Slope Threshold : 0.2  
Height Threshold [FU] : 0.5  
Area Threshold : 0.1  
Width Threshold [s] : 0.2  
Baseline Plateau [s] : 0.5

### Filter Settings

Filter Width [s] : 0.5  
Polynomial Order : 4

### Ladder

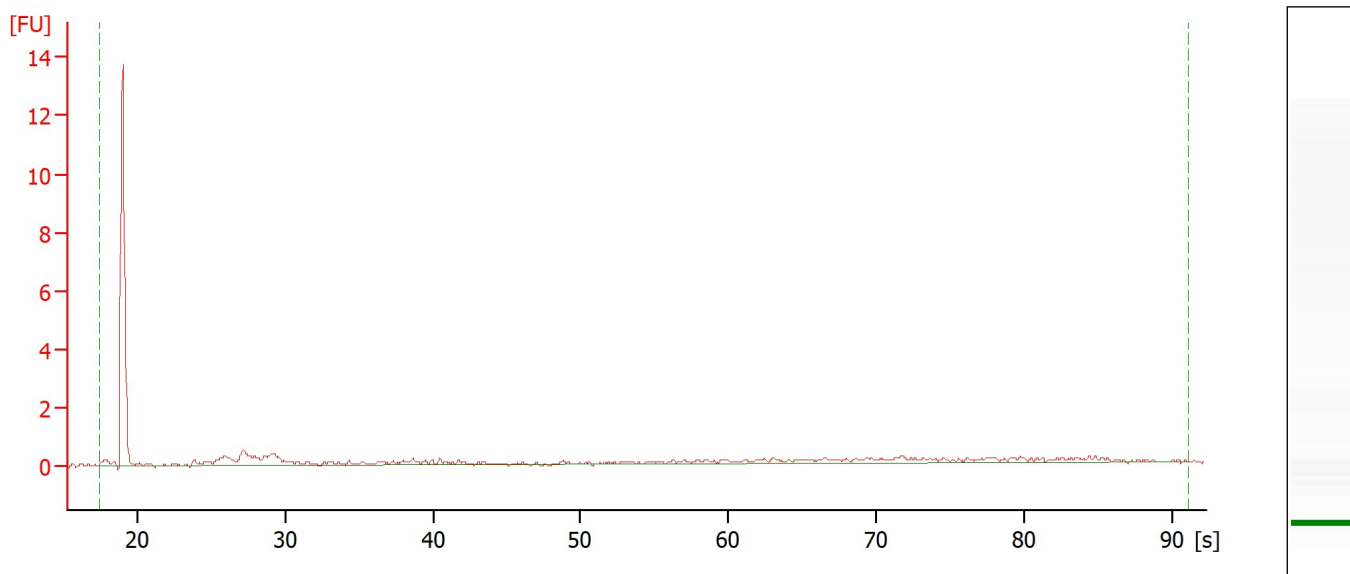
Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: mRNA Pico  
Data Path: Z:\XADs\2019-12-10\Bioanalyzer1\_mRNA Pico\_2019-12-10\_001.xad

Created: 12/10/2019 2:05:02 PM  
Modified: 12/10/2019 2:17:31 PM

**Electropherogram Summary**

HiSeq1936 - 22 Ribo0 RNA



**Overall Results for sample 1 : HiSeq1936 - 22 Ribo0 RNA**

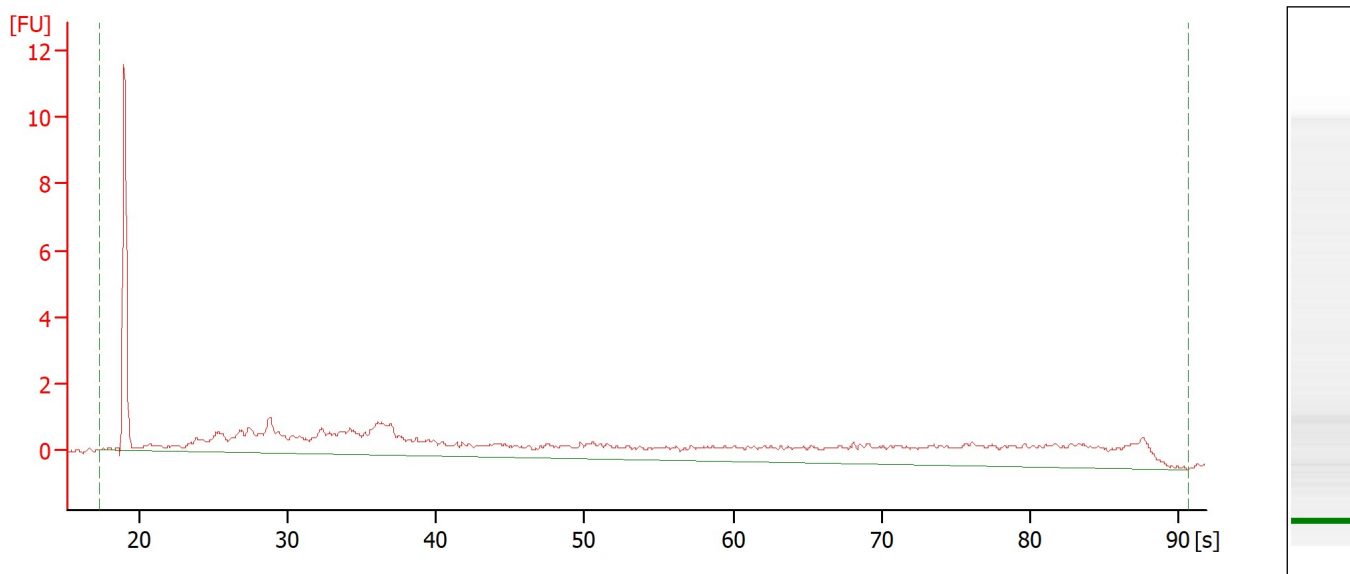
RNA Area: 15.8                      rRNA Contamination: 0.0 %  
RNA Concentration: 107 pg/μl

Assay Class: mRNA Pico  
Data Path: Z:\XADs\2019-12-10\Bioanalyzer1\_mRNA Pico\_2019-12-10\_001.xad

Created: 12/10/2019 2:05:02 PM  
Modified: 12/10/2019 2:17:31 PM

**Electropherogram Summary Continued ...**

HiSeq1936 - 23 Ribo0 RNA



**Overall Results for sample 2 : HiSeq1936 - 23 Ribo0 RNA**

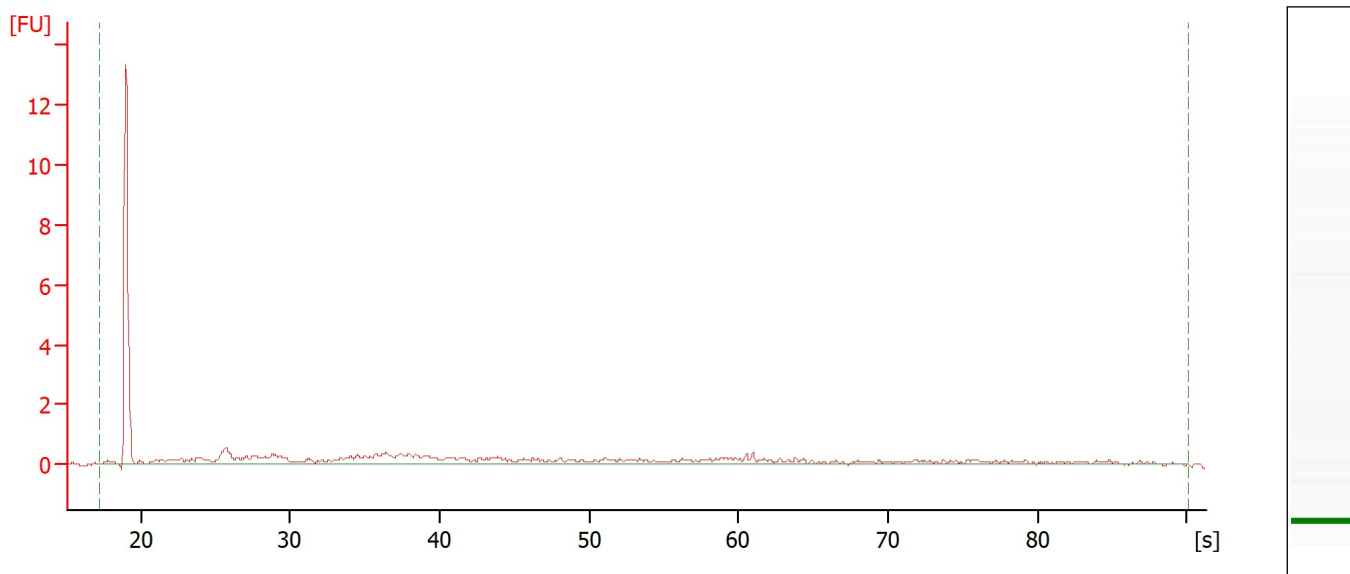
RNA Area: 69.1                      rRNA Contamination: 0.0 %  
RNA Concentration: 467 pg/μl

Assay Class: mRNA Pico  
Data Path: Z:\XADs\2019-12-10\Bioanalyzer1\_mRNA Pico\_2019-12-10\_001.xad

Created: 12/10/2019 2:05:02 PM  
Modified: 12/10/2019 2:17:31 PM

**Electropherogram Summary Continued ...**

HiSeq1936 - 24 Ribo0 RNA



**Overall Results for sample 3 : HiSeq1936 - 24 Ribo0 RNA**

RNA Area: 22.7                      rRNA Contamination: 0.0 %  
RNA Concentration: 153 pg/μl

Assay Class: mRNA Pico  
Data Path: Z:\XADs\2019-12-10\Bioanalyzer1\_mRNA Pico\_2019-12-10\_001.xad

Created: 12/10/2019 2:05:02 PM  
Modified: 12/10/2019 2:17:31 PM

Gel Image

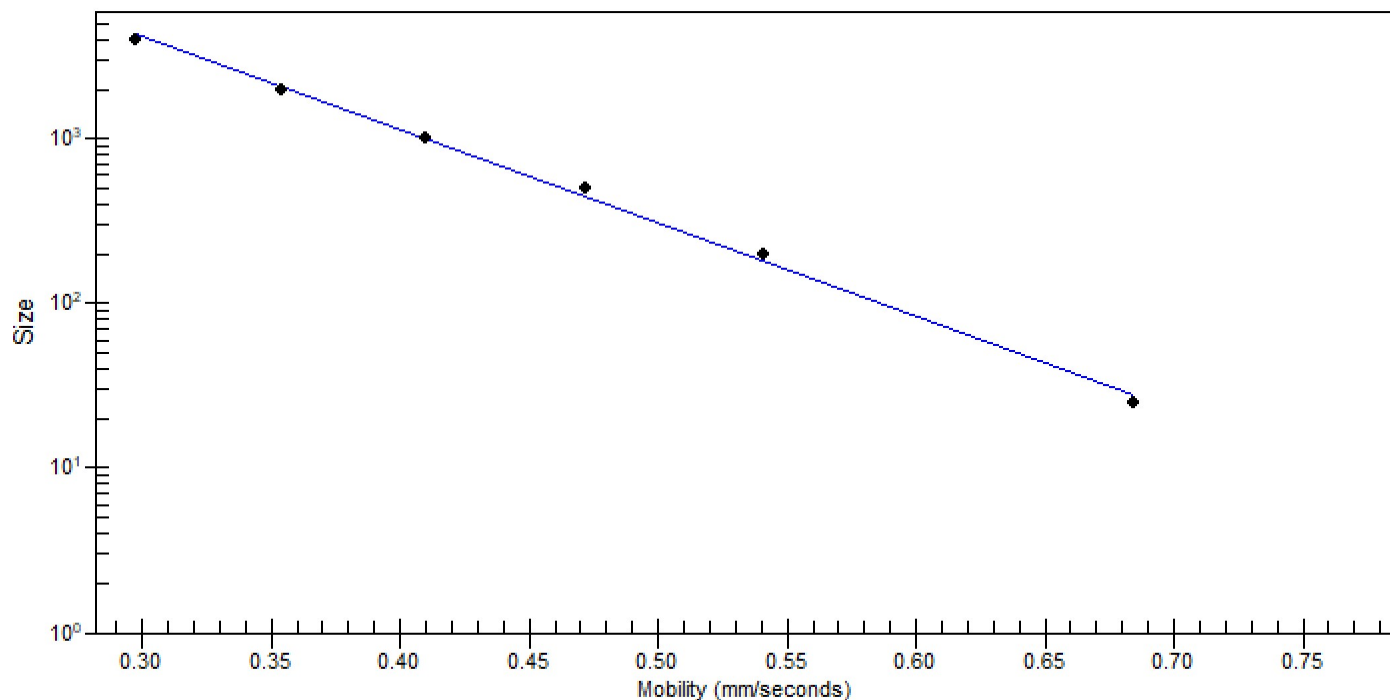


Assay Class: mRNA Pico  
Data Path: Z:\XADs\2019-12-10\Bioanalyzer1\_mRNA Pico\_2019-12-10\_001.xad

Created: 12/10/2019 2:05:02 PM  
Modified: 12/10/2019 2:17:31 PM

**Curves**

**Standard Curve**





Assay Class: mRNA Pico  
Data Path: Z:\XADs\2019-12-10\Bioanalyzer1\_mRNA Pico\_2019-12-10\_001.xad

Created: 12/10/2019 2:05:02 PM  
Modified: 12/10/2019 2:17:31 PM

**Invalid Samples**

Sample 4 has not been run, no results available.

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: mRNA Pico  
 Data Path: Z:\XADs\2019-12-10\Bioanalyzer1\_mRNA Pico\_2019-12-10\_001.xad

Created: 12/10/2019 2:05:02 PM  
 Modified: 12/10/2019 2:17:31 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 4)		Instrument	Run		12/10/2019 2:17:30 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-12-10\Bioanalyze r1_mRNA Pico_2019-12-10_001.xad)		Instrument	Run		12/10/2019 2:05:07 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/10/2019 2:05:07 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/10/2019 2:05:07 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/10/2019 2:05:07 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/10/2019 2:05:07 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/10/2019 2:05:07 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/10/2019 2:05:07 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB