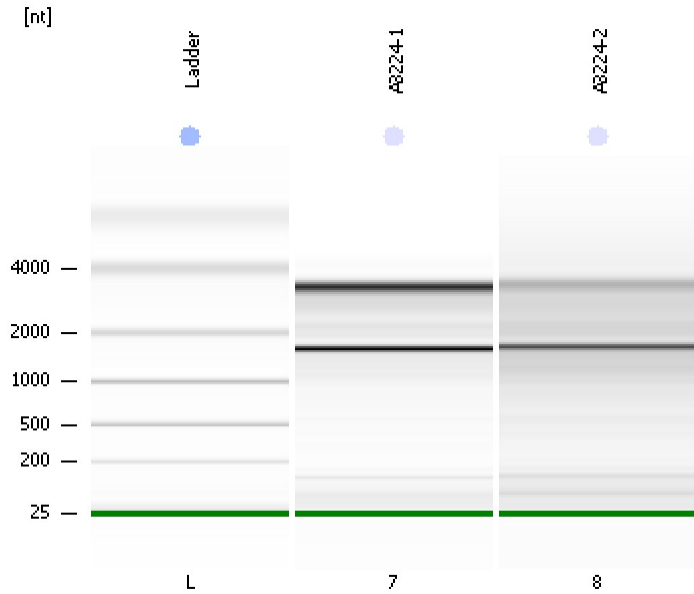


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...lyzer\2100 expert\data\2016-05-03\2016-05-03\_004\_QC\_073.xad

Created: 5/3/2016 4:23:23 PM  
Modified: 5/4/2016 11:38:34 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 Pico Series II.xsy

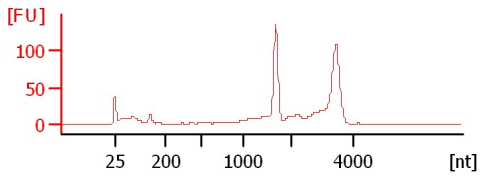
Assay Class: Eukaryote Total RNA Pico  
Version: 2.6  
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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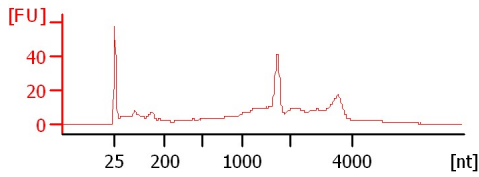
Chip Information:

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

**A3224-1**  
QC\_073  
RIN: 8.80



**A3224-2**  
QC\_073  
RIN: 6.50



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...lyzer\2100 expert\data\2016-05-03\2016-05-03\_004\_QC\_073.xad

Created: 5/3/2016 4:23:23 PM  
Modified: 5/4/2016 11:38:34 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
A3224-1	QC_073	✓	RIN: 8.80	
A3224-2	QC_073	✓	RIN: 6.50	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...lyzer\2100 expert\data\2016-05-03\2016-05-03\_004\_QC\_073.xad

Created: 5/3/2016 4:23:23 PM  
Modified: 5/4/2016 11:38:34 AM

**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

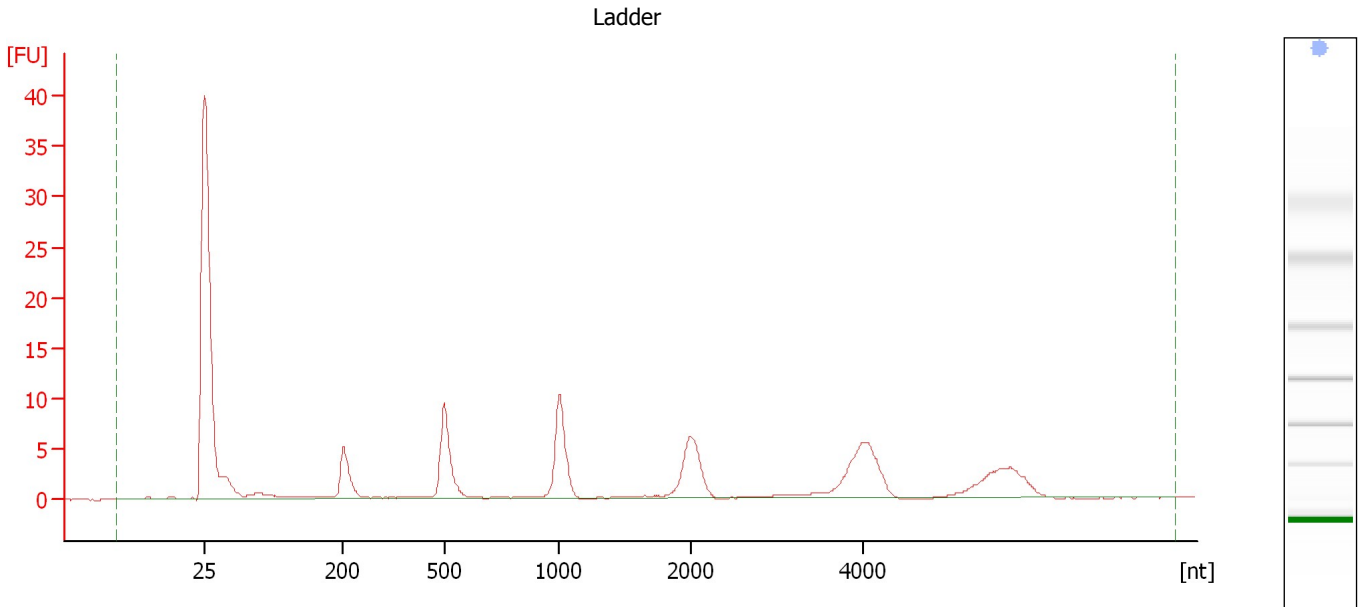
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...lyzer\2100 expert\data\2016-05-03\2016-05-03\_004\_QC\_073.xad

Created: 5/3/2016 4:23:23 PM  
Modified: 5/4/2016 11:38:34 AM

**Electropherogram Summary**



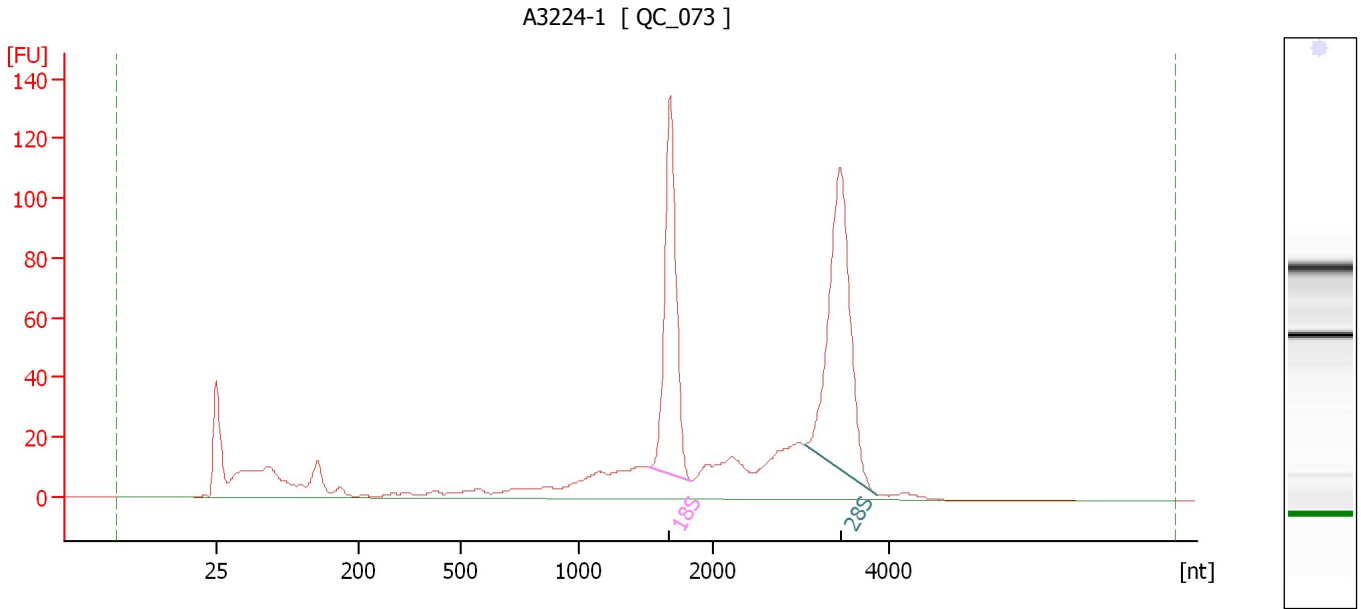
**Overall Results for Ladder**

RNA Area:	90.7	Result Flagging Color:	<span style="background-color: blue; 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:\...lyzer\2100 expert\data\2016-05-03\2016-05-03\_004\_QC\_073.xad

Created: 5/3/2016 4:23:23 PM  
Modified: 5/4/2016 11:38:34 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : A3224-1**

RNA Area: 893.1                      RNA Integrity Number (RIN): 8.8 (B.02.08)  
RNA Concentration: 9,850 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.3                      Result Flagging Label: RIN: 8.80

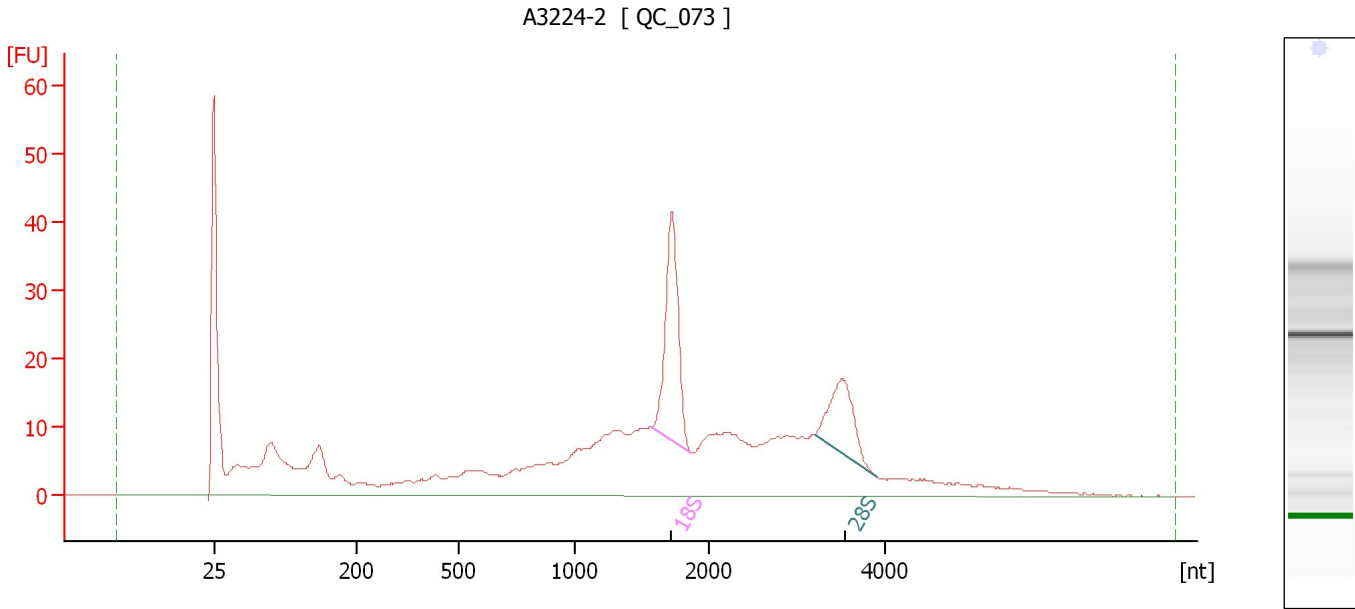
**Fragment table for sample 7 : A3224-1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,510	1,828	174.3	19.5
28S	3,024	3,850	217.9	24.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...lyzer\2100 expert\data\2016-05-03\2016-05-03\_004\_QC\_073.xad

Created: 5/3/2016 4:23:23 PM  
Modified: 5/4/2016 11:38:34 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : A3224-2**

RNA Area: 519.3                      RNA Integrity Number (RIN): 6.5 (B.02.08)  
RNA Concentration: 5,728 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.5                      Result Flagging Label: RIN: 6.50

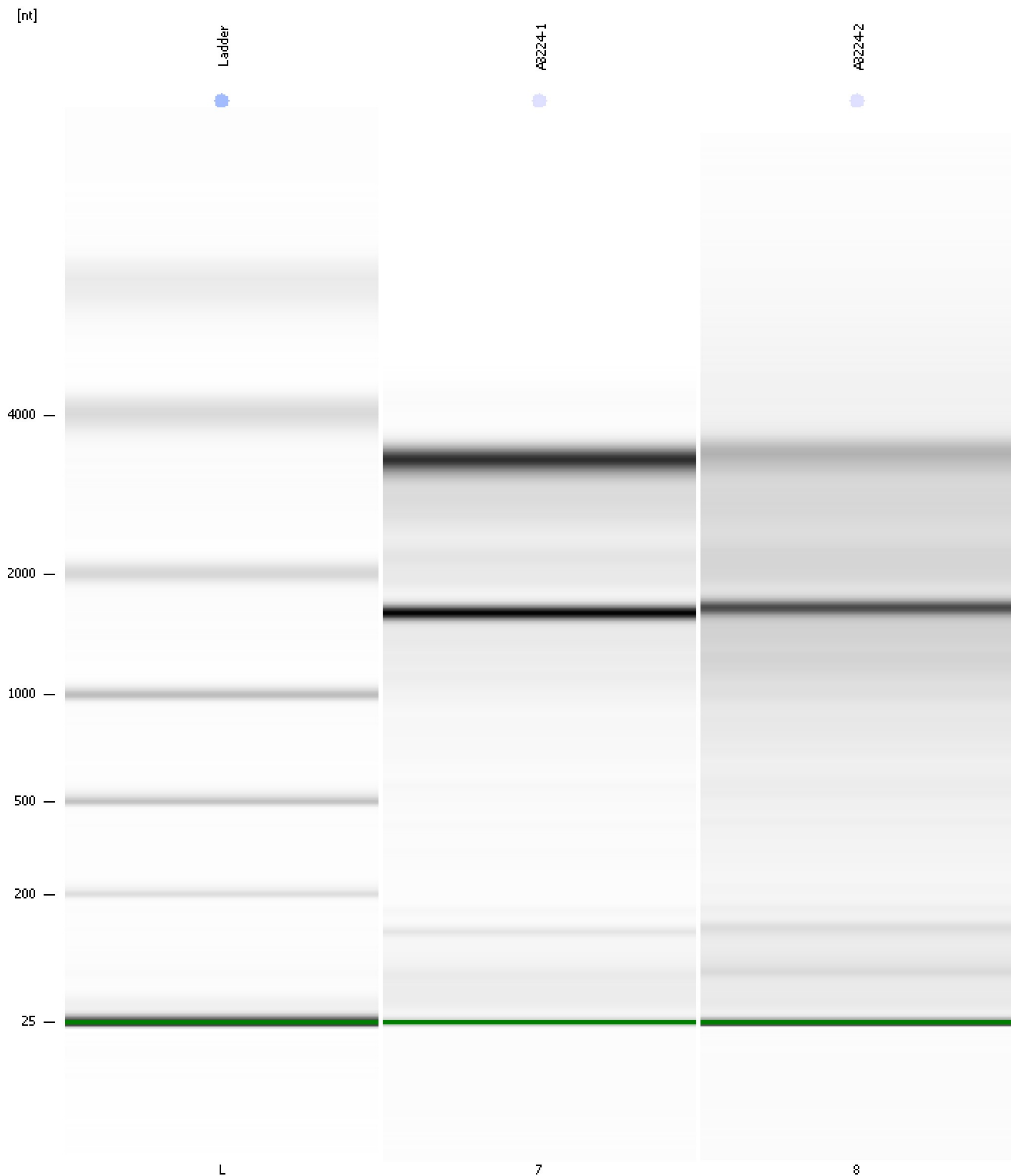
**Fragment table for sample 8 : A3224-2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,563	1,858	50.5	9.7
28S	3,210	3,917	26.0	5.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...lyzer\2100 expert\data\2016-05-03\2016-05-03\_004\_QC\_073.xad

Created: 5/3/2016 4:23:23 PM  
Modified: 5/4/2016 11:38:34 AM

**Gel Image**

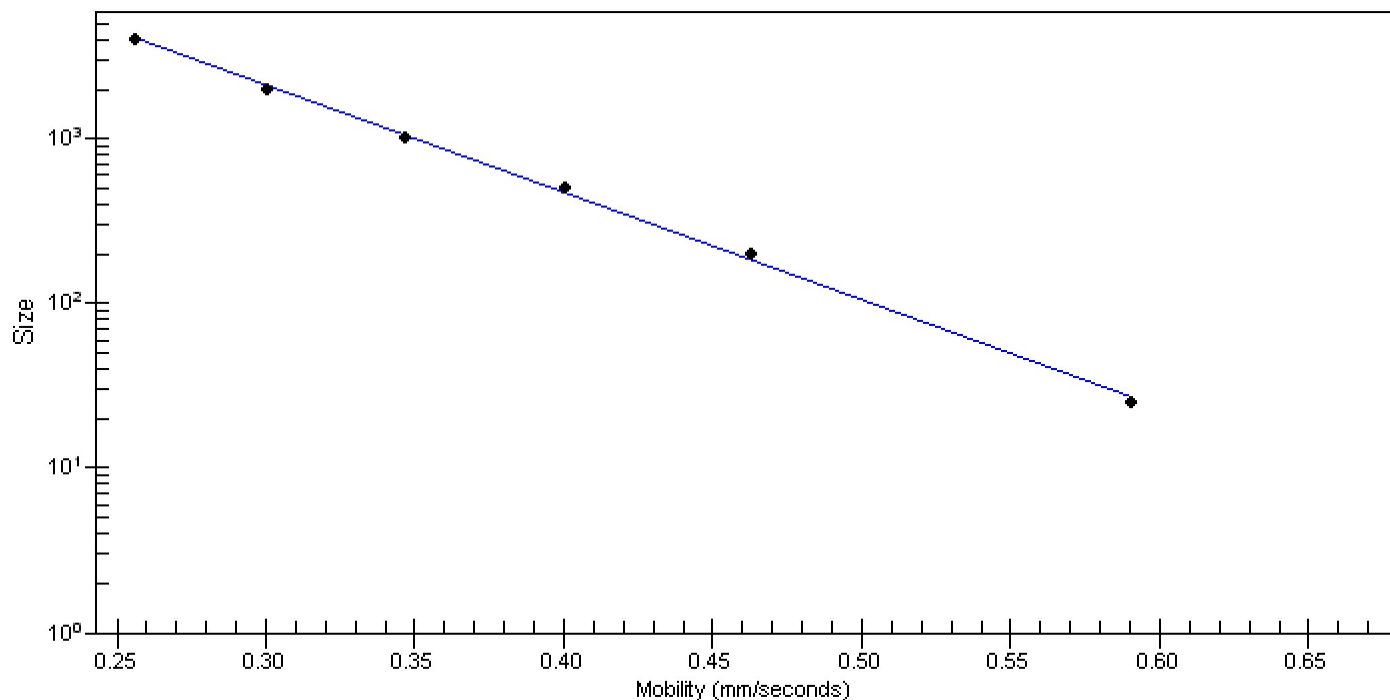


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...lyzer\2100 expert\data\2016-05-03\2016-05-03\_004\_QC\_073.xad

Created: 5/3/2016 4:23:23 PM  
Modified: 5/4/2016 11:38:34 AM

**Curves**

**Standard Curve**





Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...lyzer\2100 expert\data\2016-05-03\2016-05-03\_004\_QC\_073.xad

Created: 5/3/2016 4:23:23 PM  
 Modified: 5/4/2016 11:38:34 AM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 10)		Instrument	Run		5/3/2016 4:43:23 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-05-03\2016-05-03_004.xad)		Instrument	Run		5/3/2016 4:23:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		5/3/2016 4:23:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/3/2016 4:23:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/3/2016 4:23:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		5/3/2016 4:23:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/3/2016 4:23:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/3/2016 4:23:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1