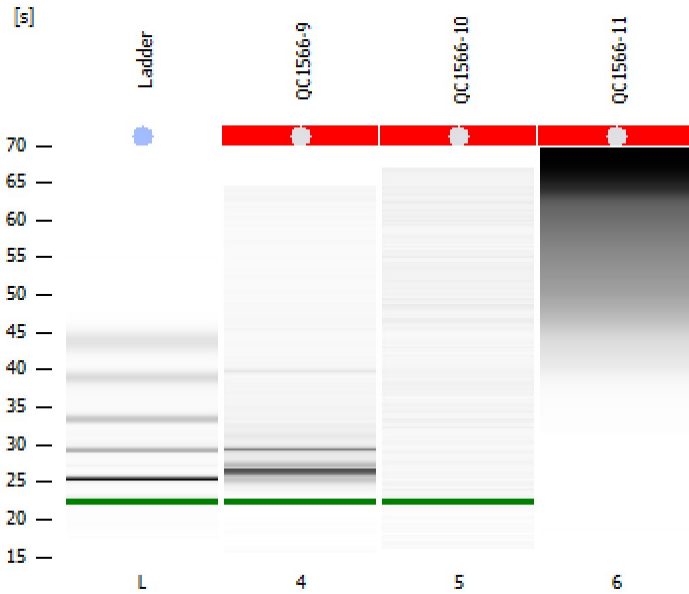


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...analyzer\2100 expert\data\2023-08-01\QC1566\_9-11\_230801.xad

Created: 8/1/2023 3:46:09 PM  
Modified: 8/3/2023 4:41:45 PM

Electrophoresis File Run Summary



Instrument Information:

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

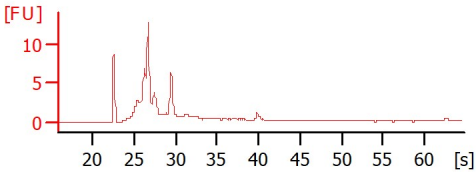
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy  
Assay Class: Eukaryote Total RNA Nano  
Version: 2.6  
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)  
© Copyright 2003 - 2009 Agilent Technologies, Inc.

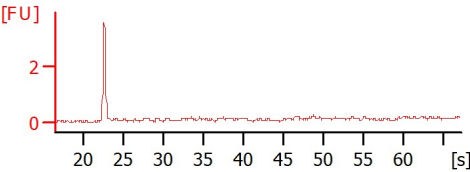
Chip Information:

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

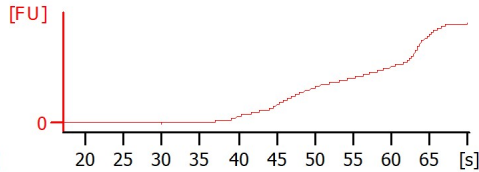
TK\_9\_M8156  
RIN N/A  
**QC1566-9**



TK\_10\_M8162  
RIN N/A  
**QC1566-10**



TK\_11\_M9255  
RIN N/A  
**QC1566-11**



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...analyzer\2100 expert\data\2023-08-01\QC1566\_9-11\_230801.xad

Created: 8/1/2023 3:46:09 PM  
 Modified: 8/3/2023 4:41:45 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1566-9	TK_9_M8156	✓	RIN N/A	
QC1566-10	TK_10_M8162	✓	RIN N/A	
QC1566-11	TK_11_M9255	✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...analyzer\2100 expert\data\2023-08-01\QC1566\_9-11\_230801.xad

Created: 8/1/2023 3:46:09 PM  
Modified: 8/3/2023 4:41:45 PM

## 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/μl] : 150  
Lower Marker Concentration [ng/μl] : 0  
Upper Marker Concentration [ng/μl] : 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

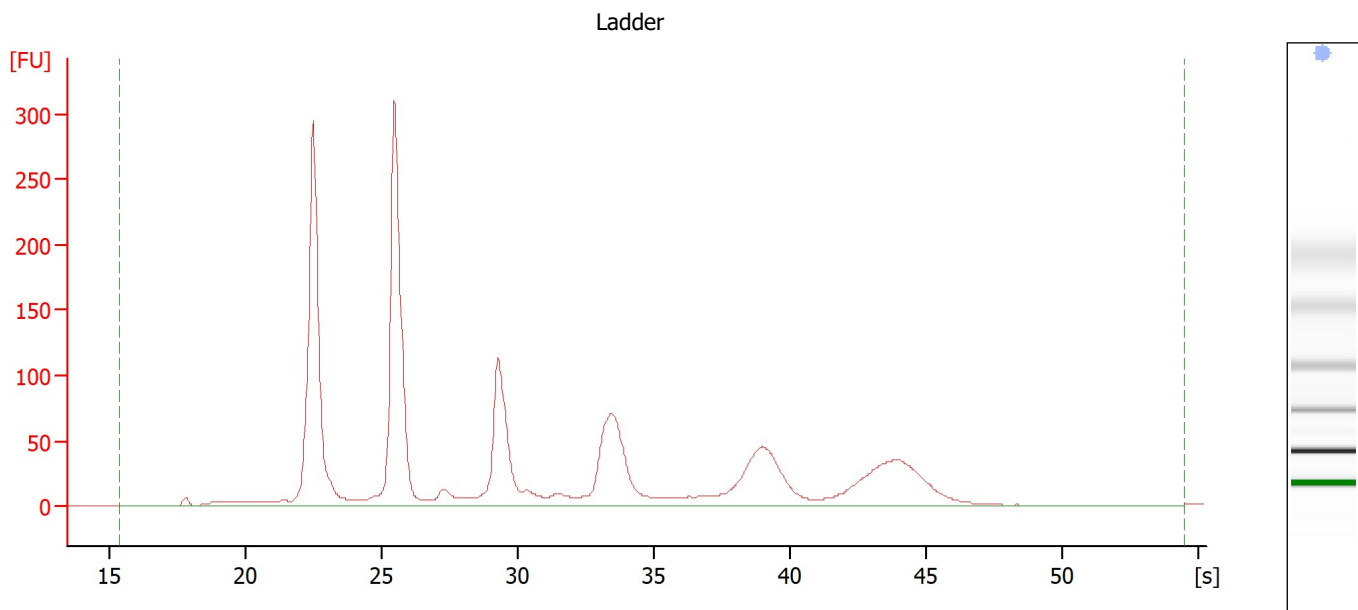
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...analyzer\2100 expert\data\2023-08-01\QC1566\_9-11\_230801.xad

Created: 8/1/2023 3:46:09 PM  
Modified: 8/3/2023 4:41:45 PM

**Electropherogram Summary**



**Overall Results for Ladder**

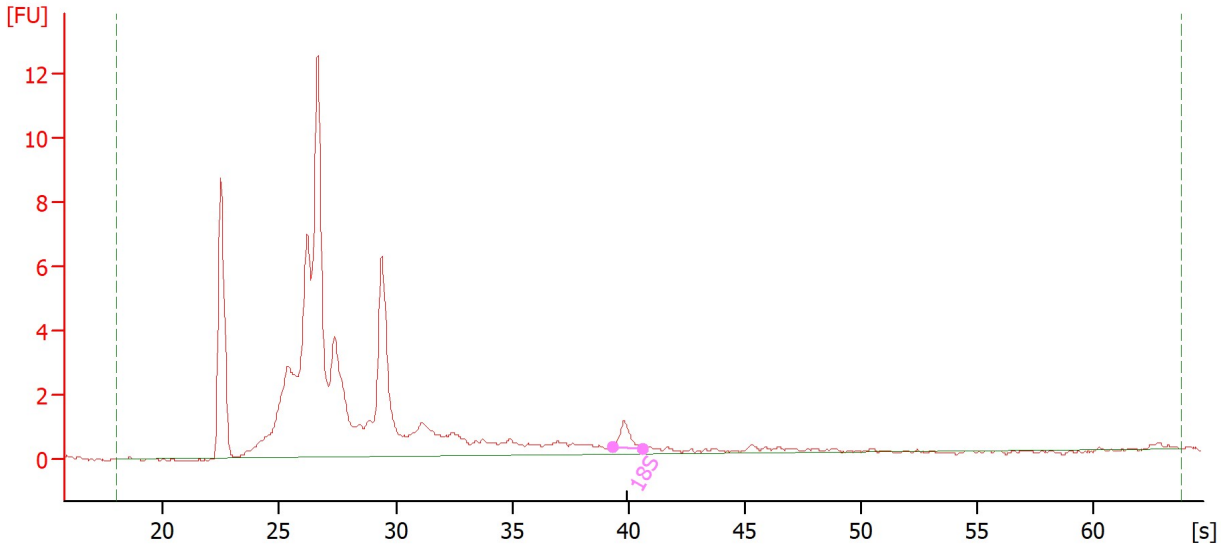
RNA Area:	1,662.7	Result Flagging Color:	<span style="background-color: #6699ff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/ $\mu$ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...analyzer\2100 expert\data\2023-08-01\QC1566\_9-11\_230801.xad

Created: 8/1/2023 3:46:09 PM  
Modified: 8/3/2023 4:41:45 PM

**Electropherogram Summary Continued ...**

QC1566-9 [ TK\_9\_M8156 ]



**Overall Results for sample 4 : QC1566-9**

RNA Area:	80.2	RNA Integrity Number (RIN):	N/A (B.02.10)
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

**Fragment table for sample 4 : QC1566-9**

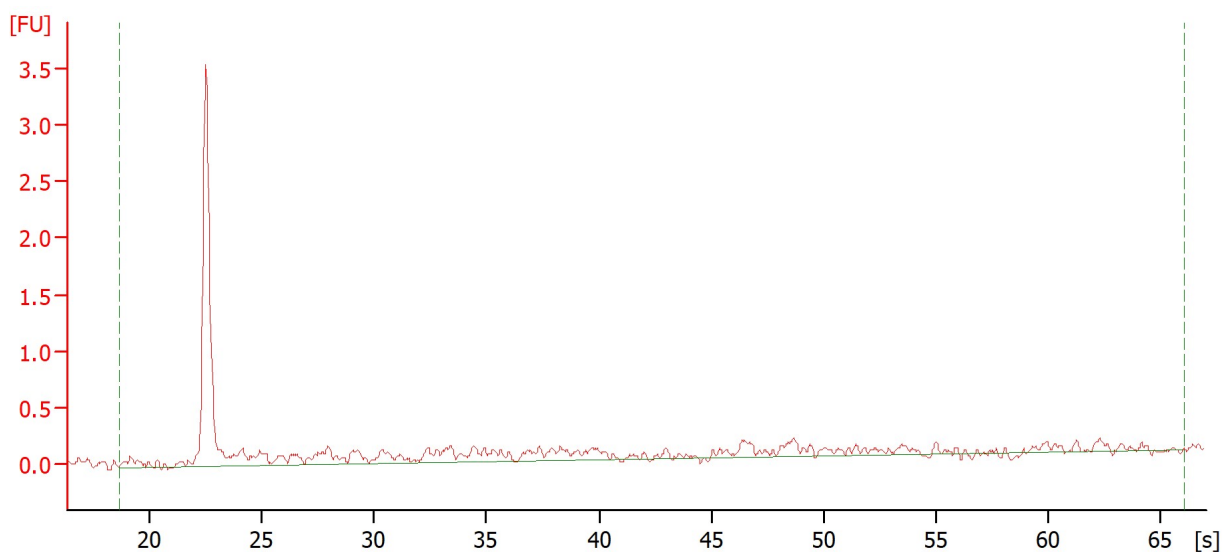
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,127	2,666	1.1	1.4

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...analyzer\2100 expert\data\2023-08-01\QC1566\_9-11\_230801.xad

Created: 8/1/2023 3:46:09 PM  
 Modified: 8/3/2023 4:41:45 PM

**Electropherogram Summary Continued ...**

QC1566-10 [ TK\_10\_M8162 ]



**Overall Results for sample 5 : QC1566-10**

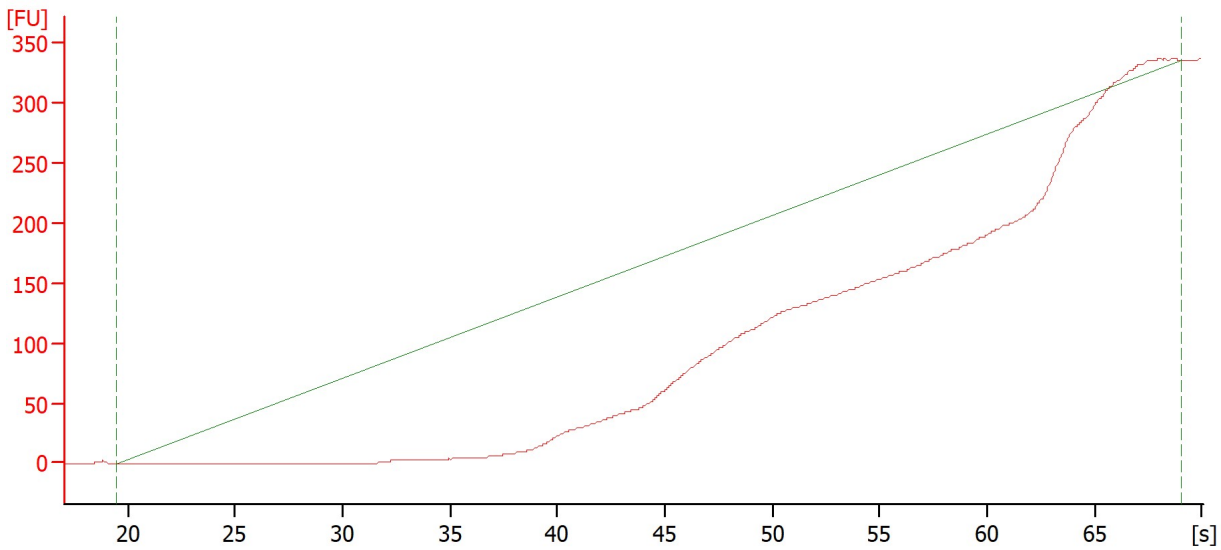
RNA Area:	6.5	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	1 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...analyzer\2100 expert\data\2023-08-01\QC1566\_9-11\_230801.xad

Created: 8/1/2023 3:46:09 PM  
Modified: 8/3/2023 4:41:45 PM

**Electropherogram Summary Continued ...**

QC1566-11 [ TK\_11\_M9255 ]



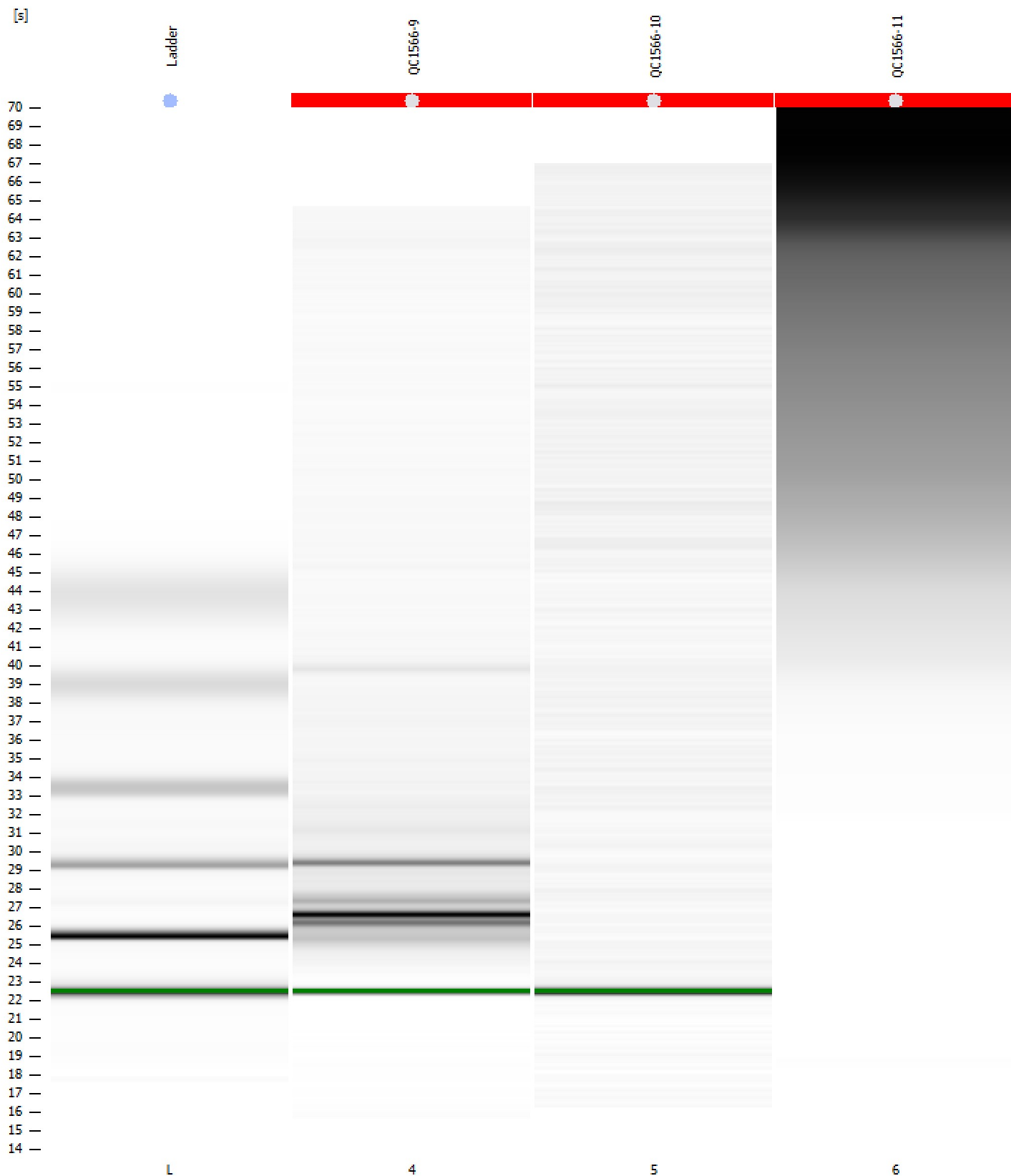
**Overall Results for sample 6 : QC1566-11**

RNA Area:	27.8	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	3 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...analyzer\2100 expert\data\2023-08-01\QC1566\_9-11\_230801.xad

Created: 8/1/2023 3:46:09 PM  
Modified: 8/3/2023 4:41:45 PM

**Gel Image**



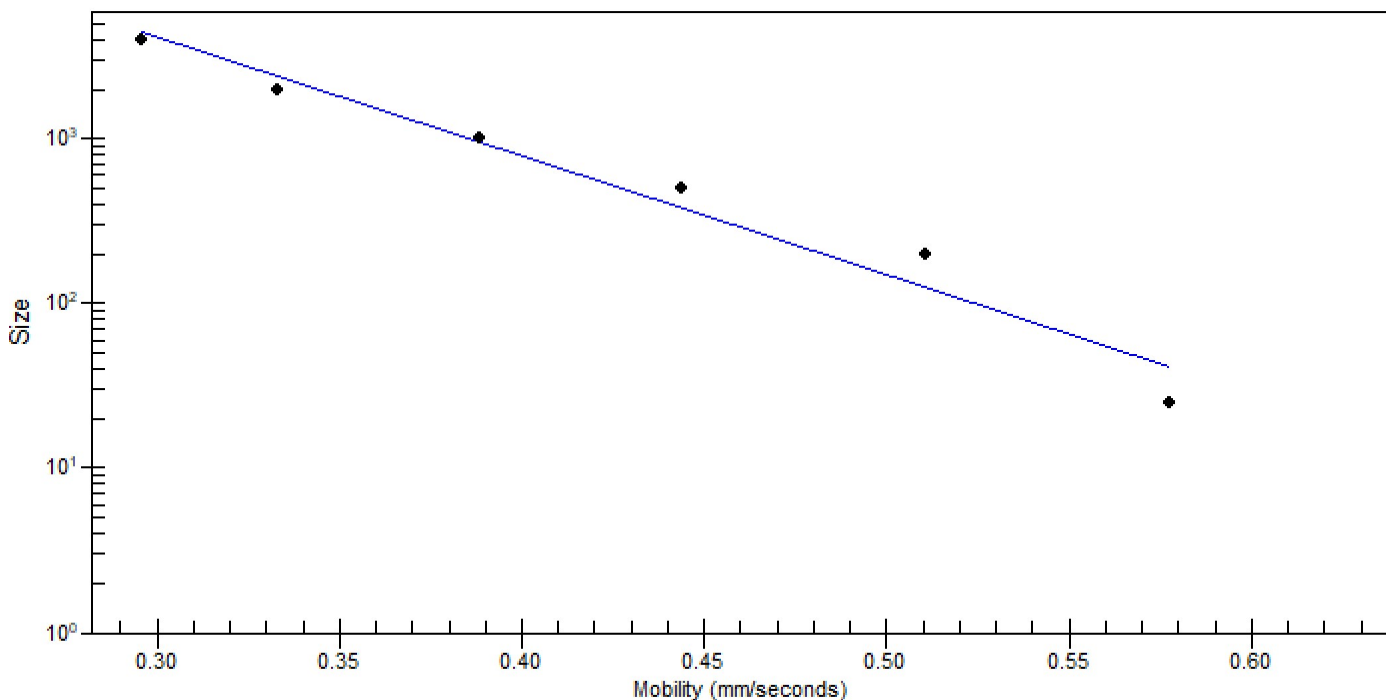


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...analyzer\2100 expert\data\2023-08-01\QC1566\_9-11\_230801.xad

Created: 8/1/2023 3:46:09 PM  
Modified: 8/3/2023 4:41:45 PM

**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Nano Created: 8/1/2023 3:46:09 PM  
 Data Path: C:\...analyzer\2100 expert\data\2023-08-01\QC1566\_9-11\_230801.xad Modified: 8/3/2023 4:41:45 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		8/1/2023 4:10:00 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\2023-08-01\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2023-08-01_001.xad)		Instrument	Run		8/1/2023 3:46:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/1/2023 3:46:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/1/2023 3:46:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/1/2023 3:46:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/1/2023 3:46:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/1/2023 3:46:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/1/2023 3:46:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB