

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-26\2014-09-26_006.xad

Created: 9/26/2014 3:19:58 PM
Modified: 9/26/2014 3:35:43 PM

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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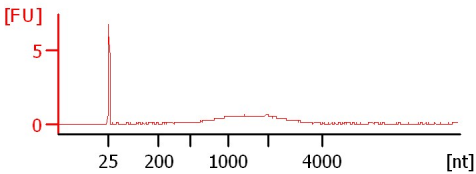
Chip Information:

Chip Lot #:

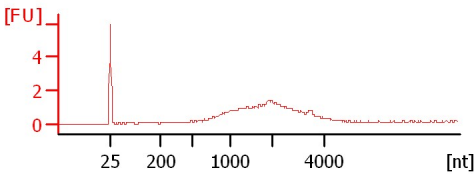
Reagent Kit Lot #:

Chip Comments:

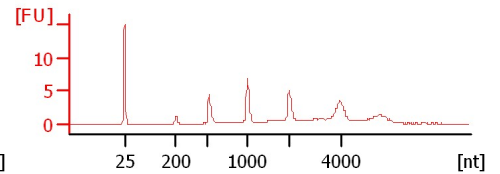
WT - B100 polyA test in 0.2ml tubes
RIN: 1.10



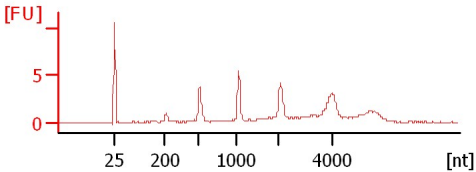
XCT - B100 polyA test in 0.2ml tubes
RIN: 2.70



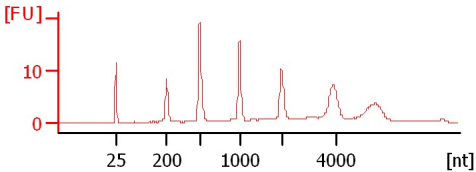
Dag pico ladder re-denatured (bad)
RIN N/A



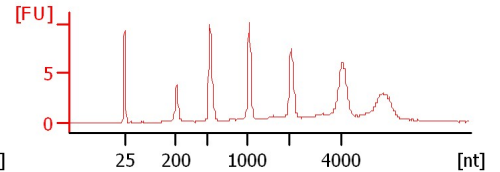
Dag pico ladder re-denatured (new)
RIN N/A



Dag pico ladder (bad)
RIN N/A















Dag pico ladder (new)
RIN N/A



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
WT - BIOO polyA test in 0.2ml tubes		✓	RIN: 1.10	
XCT - BIOO polyA test in 0.2ml tubes		✓	RIN: 2.70	
Dag pico ladder re-denatured (bad)		✓	RIN N/A	
Dag pico ladder re-denatured (new)		✓	RIN N/A	
Dag pico ladder (bad)		✓	RIN N/A	
Dag pico ladder (new)		✓	RIN N/A	
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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

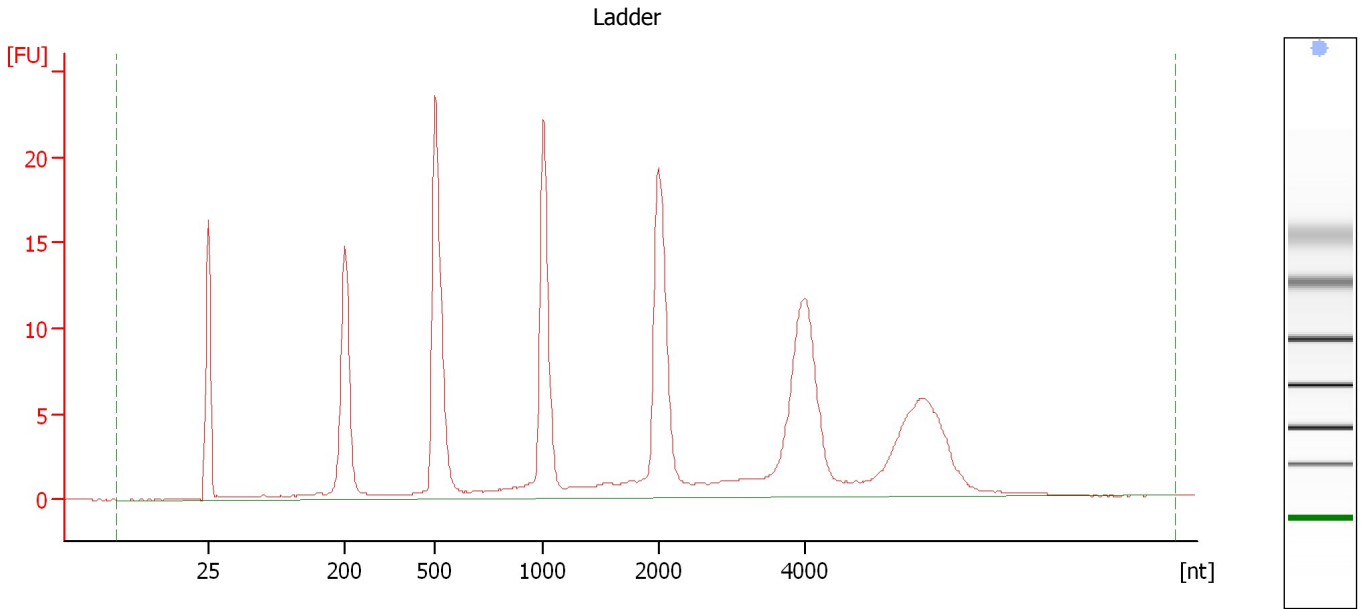
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

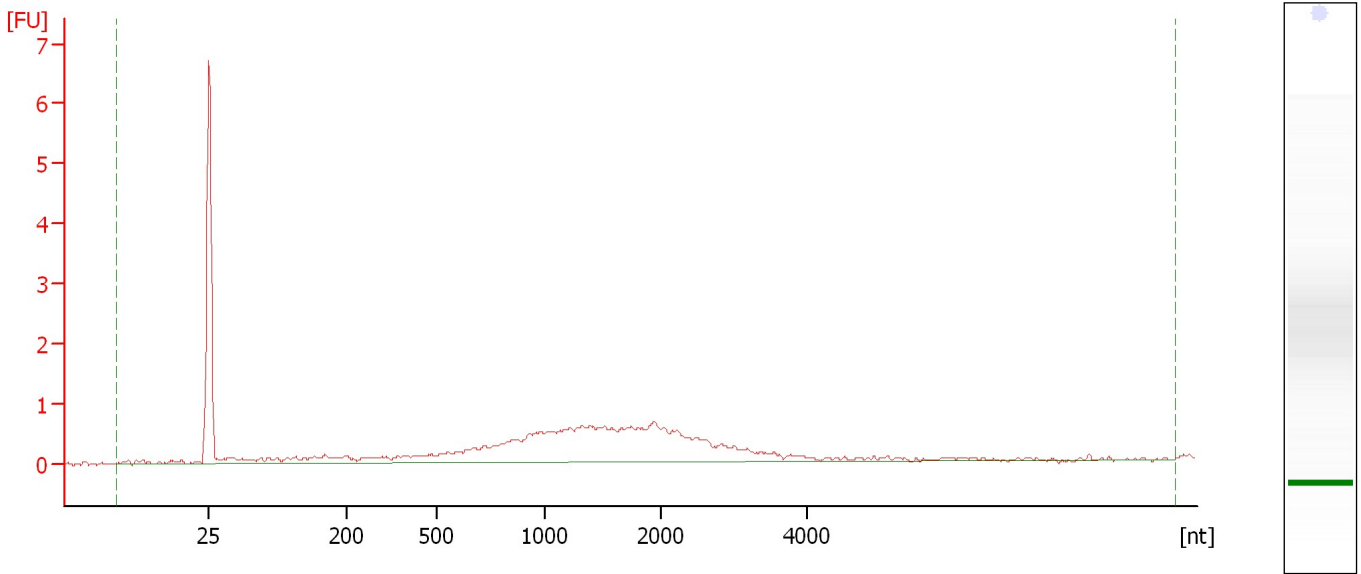
RNA Area:	202.2	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...

WT - B100 polyA test in 0.2ml tubes



Overall Results for sample 1 : WT - B100 polyA test in 0.2ml tubes

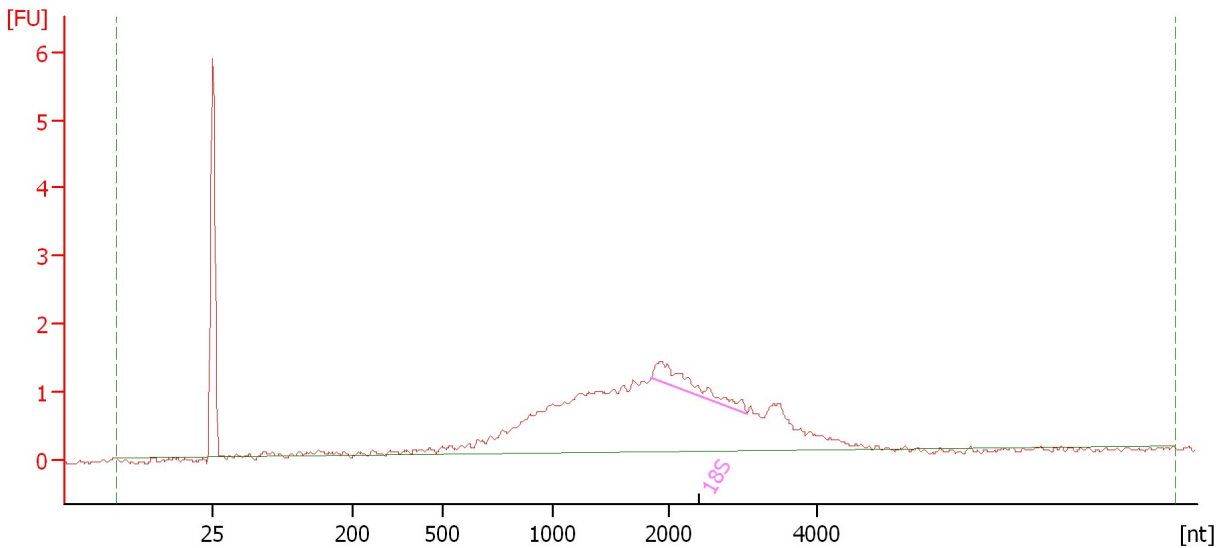
RNA Area:	20.4	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	101 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

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Electropherogram Summary Continued ...

XCT - BIOO polyA test in 0.2ml tubes



Overall Results for sample 2 : XCT - BIOO polyA test in 0.2ml tubes

RNA Area: 28.3 RNA Integrity Number (RIN): 2.7 (B.02.08)
RNA Concentration: 140 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN: 2.70

Fragment table for sample 2 : XCT - BIOO polyA test in 0.2ml tubes

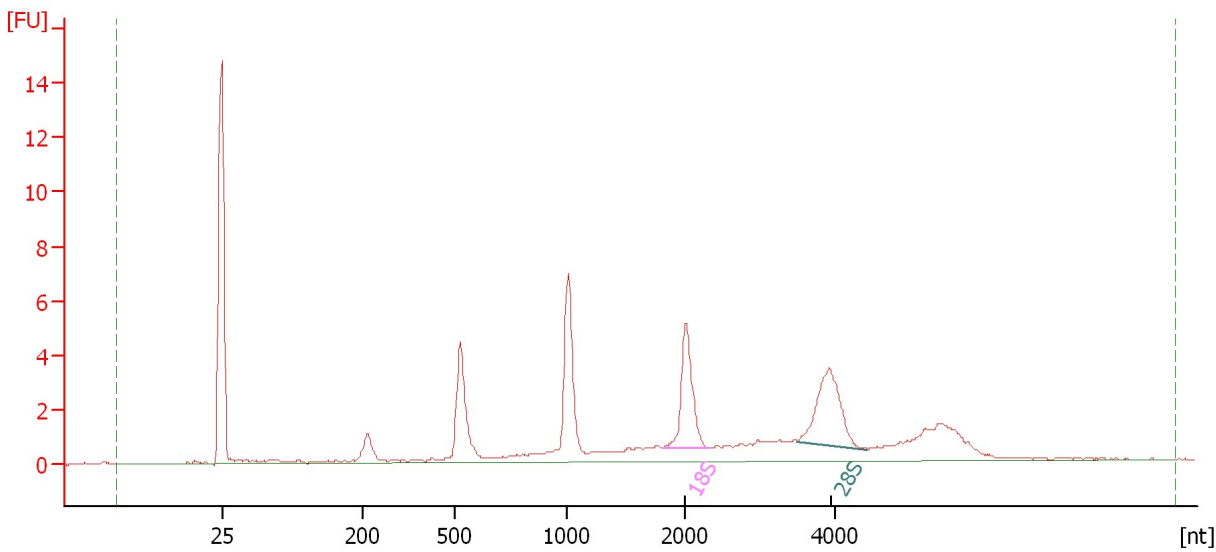
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,849	3,062	1.4	4.8

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Electropherogram Summary Continued ...

Dag pico ladder re-denatured (bad)



Overall Results for sample 3 : Dag pico ladder re-denatured (bad)

RNA Area:	56.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	277 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN N/A

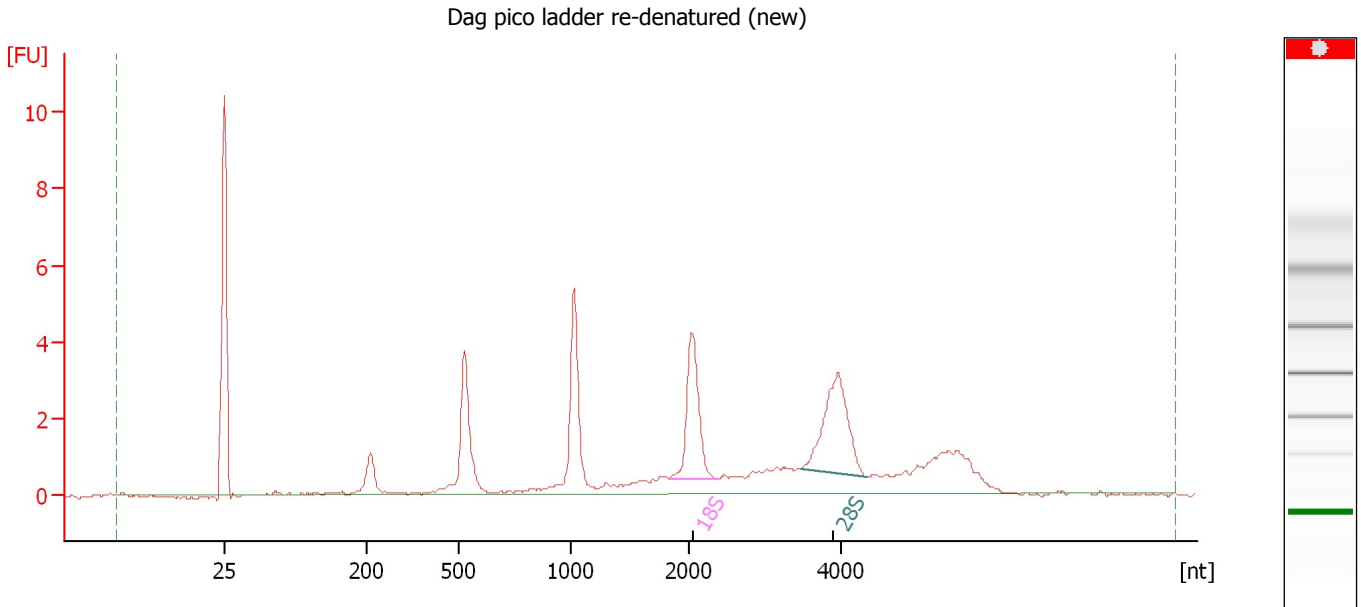
Fragment table for sample 3 : Dag pico ladder re-denatured (bad)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,814	2,319	6.0	10.7
28S	3,498	4,422	6.6	11.9

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Electropherogram Summary Continued ...



Overall Results for sample 4 : Dag pico ladder re-denatured (new)

RNA Area:	45.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	223 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN N/A

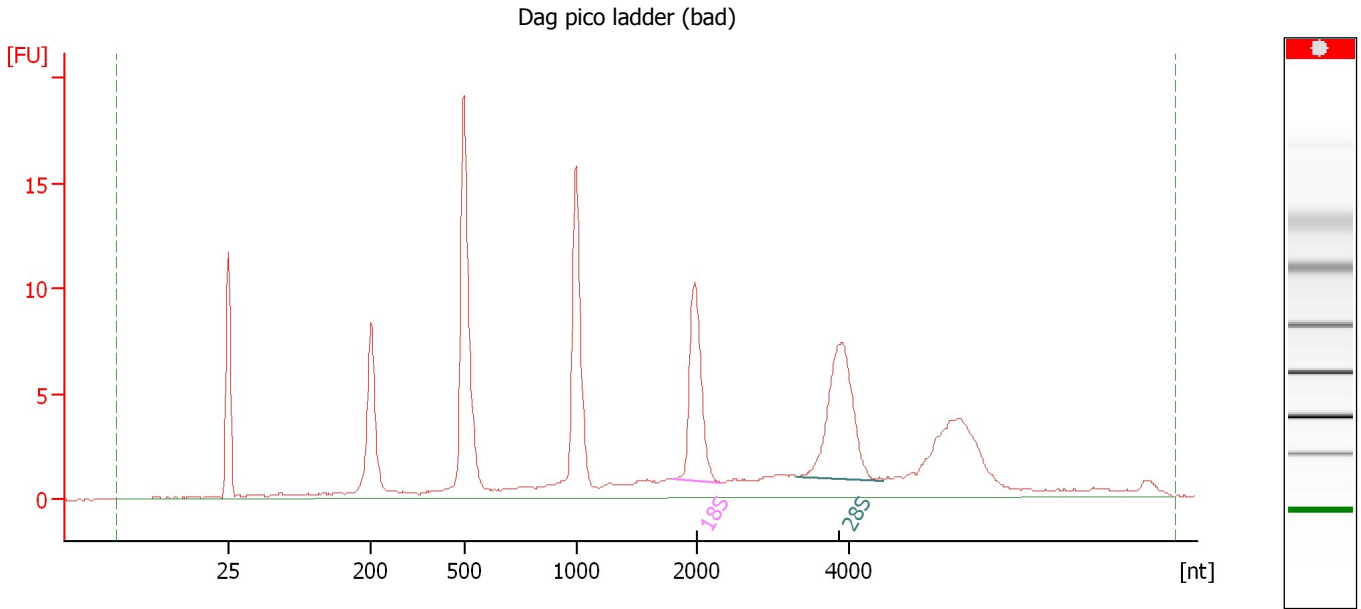
Fragment table for sample 4 : Dag pico ladder re-denatured (new)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,826	2,405	5.2	11.5
28S	3,481	4,344	6.4	14.3

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Electropherogram Summary Continued ...



Overall Results for sample 5 : Dag pico ladder (bad)

RNA Area:	141.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	700 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN N/A

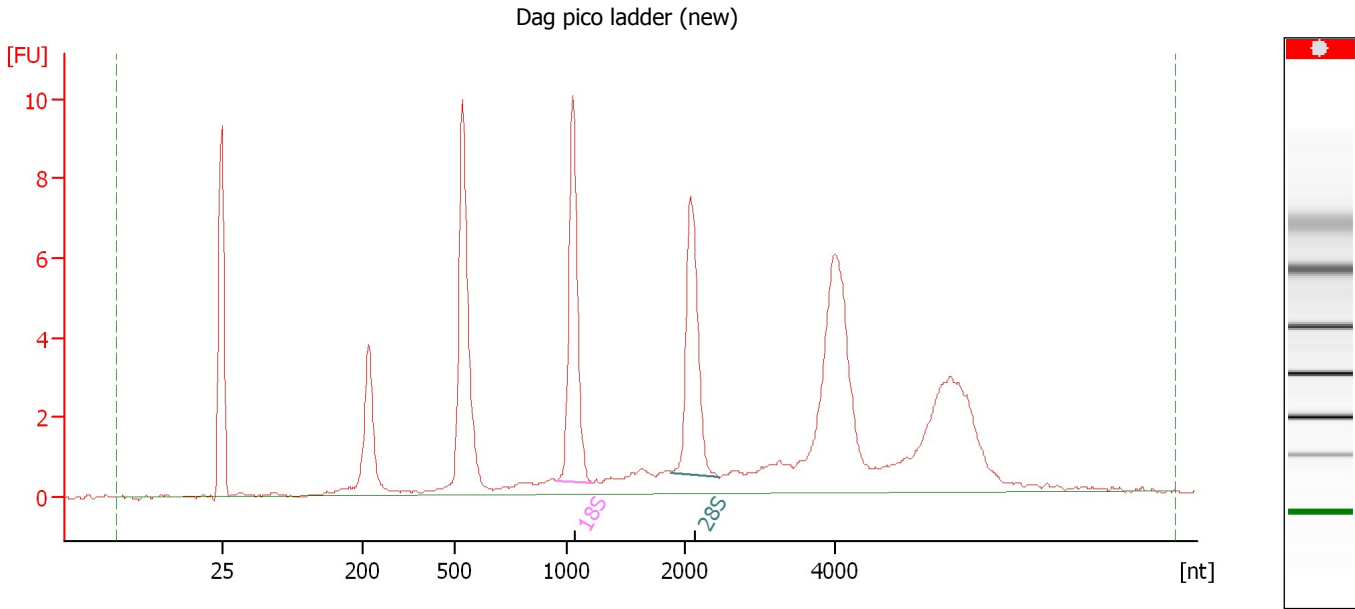
Fragment table for sample 5 : Dag pico ladder (bad)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,796	2,324	12.5	8.8
28S	3,321	4,444	16.3	11.5

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Electropherogram Summary Continued ...



Overall Results for sample 6 : Dag pico ladder (new)

RNA Area:	90.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	447 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN N/A

Fragment table for sample 6 : Dag pico ladder (new)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	953	1,219	11.2	12.4
28S	1,886	2,446	9.4	10.4

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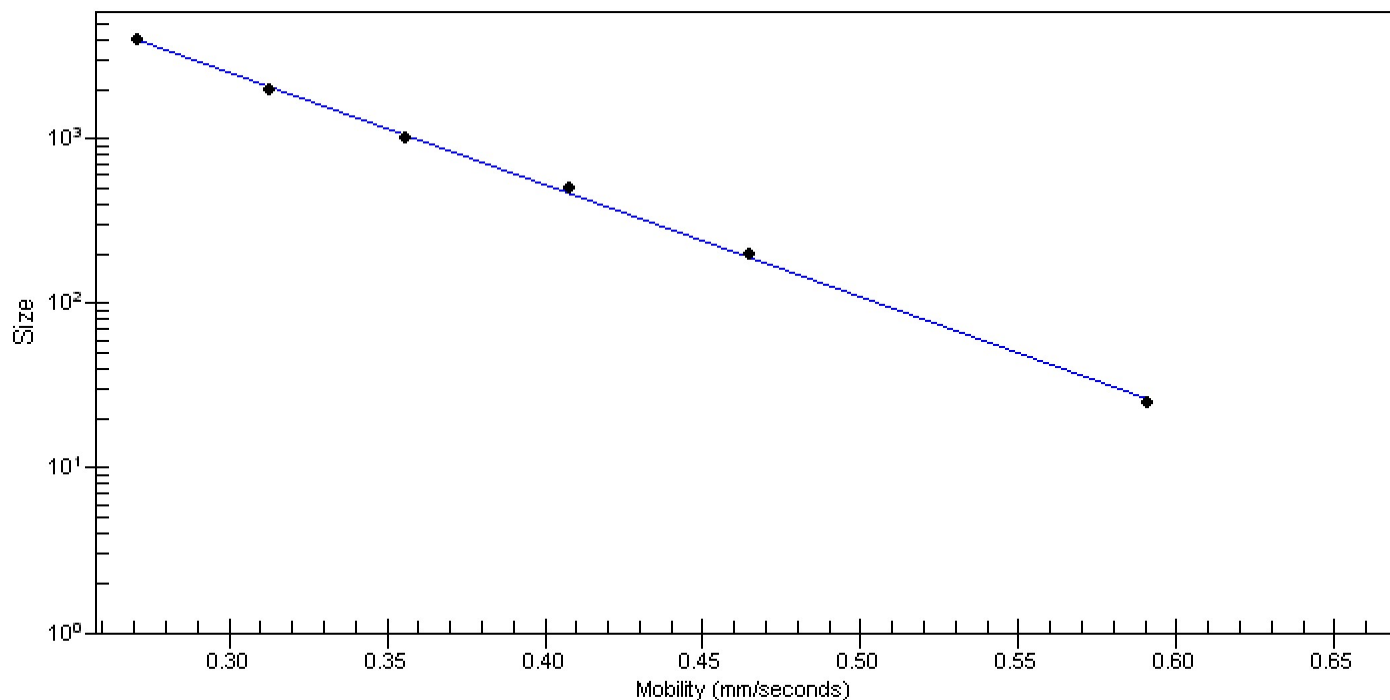
Gel Image

Assay Class: Eukaryote Total RNA Pico
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Curves

Standard Curve



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Invalid Samples

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.

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Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 7)		Instrument	Run		9/26/2014 3:35:42 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-09-26\2014-09-26_006.xad)		Instrument	Run		9/26/2014 3:20:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		9/26/2014 3:20:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/26/2014 3:20:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/26/2014 3:20:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		9/26/2014 3:20:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/26/2014 3:20:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/26/2014 3:20:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1