

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-28\2013-03-28\_002.xad

Created: 3/28/2013 2:22:59 PM  
Modified: 3/28/2013 2:34:31 PM

**Electrophoresis File Run Summary**

Instrument Information:

Instrument Name: DE13701086                      Firmware: C.01.069  
Serial#: DE13701086                              Type: G2938B

Assay Information:

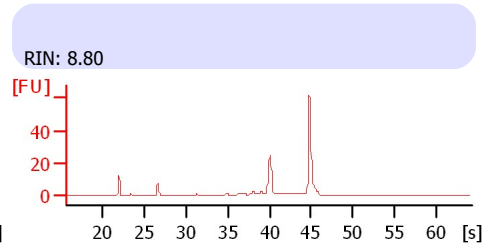
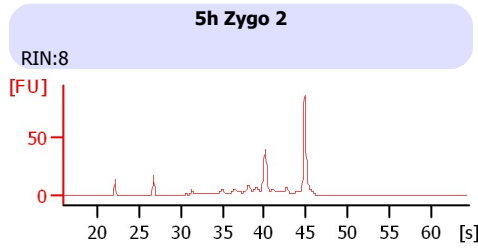
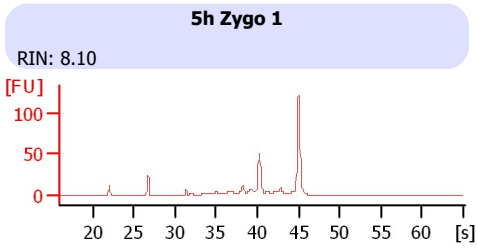
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

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:



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

Sample Name	Sample Comment	Status	Result Label	Result Color
5h Zygo 1		✓	RIN: 8.10	
5h Zygo 2		✓	RIN:8	
		✓	RIN: 8.80	
Sample 4				
Sample 5				
Sample 6				
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

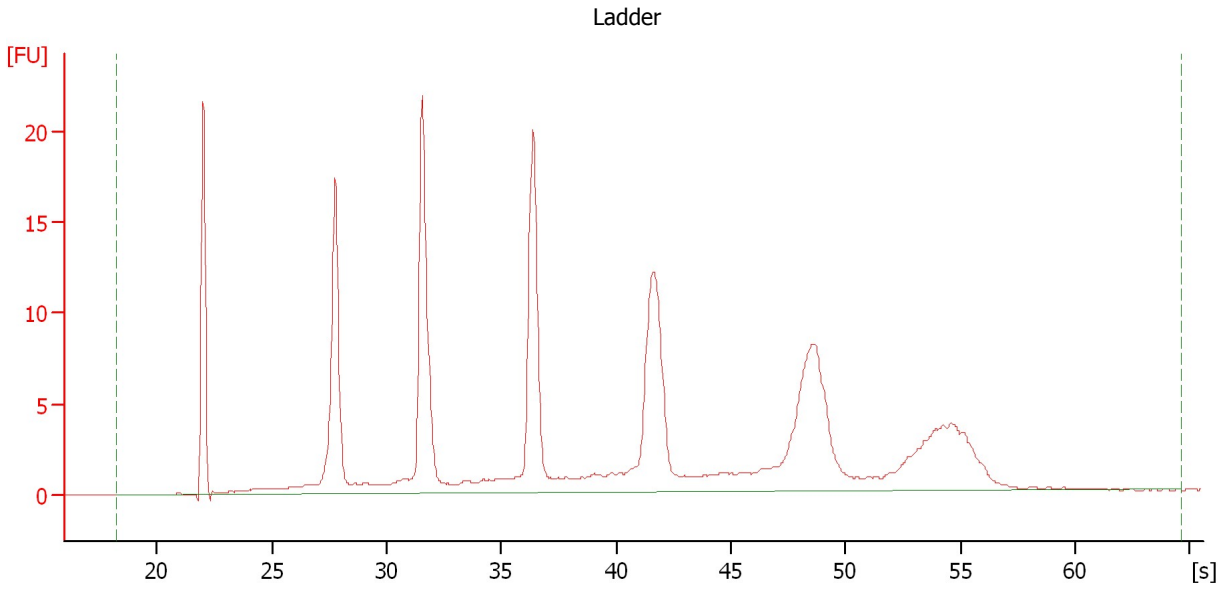
**Ladder**

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

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**Electropherogram Summary**



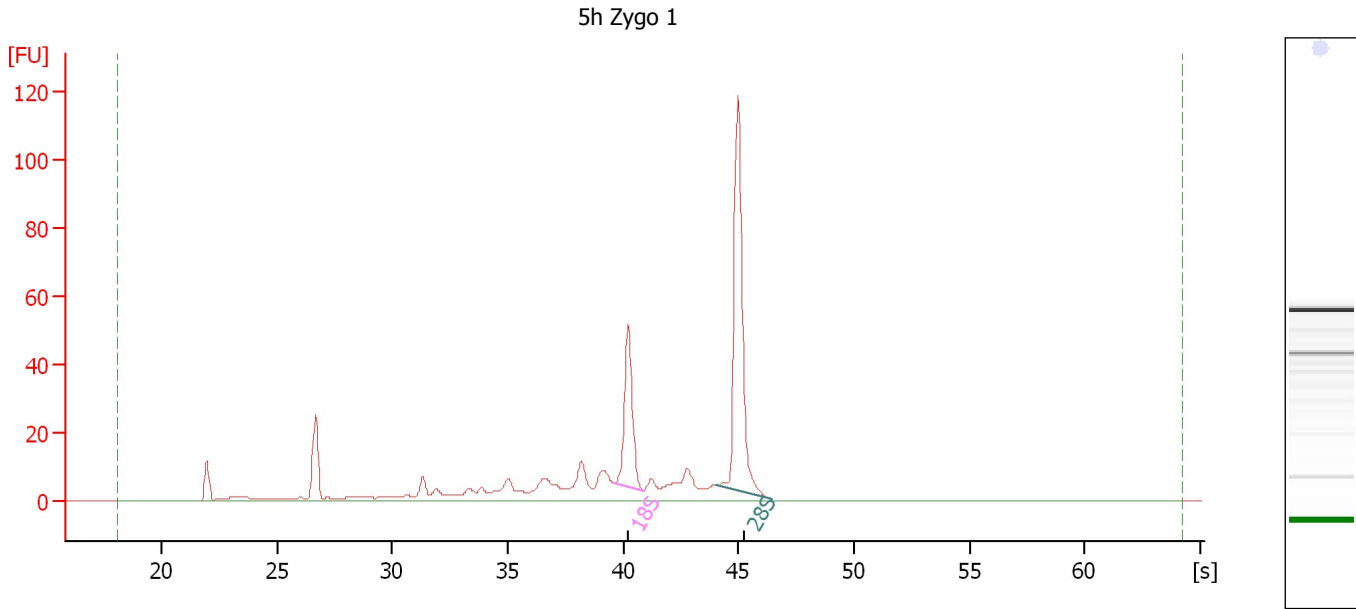
**Overall Results for Ladder**

RNA Area:	187.6	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

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 5h Zygo 1**

RNA Area: 368.9                      RNA Integrity Number (RIN): 8.1 (B.02.08)  
RNA Concentration: 1,966 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.2                      Result Flagging Label: RIN: 8.10

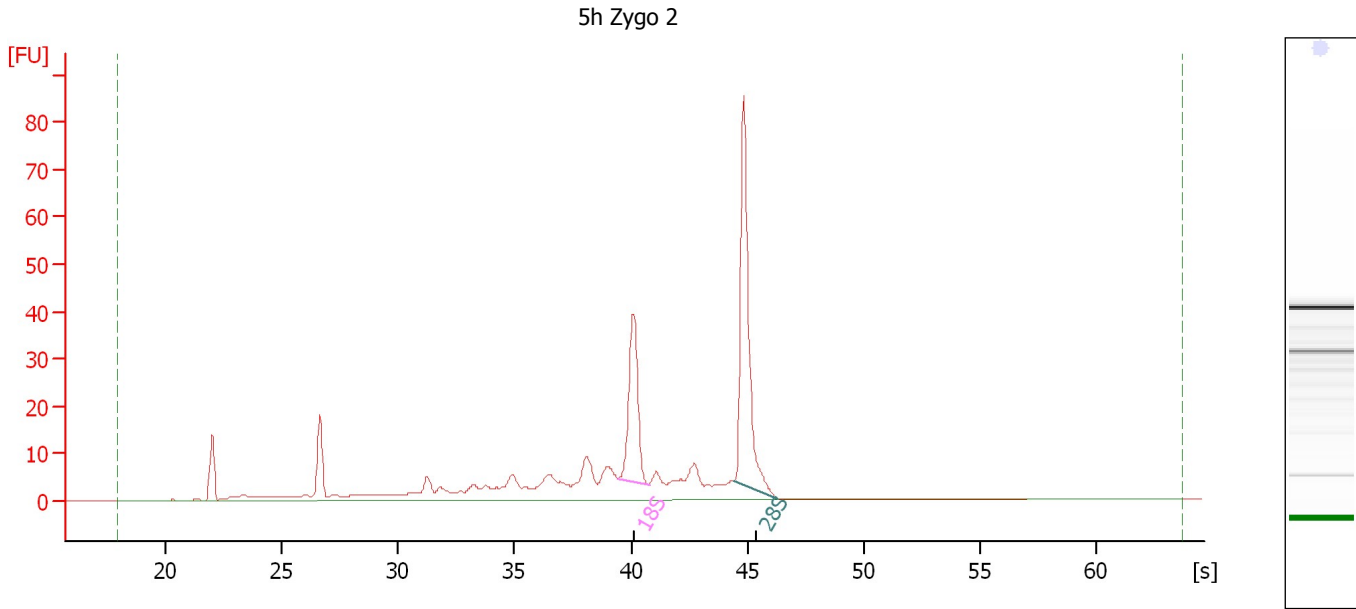
**Fragment table for sample 1 : 5h Zygo 1**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.63	40.88	47.5	12.9
28S	44.05	46.42	104.7	28.4

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 5h Zygo 2**

RNA Area:	297.1	RNA Integrity Number (RIN):	8 (B.02.08)
RNA Concentration:	1,584 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN:8

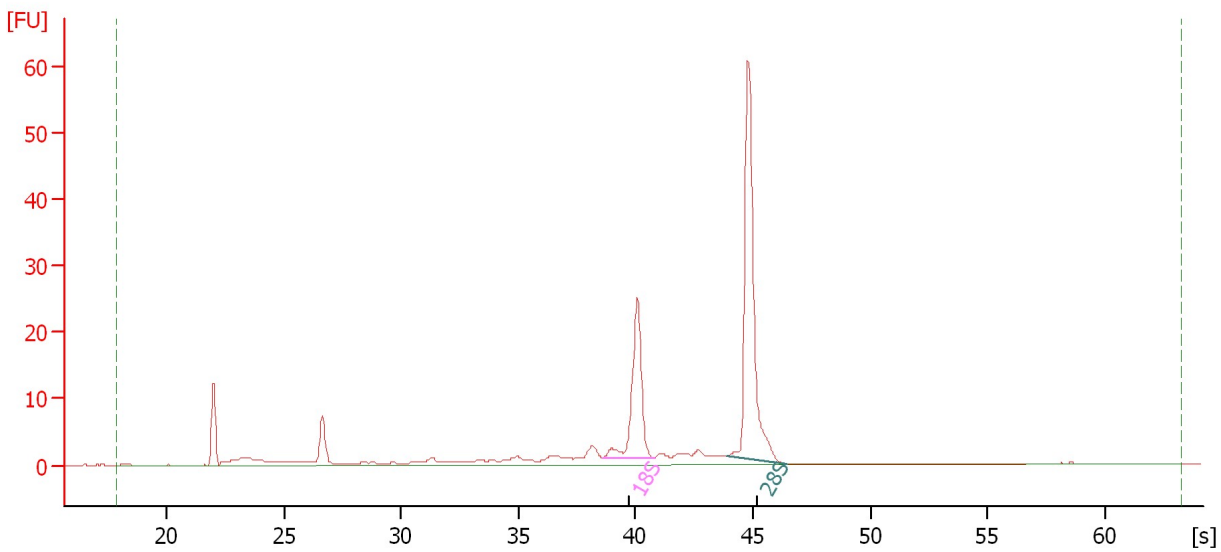
**Fragment table for sample 2 : 5h Zygo 2**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.48	40.77	38.2	12.8
28S	44.46	46.31	75.0	25.2

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 :**

RNA Area: 146.9                      RNA Integrity Number (RIN): 8.8 (B.02.08)  
RNA Concentration: 783 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.0                      Result Flagging Label: RIN: 8.80

**Fragment table for sample 3 :**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.59	40.79	28.1	19.1
28S	43.91	46.48	56.4	38.4

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**Gel Image**

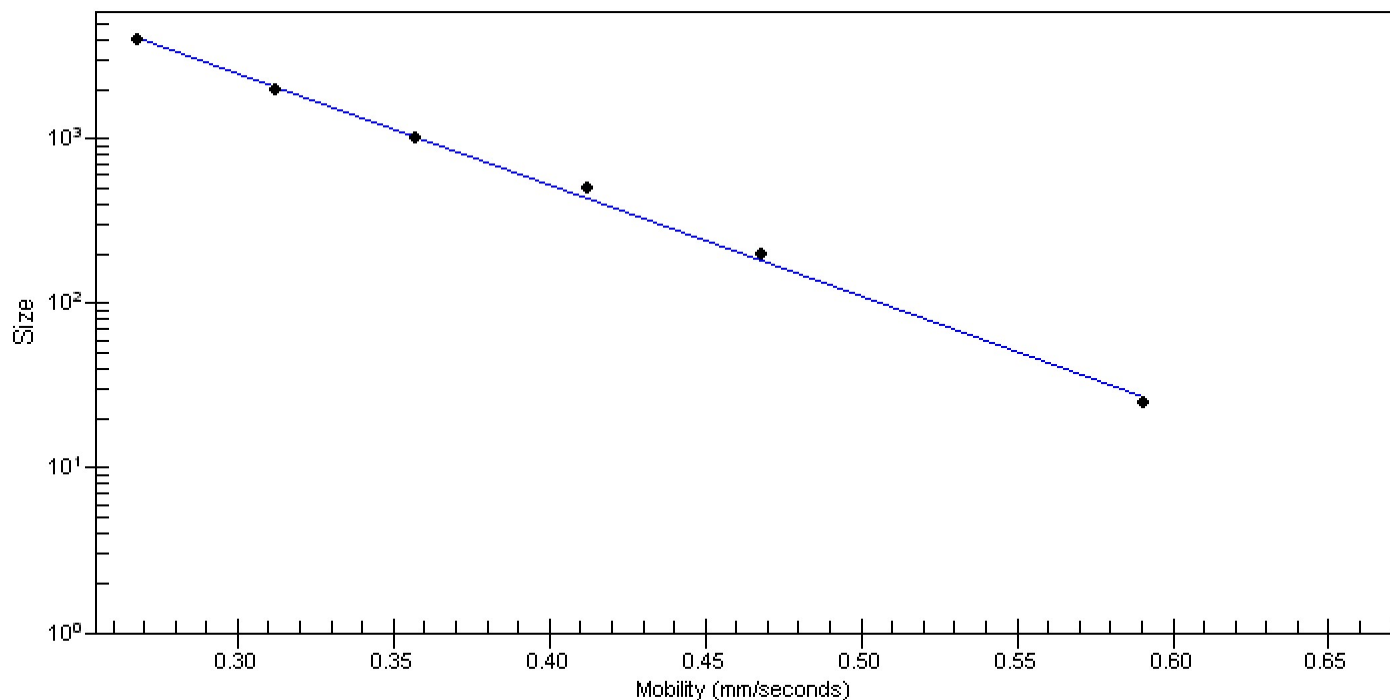


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**Curves**

**Standard Curve**



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**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.

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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: 4)		Instrument	Run		3/28/2013 2:34:26 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-03-28\2013-03-28_002.xad)		Instrument	Run		3/28/2013 2:23:04 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/28/2013 2:23:04 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/28/2013 2:23:04 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/28/2013 2:23:04 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/28/2013 2:23:04 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/28/2013 2:23:04 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/28/2013 2:23:04 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1