

Assay Class: mRNA Pico
Data Path: C:\...yzer\2015-08-04\2015-08-04_001_HiSeq164_RiboDepletedRNA.xad

Created: 8/4/2015 2:55:53 PM
Modified: 8/4/2015 3:34:13 PM

Electrophoresis File Run Summary

Instrument Information:

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

Assay Information:

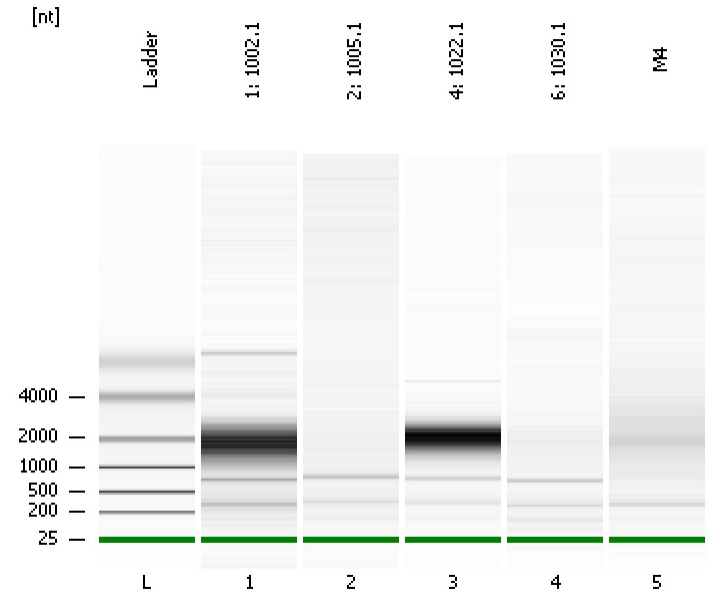
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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

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Chip Information:

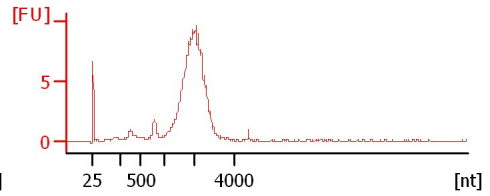
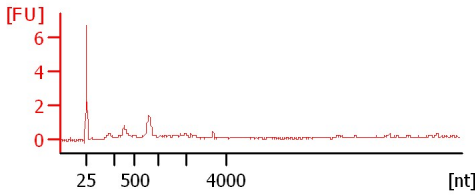
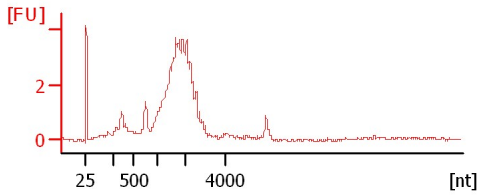
Chip Lot #: Reagent Kit Lot #: Chip Comments:



1: 1002.1

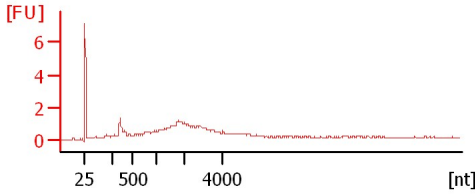
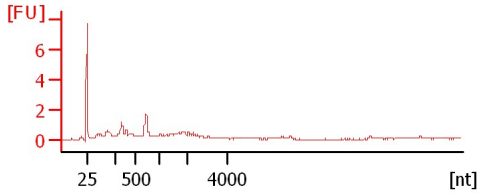
2: 1005.1

4: 1022.1



6: 1030.1

M4



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1: 1002.1		✓		
2: 1005.1		✓		
4: 1022.1		✓		
6: 1030.1		✓		
M4		✓		
Ladder		✓		

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] : 14

Maximum Visible Range [s] : 85

Start Analysis Time Range [s] : 15

End Analysis Time Range [s] : 84

Ladder Concentration [pg/ μ l] : 1000

Lower Marker Concentration [pg/ μ l] : 0

Upper Marker Concentration [pg/ μ 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

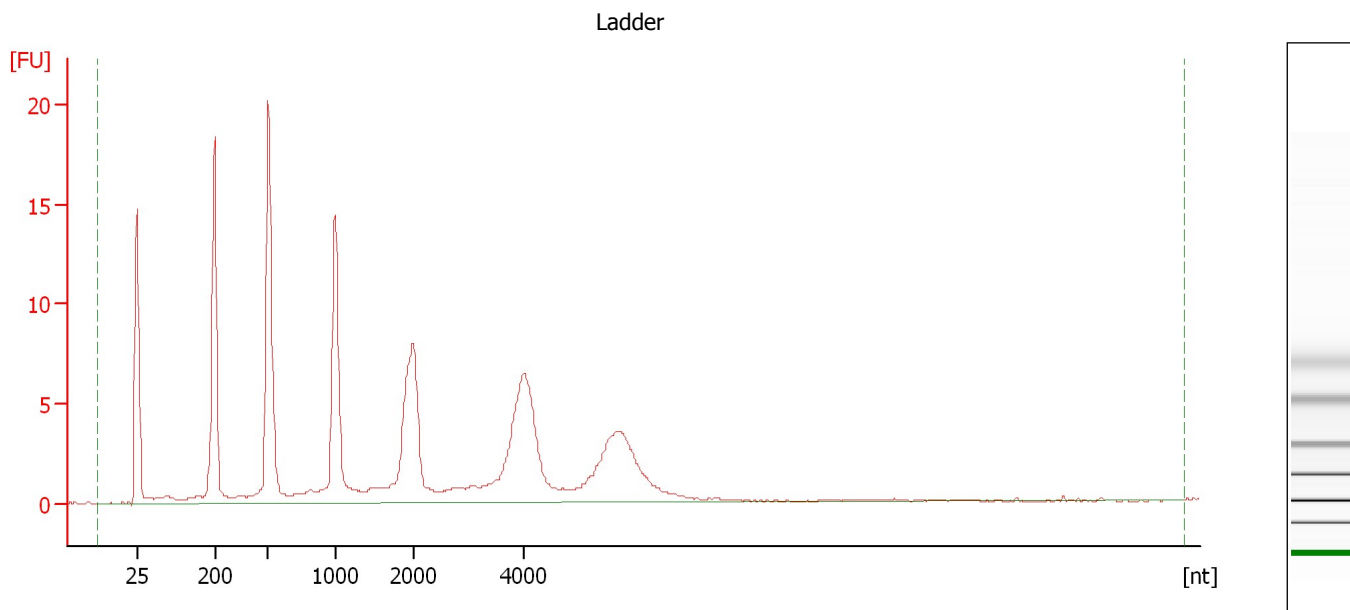
Ladder

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

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Electropherogram Summary



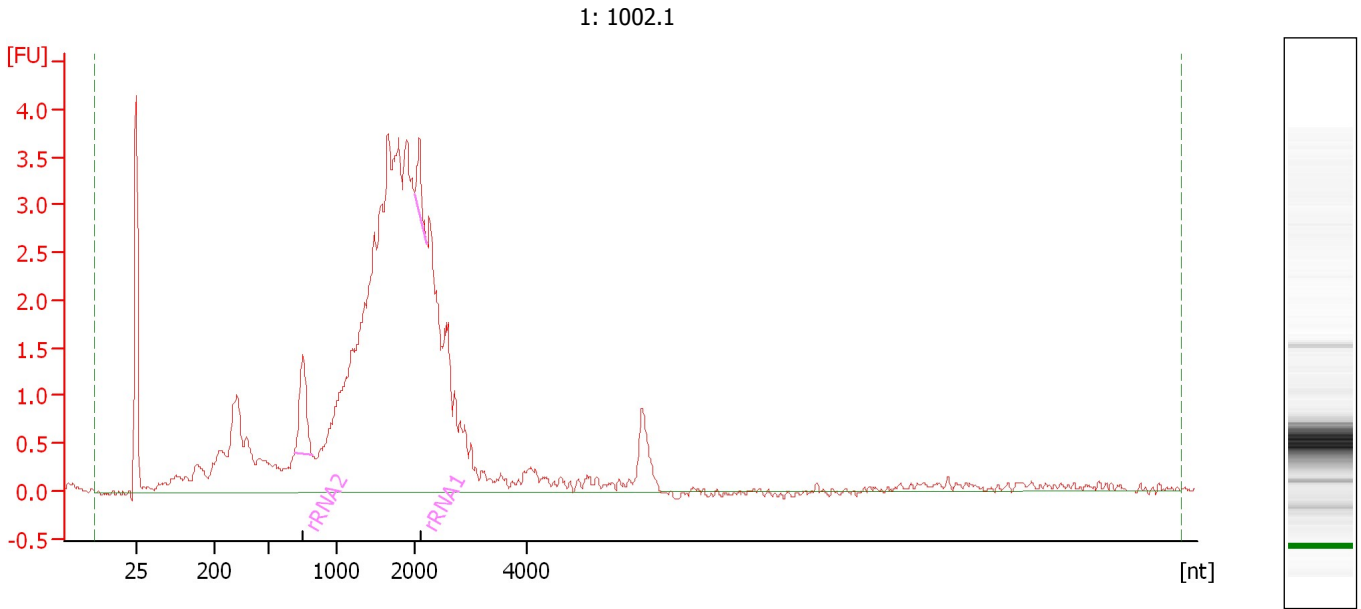
Overall Results for Ladder

RNA Area: 183.1 RNA Concentration: 1,000 pg/μl

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Electropherogram Summary Continued ...



Overall Results for sample 1 : 1: 1002.1

RNA Area: 75.3 rRNA Contamination: 3.2 %
 RNA Concentration: 411 pg/μl

Fragment table for sample 1 : 1: 1002.1

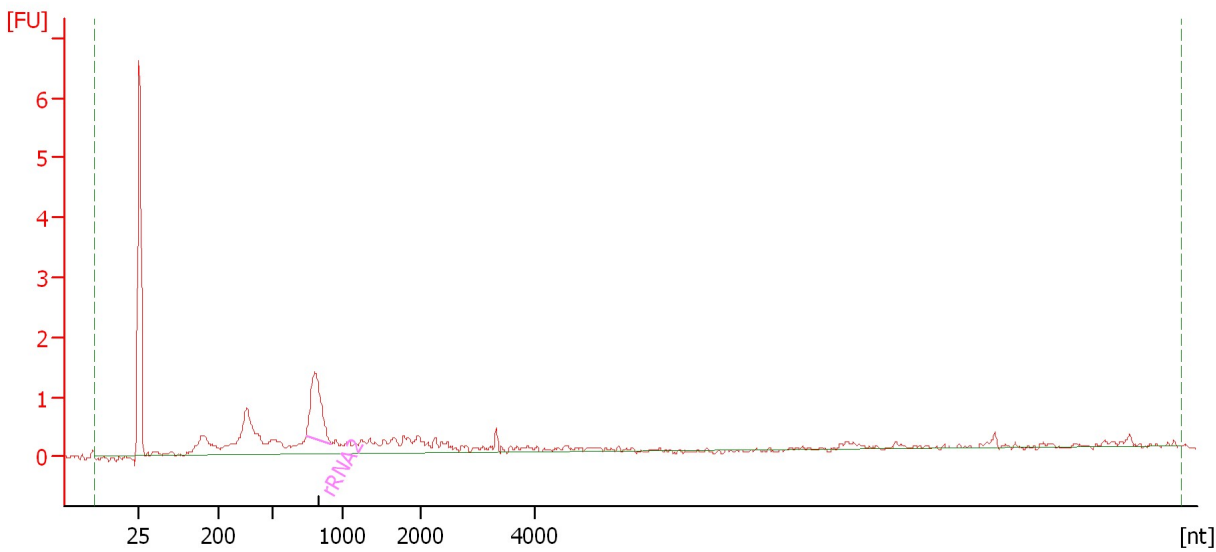
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	692	822	1.7	2.3
rRNA1	2,002	2,202	0.7	0.9

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Electropherogram Summary Continued ...

2: 1005.1



Overall Results for sample 2 : 2: 1005.1

RNA Area: 17.2 rRNA Contamination: 16.5 %
 RNA Concentration: 94 pg/μl

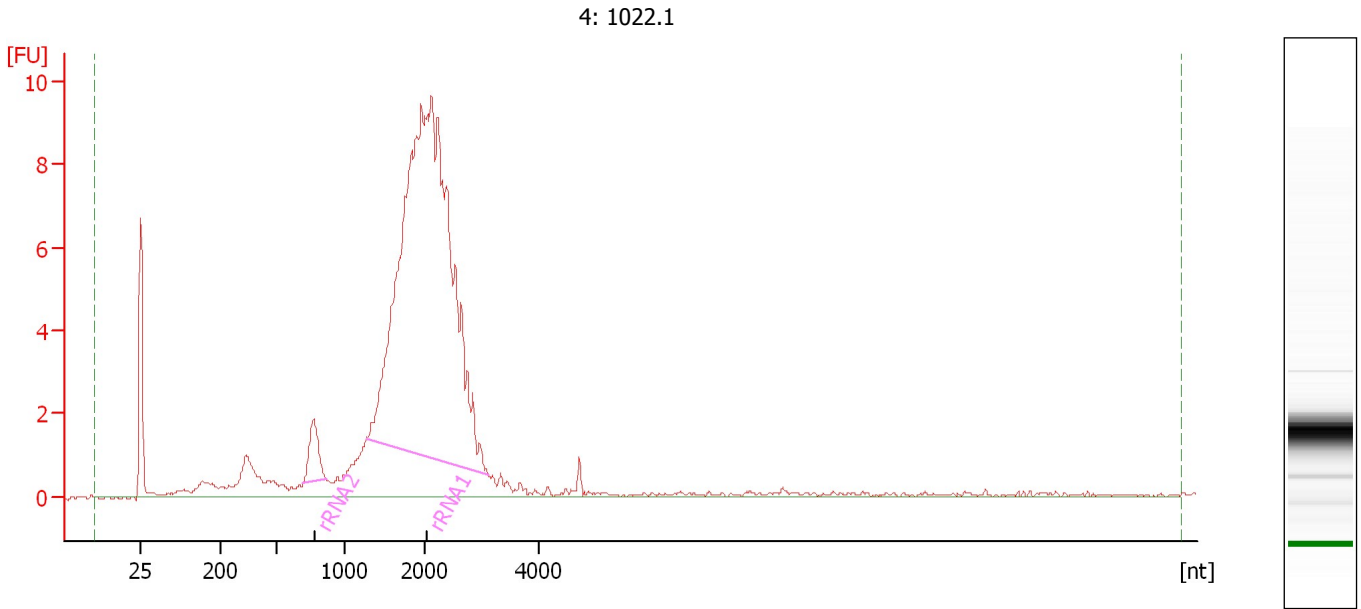
Fragment table for sample 2 : 2: 1005.1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	738	919	2.8	16.5

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Electropherogram Summary Continued ...



Overall Results for sample 3 : 4: 1022.1

RNA Area: 134.2 rRNA Contamination: 66.9 %
 RNA Concentration: 733 pg/μl

Fragment table for sample 3 : 4: 1022.1

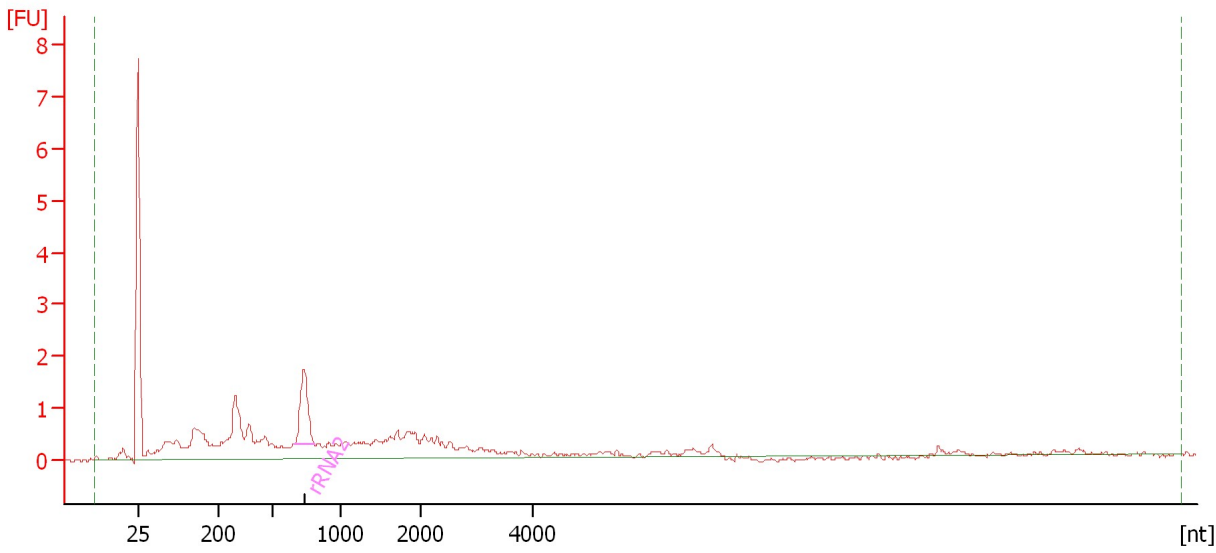
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	703	865	3.2	2.4
rRNA1	1,268	3,116	86.5	64.4

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Electropherogram Summary Continued ...

6: 1030.1



Overall Results for sample 4 : 6: 1030.1

RNA Area: 31.5 rRNA Contamination: 8.6 %
 RNA Concentration: 172 pg/μl

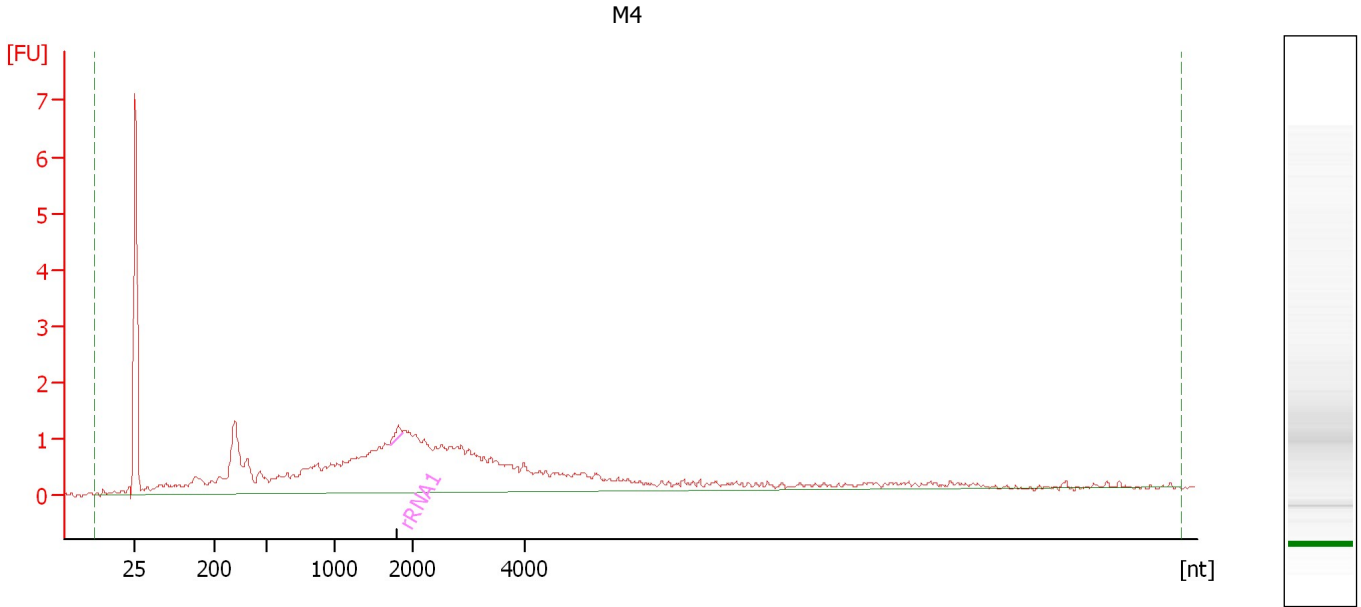
Fragment table for sample 4 : 6: 1030.1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	671	812	2.7	8.6

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Electropherogram Summary Continued ...



Overall Results for sample 5 : M4

RNA Area: 47.6 rRNA Contamination: 0.5 %
 RNA Concentration: 260 pg/μl

Fragment table for sample 5 : M4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,706	1,859	0.2	0.5

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Gel Image

