

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-21\2015-05-21_005.xad

Created: 5/21/2015 4:16:48 PM
Modified: 5/21/2015 5:03:10 PM

Electrophoresis File Run Summary

Instrument Information:

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

Assay Information:

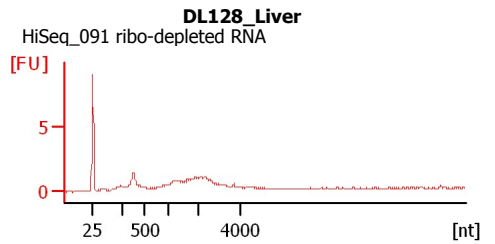
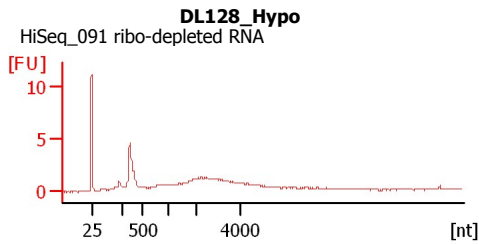
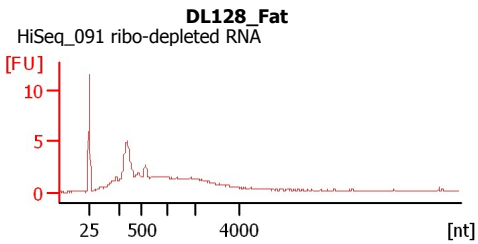
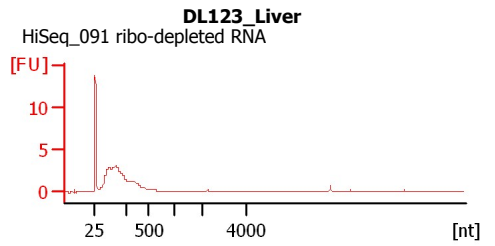
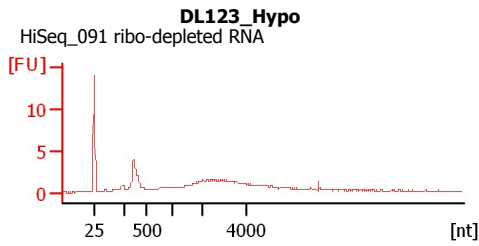
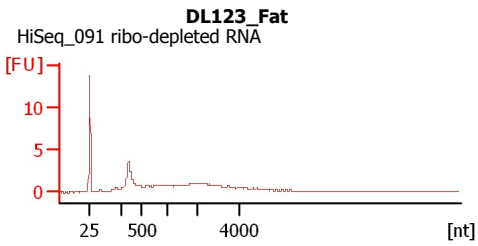
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
DL123_Fat	HiSeq_091 ribo-depleted RNA	✓		
DL123_Hypo	HiSeq_091 ribo-depleted RNA	✓		
DL123_Liver	HiSeq_091 ribo-depleted RNA	✓		
DL128_Fat	HiSeq_091 ribo-depleted RNA	✓		
DL128_Hypo	HiSeq_091 ribo-depleted RNA	✓		
DL128_Liver	HiSeq_091 ribo-depleted RNA	✓		
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
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/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] : 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

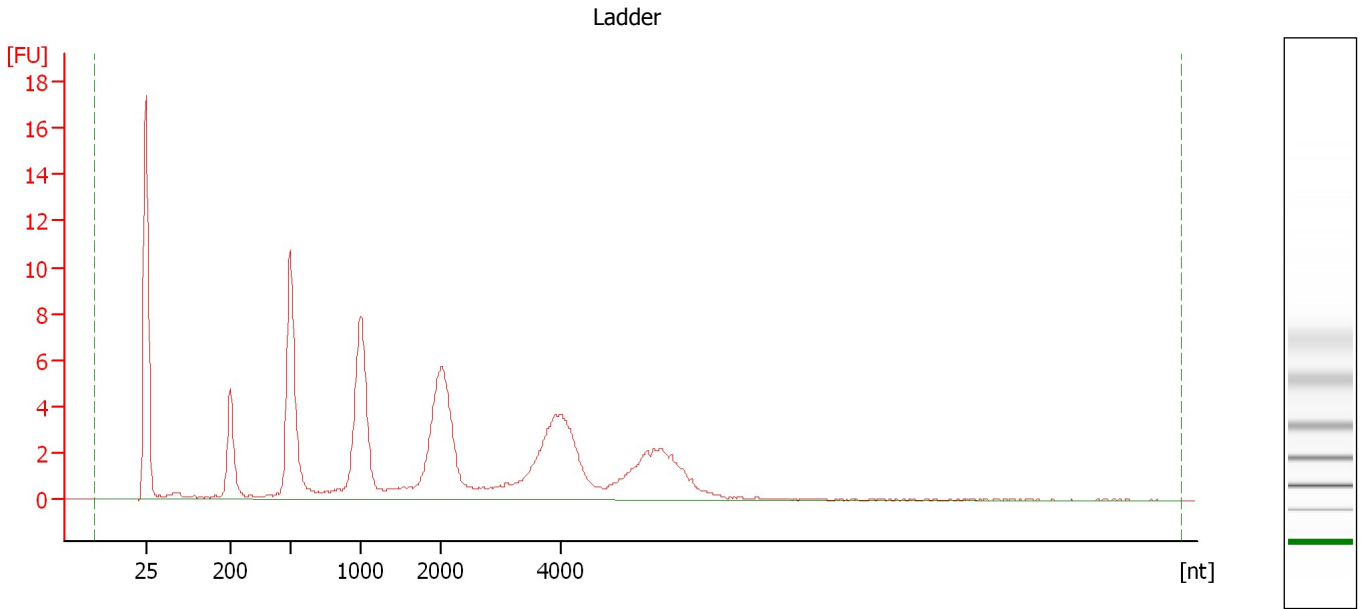
Ladder

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

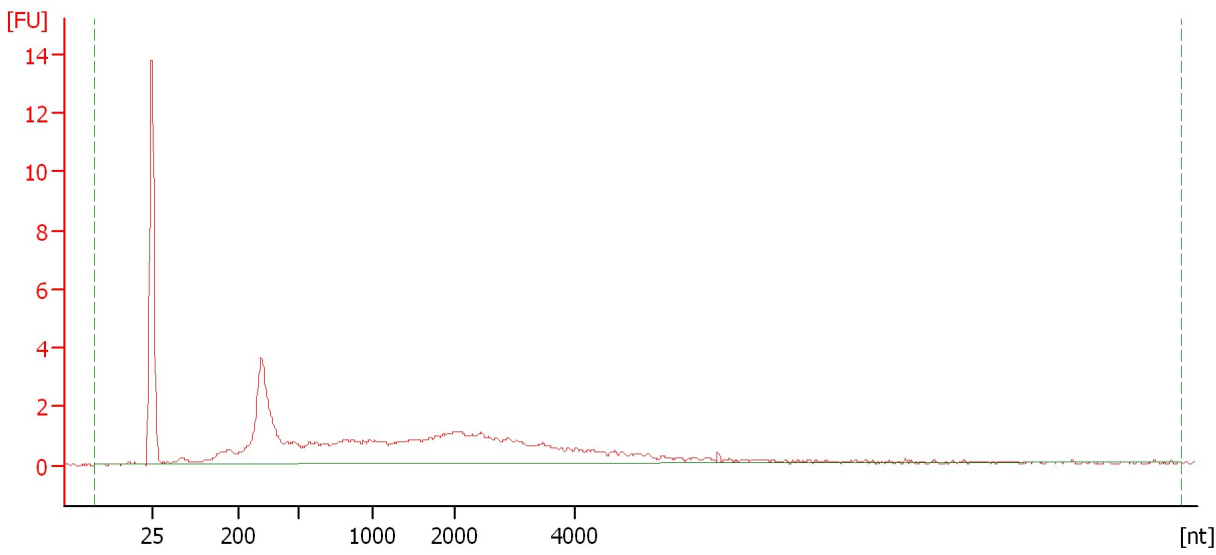
RNA Area: 132.7 RNA Concentration: 1,000 pg/μl

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Electropherogram Summary Continued ...

DL123_Fat [HiSeq_091 ribo-depleted RNA]



Overall Results for sample 1 : DL123_Fat

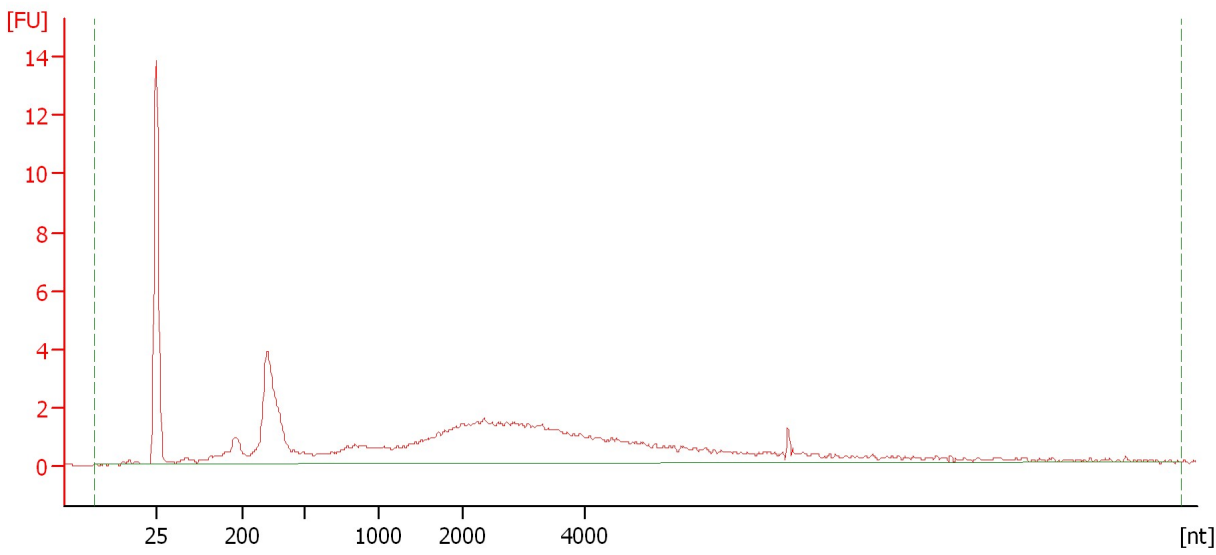
RNA Area: 65.6 rRNA Contamination: 0.0 %
RNA Concentration: 495 pg/μl

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Electropherogram Summary Continued ...

DL123_Hypo [HiSeq_091 ribo-depleted RNA]



Overall Results for sample 2 : DL123_Hypo

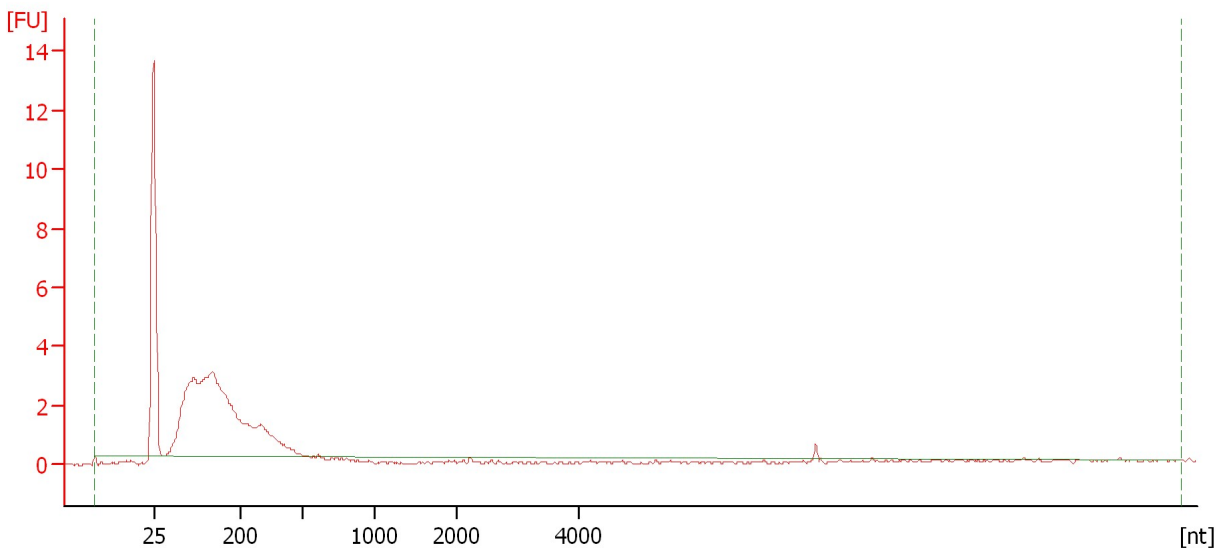
RNA Area: 79.0 rRNA Contamination: 0.0 %
RNA Concentration: 596 pg/μl

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Electropherogram Summary Continued ...

DL123_Liver [HiSeq_091 ribo-depleted RNA]



Overall Results for sample 3 : DL123 Liver

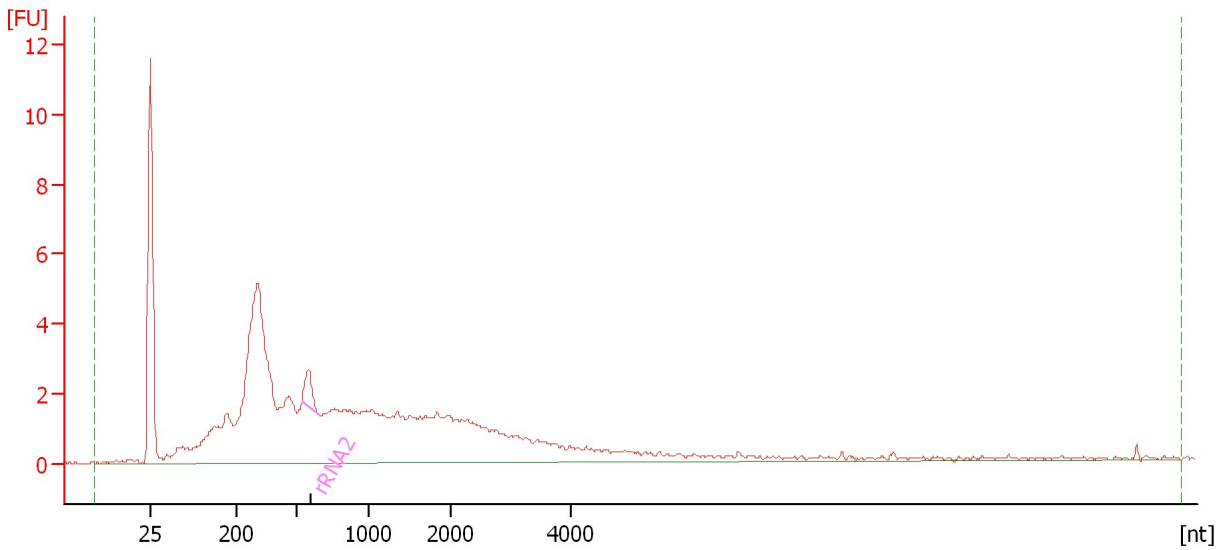
RNA Area: 49.1 rRNA Contamination: 0.0 %
RNA Concentration: 370 pg/μl

Assay Class: mRNA Pico
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Electropherogram Summary Continued ...

DL128_Fat [HiSeq_091 ribo-depleted RNA]



Overall Results for sample 4 : DL128_Fat

RNA Area: 115.5 rRNA Contamination: 1.6 %
RNA Concentration: 871 pg/μl

Fragment table for sample 4 : DL128_Fat

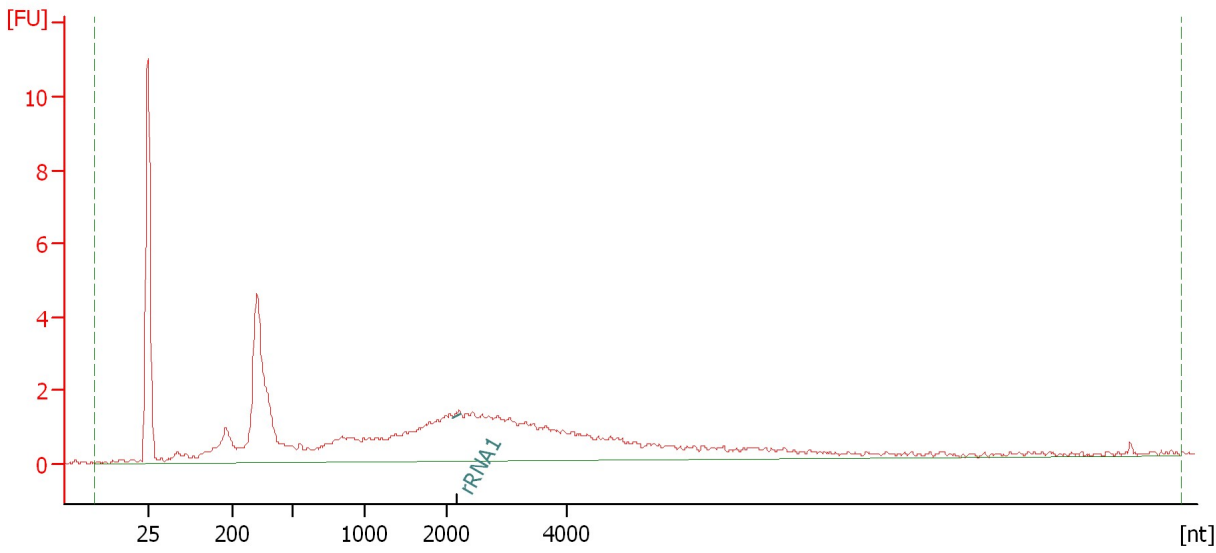
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	534	661	1.8	1.6

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Electropherogram Summary Continued ...

DL128_Hypo [HiSeq_091 ribo-depleted RNA]



Overall Results for sample 5 : DL128 Hypo

RNA Area: 80.2 rRNA Contamination: 0.1 %
RNA Concentration: 604 pg/μl

Fragment table for sample 5 : DL128 Hypo

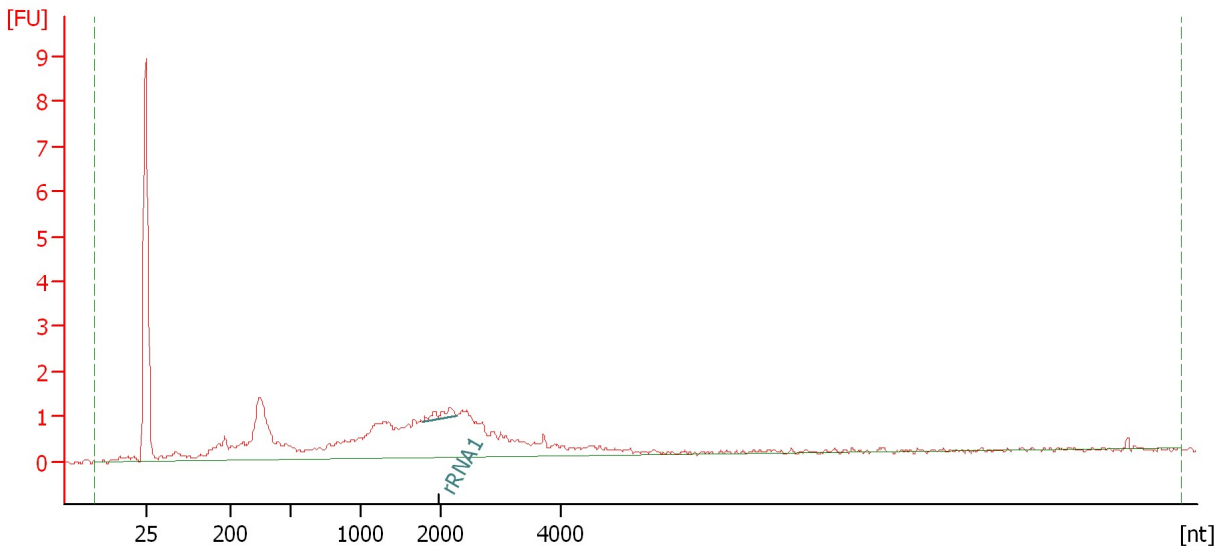
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	2,121	2,254	0.1	0.1

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Electropherogram Summary Continued ...

DL128_Liver [HiSeq_091 ribo-depleted RNA]



Overall Results for sample 6 : DL128 Liver

RNA Area: 38.6 rRNA Contamination: 1.4 %
 RNA Concentration: 291 pg/μl

Fragment table for sample 6 : DL128 Liver

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,762	2,241	0.6	1.4

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Gel Image

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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.