

Assay Class: mRNA Pico
Data Path: D:\...20\2100 expert_mRNA Pico_DE24802235_2011-09-20_18-40-26.xad

Created: 9/20/2011 6:40:26 PM
Modified: 9/20/2011 6:56:19 PM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: Ann's baby Firmware: C.01.069
Serial#: DE24802235 Type: G2938B

Assay Information:

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

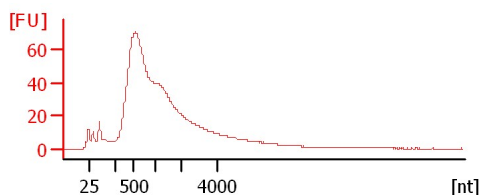
Assay Class: mRNA Pico
Version: 2.6
Assay Comments: mRNA Analysis pg sensitivity

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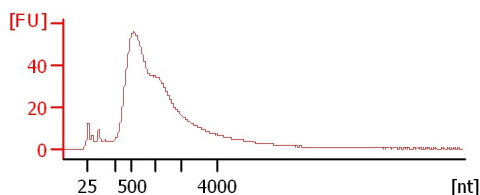
Chip Information:

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

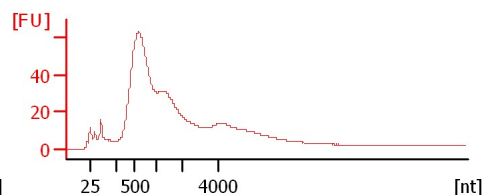
LSC-RT-#3



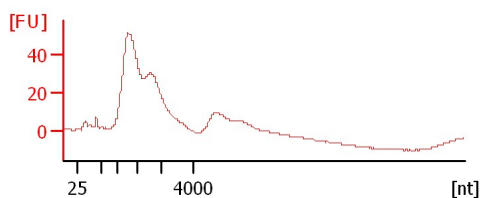
LSC-RT-#4



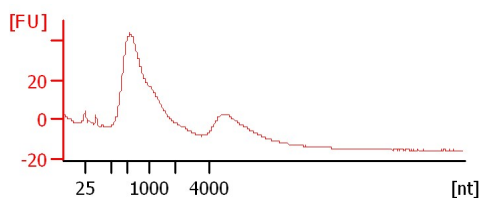
LSC-RT-#5



LSC-SM-#3



LSC-SM-#4



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
LSC-RT-#3		✓		
LSC-RT-#4		✓		
LSC-RT-#5		✓		
LSC-SM-#3		✓		
LSC-SM-#4		✓		
Sample6				
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

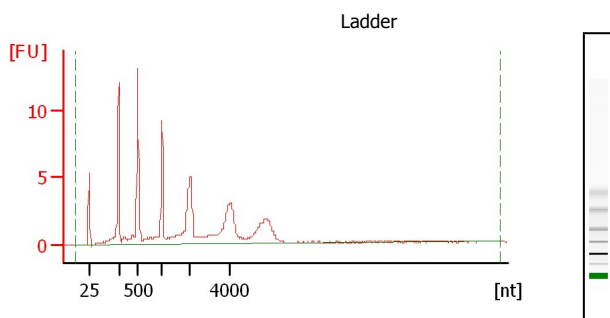
Ladder

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

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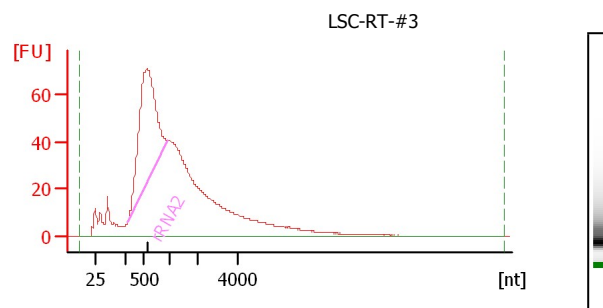
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Electropherogram Summary



Overall Results for Ladder

RNA Area: 118.3
RNA Concentration: 1,000 pg/μl

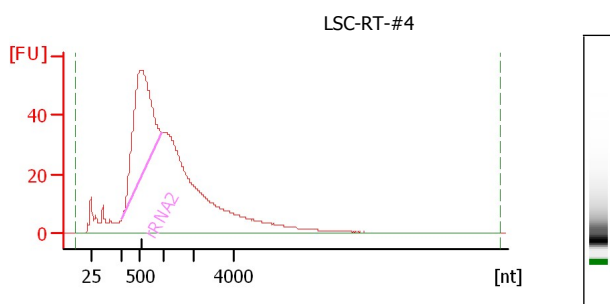


Overall Results for sample 1 : LSC-RT-#3

RNA Area: 2,086.9
RNA Concentration: 17,641 pg/μl
rRNA Contamination: 26.2 %

Fragment table for sample 1 : LSC-RT-#3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	227	963	547.1	26.2

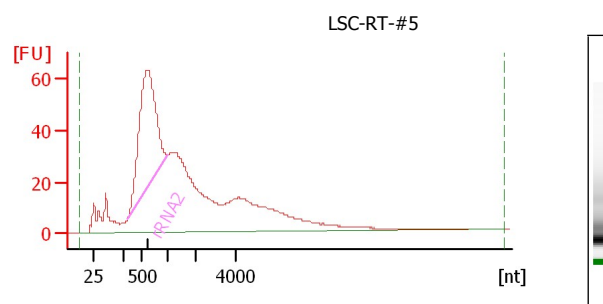


Overall Results for sample 2 : LSC-RT-#4

RNA Area: 1,691.6
RNA Concentration: 14,300 pg/μl
rRNA Contamination: 25.7 %

Fragment table for sample 2 : LSC-RT-#4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	213	942	434.9	25.7



Overall Results for sample 3 : LSC-RT-#5

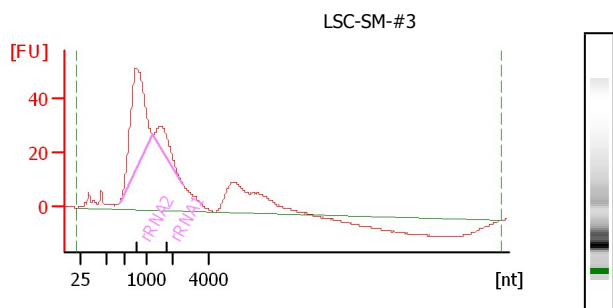
RNA Area: 1,901.3
RNA Concentration: 16,072 pg/μl
rRNA Contamination: 27.4 %

Fragment table for sample 3 : LSC-RT-#5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	258	1,029	520.8	27.4

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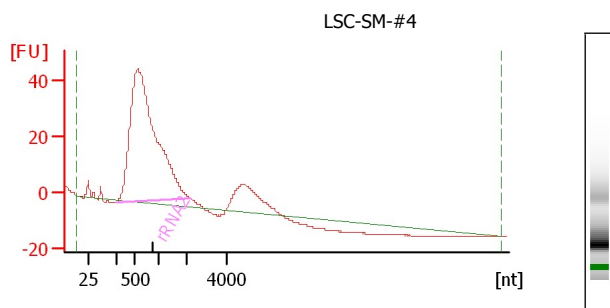
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Electropherogram Summary Continued ...**Overall Results for sample 4 : LSC-SM-#3**

RNA Area: 1,328.2
RNA Concentration: 11,228 pg/μl
rRNA Contamination: 31.9 %

Fragment table for sample 4 : LSC-SM-#3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	419	1,244	358.0	27.0
rRNA1	1,256	2,578	65.5	4.9

**Overall Results for sample 5 : LSC-SM-#4**

RNA Area: 981.1
RNA Concentration: 8,294 pg/μl
rRNA Contamination: 85.6 %

Fragment table for sample 5 : LSC-SM-#4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	190	2,215	839.5	85.6

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