

Assay Class: Prokaryote Total RNA Pico
Data Path: D:\...rokaryote Total RNA Pico_DE24802235_2011-03-22_18-19-31.xad

Created: 3/22/2011 6:19:31 PM
Modified: 3/22/2011 7:34:02 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\Prokaryote Total RNA Pico Series II.xsy

Assay Class: Prokaryote Total RNA Pico

Version: 2.5

Assay Comments: Total RNA Analysis pg sensitivity (Prokaryote)

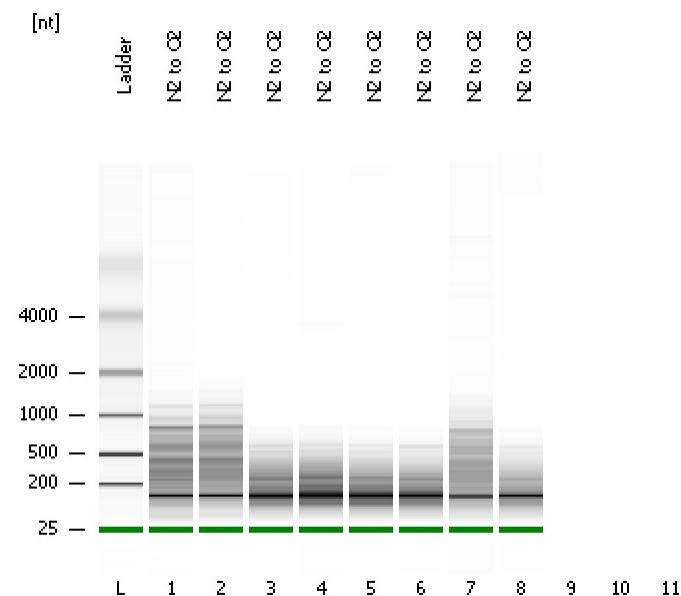
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

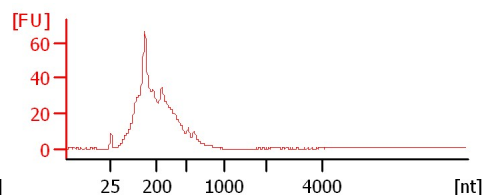
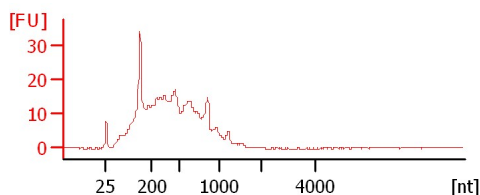
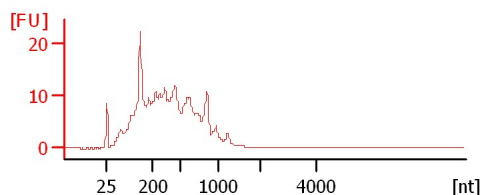
Chip Comments:



N2 to O2

N2 to O2

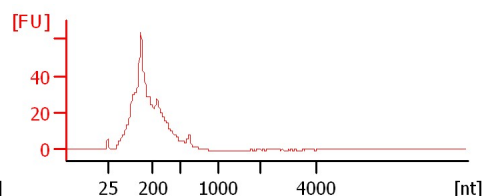
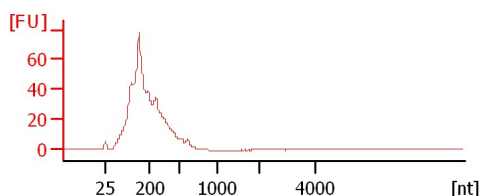
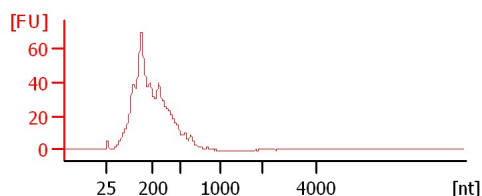
N2 to O2



N2 to O2

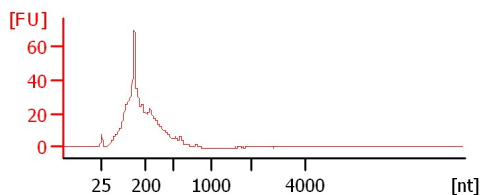
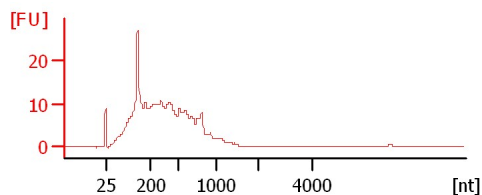
N2 to O2

N2 to O2



N2 to O2

N2 to O2



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
N2 to O2		✓		
N2 to O2		✓		
N2 to O2		✓		
N2 to O2		✓		
N2 to O2		✓		
N2 to O2		✓		
N2 to O2		✓		
N2 to O2		✓		

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/ 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] : 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

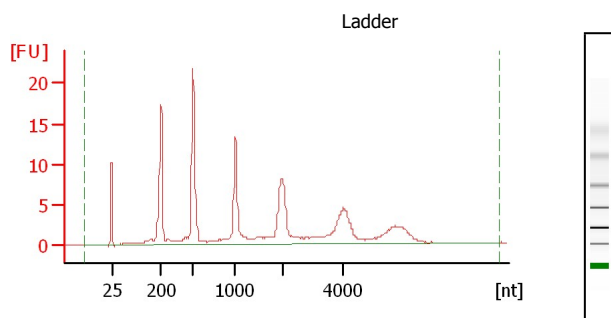
Ladder

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

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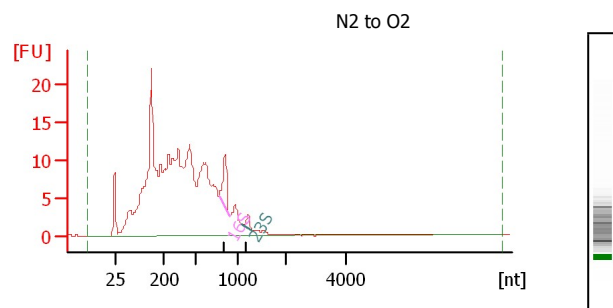
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Electropherogram Summary



Overall Results for Ladder

RNA Area: 157.5
 RNA Concentration: 1,000 pg/μl

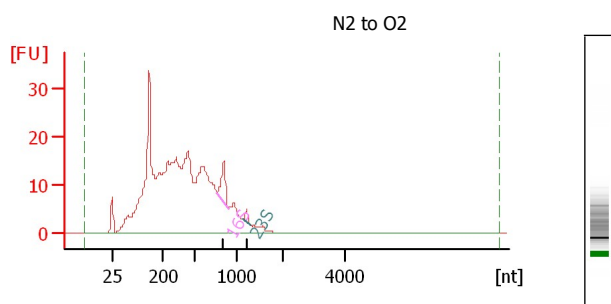


Overall Results for sample 1 : N2 to O2

RNA Area: 355.0
 RNA Concentration: 2,254 pg/μl
 rRNA Ratio [23s / 16s]: 0.2
 RNA Integrity Number (RIN): 3 (B.02.07)

Fragment table for sample 1 : N2 to O2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	767	896	10.5	3.0
23S	1,090	1,297	2.0	0.6

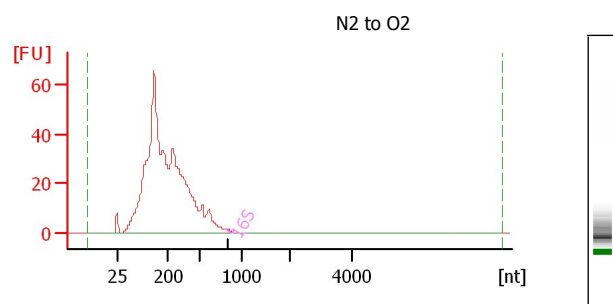


Overall Results for sample 2 : N2 to O2

RNA Area: 512.2
 RNA Concentration: 3,252 pg/μl
 rRNA Ratio [23s / 16s]: 0.2
 RNA Integrity Number (RIN): 2.8 (B.02.07)

Fragment table for sample 2 : N2 to O2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	774	902	13.2	2.6
23S	1,129	1,308	3.2	0.6



Overall Results for sample 3 : N2 to O2

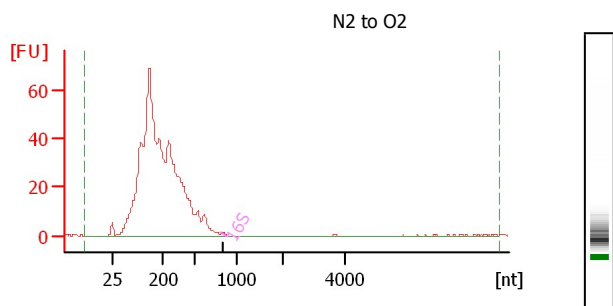
RNA Area: 794.7
 RNA Concentration: 5,045 pg/μl
 rRNA Ratio [23s / 16s]: 0.0
 RNA Integrity Number (RIN): 2.2 (B.02.07)

Fragment table for sample 3 : N2 to O2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	795	873	1.1	0.1

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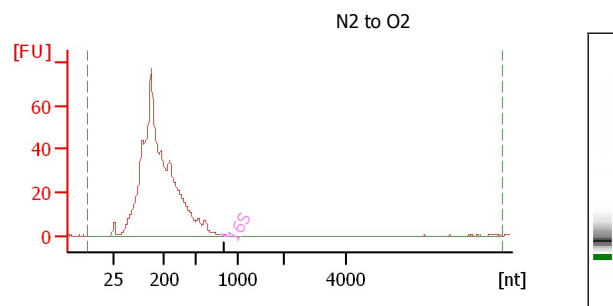
Electropherogram Summary Continued ...**Overall Results for sample 4 : N2 to O2**

RNA Area: 909.7
RNA Concentration: 5,775 pg/μl
rRNA Ratio [23s / 16s]: 0.0
RNA Integrity Number (RIN): 2.1 (B.02.07)

Fragment table for sample 4 : N2 to O2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
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16S	818	898	0.6	0.1
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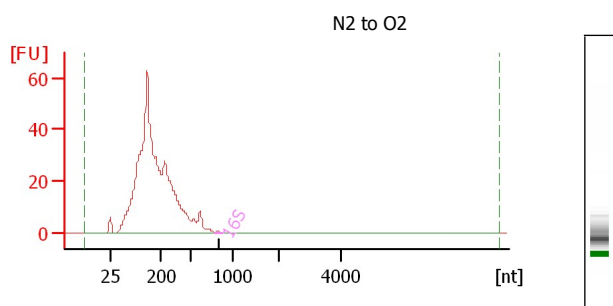
**Overall Results for sample 5 : N2 to O2**

RNA Area: 884.3
RNA Concentration: 5,614 pg/μl
rRNA Ratio [23s / 16s]: 0.0
RNA Integrity Number (RIN): 2.2 (B.02.07)

Fragment table for sample 5 : N2 to O2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
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16S	799	884	0.7	0.1
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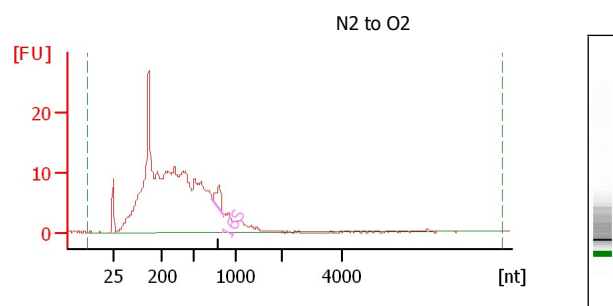
**Overall Results for sample 6 : N2 to O2**

RNA Area: 664.3
RNA Concentration: 4,217 pg/μl
rRNA Ratio [23s / 16s]: 0.0
RNA Integrity Number (RIN): 2.2 (B.02.07)

Fragment table for sample 6 : N2 to O2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
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16S	785	865	0.8	0.1
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**Overall Results for sample 7 : N2 to O2**

RNA Area: 349.0
RNA Concentration: 2,216 pg/μl
rRNA Ratio [23s / 16s]: 0.0
RNA Integrity Number (RIN): 2.6 (B.02.07)

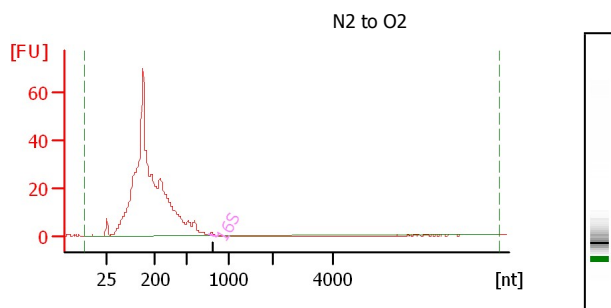
Fragment table for sample 7 : N2 to O2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
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16S	723	853	7.5	2.1
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Electropherogram Summary Continued ...**Overall Results for sample 8 : N2 to O2**

RNA Area: 605.2
RNA Concentration: 3,842 pg/μl
rRNA Ratio [23s / 16s]: 0.0
RNA Integrity Number (RIN): 2.3 (B.02.07)

Fragment table for sample 8 : N2 to O2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
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16S	762	863	1.8	0.3
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