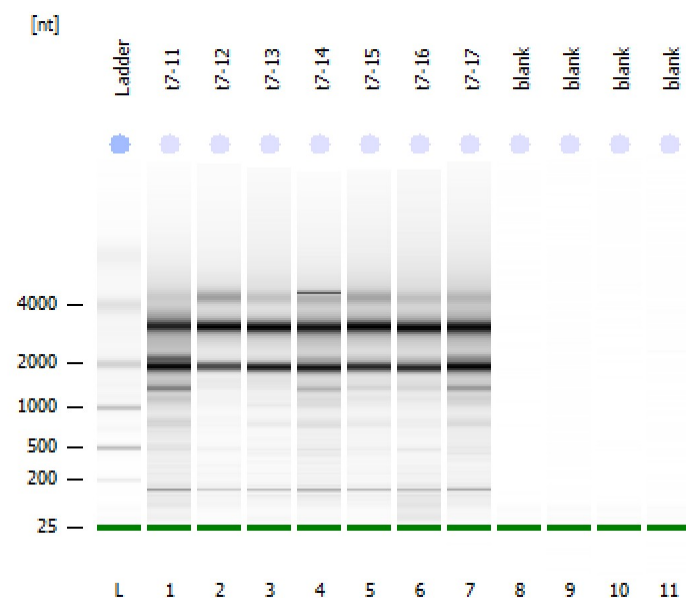


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-24_11-54-29.xad

Created: 6/24/2016 11:54:28 AM
Modified: 6/24/2016 12:19:25 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE13804163
Serial#: DE13804163

Firmware: C.01.069
Type: G2939A

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)

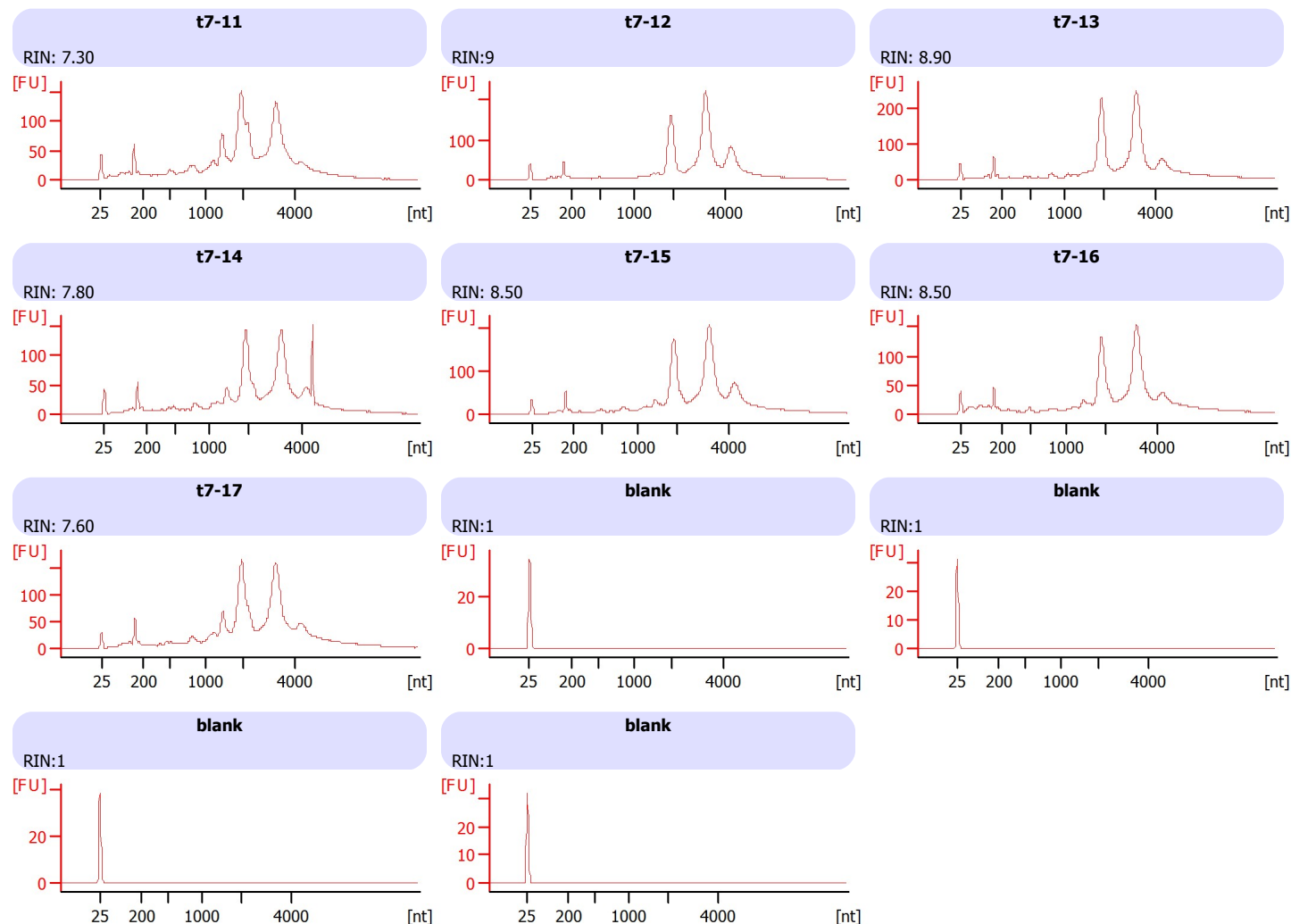
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-24_11-54-29.xad

Created: 6/24/2016 11:54:28 AM
Modified: 6/24/2016 12:19:25 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
t7-11		✓	RIN: 7.30	
t7-12		✓	RIN:9	
t7-13		✓	RIN: 8.90	
t7-14		✓	RIN: 7.80	
t7-15		✓	RIN: 8.50	
t7-16		✓	RIN: 8.50	
t7-17		✓	RIN: 7.60	
blank		✓	RIN:1	
blank		✓	RIN:1	
blank		✓	RIN:1	
blank		✓	RIN:1	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-24_11-54-29.xad

Created: 6/24/2016 11:54:28 AM
Modified: 6/24/2016 12:19:25 PM

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

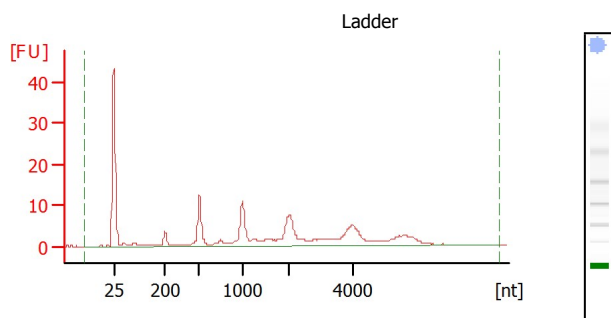
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-24_11-54-29.xad

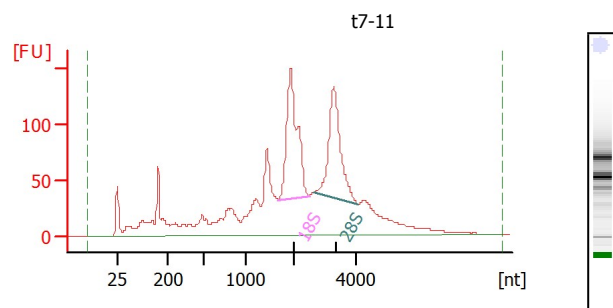
Created: 6/24/2016 11:54:28 AM
Modified: 6/24/2016 12:19:25 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 153.0
RNA Concentration: 1,000 pg/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

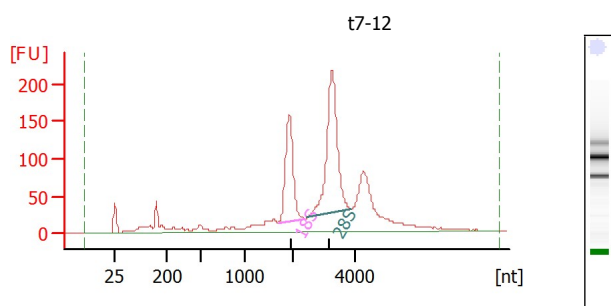


Overall Results for sample 1 : t7-11

RNA Area: 2,630.9
RNA Concentration: 17,192 pg/μl
rRNA Ratio [28s / 18s]: 0.9
RNA Integrity Number (RIN): 7.3 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7.30

Fragment table for sample 1 : t7-11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,691	2,490	383.4	14.6
28S	2,661	4,010	328.4	12.5

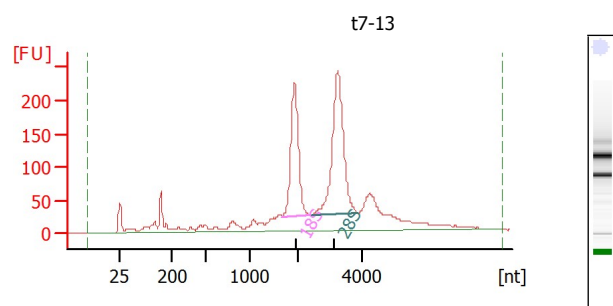


Overall Results for sample 2 : t7-12

RNA Area: 2,183.7
RNA Concentration: 14,270 pg/μl
rRNA Ratio [28s / 18s]: 1.7
RNA Integrity Number (RIN): 9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9

Fragment table for sample 2 : t7-12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,703	2,424	345.4	15.8
28S	2,450	3,845	570.7	26.1



Overall Results for sample 3 : t7-13

RNA Area: 2,638.7
RNA Concentration: 17,243 pg/μl
rRNA Ratio [28s / 18s]: 1.4
RNA Integrity Number (RIN): 8.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.90

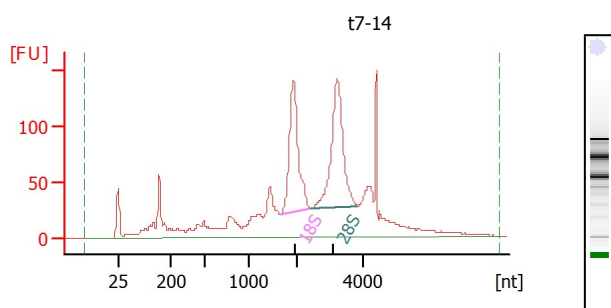
Fragment table for sample 3 : t7-13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,674	2,373	483.4	18.3
28S	2,399	3,860	677.5	25.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-24_11-54-29.xad

Created: 6/24/2016 11:54:28 AM
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Electropherogram Summary Continued ...

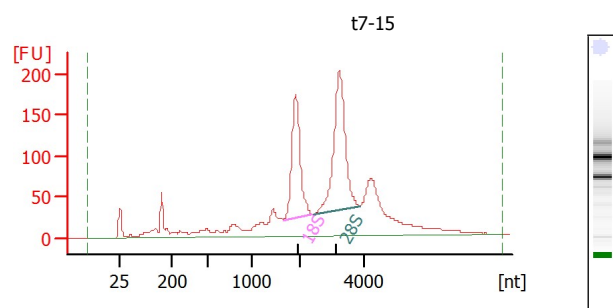


Overall Results for sample 4 : t7-14

RNA Area: 2,217.5
 RNA Concentration: 14,490 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 7.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.80

Fragment table for sample 4 : t7-14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,652	2,413	325.2	14.7
28S	2,439	3,852	376.4	17.0

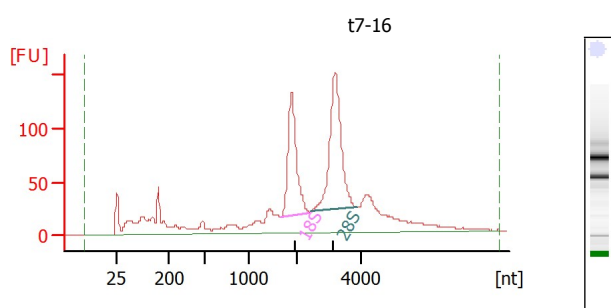


Overall Results for sample 5 : t7-15

RNA Area: 2,496.0
 RNA Concentration: 16,311 pg/μl
 rRNA Ratio [28s / 18s]: 1.4
 RNA Integrity Number (RIN): 8.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.50

Fragment table for sample 5 : t7-15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,675	2,412	393.8	15.8
28S	2,438	3,883	545.9	21.9

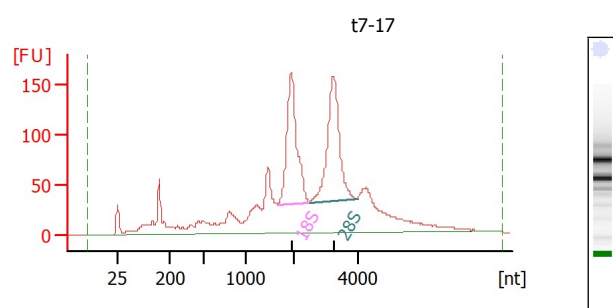


Overall Results for sample 6 : t7-16

RNA Area: 1,940.2
 RNA Concentration: 12,679 pg/μl
 rRNA Ratio [28s / 18s]: 1.4
 RNA Integrity Number (RIN): 8.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.50

Fragment table for sample 6 : t7-16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,675	2,412	299.9	15.5
28S	2,438	3,883	412.9	21.3



Overall Results for sample 7 : t7-17

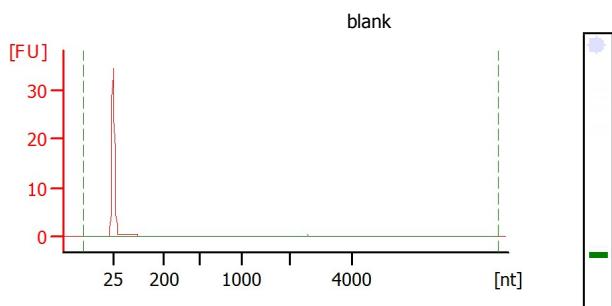
RNA Area: 2,646.2
 RNA Concentration: 17,292 pg/μl
 rRNA Ratio [28s / 18s]: 1.0
 RNA Integrity Number (RIN): 7.6 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.60

Fragment table for sample 7 : t7-17

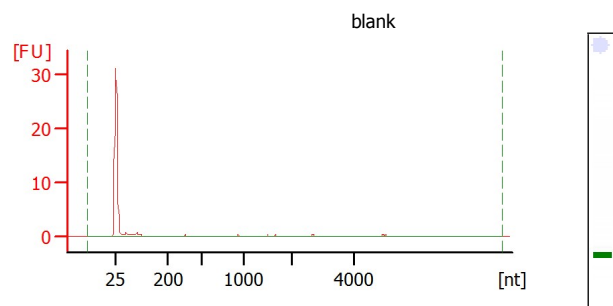
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,649	2,450	408.7	15.4
28S	2,477	3,980	420.0	15.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-24_11-54-29.xad

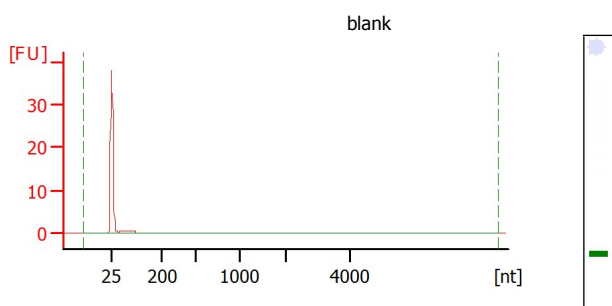
Created: 6/24/2016 11:54:28 AM
Modified: 6/24/2016 12:19:25 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 :** blank

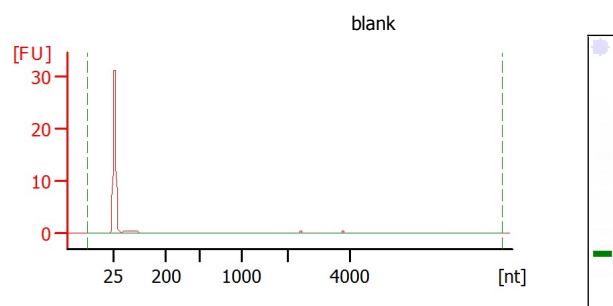
RNA Area: 4.9
RNA Concentration: 32 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:1

**Overall Results for sample 9 :** blank

RNA Area: 6.5
RNA Concentration: 42 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:1

**Overall Results for sample 10 :** blank

RNA Area: 4.3
RNA Concentration: 28 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:1

**Overall Results for sample 11 :** blank

RNA Area: 14.8
RNA Concentration: 96 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-24_11-54-29.xad

Created: 6/24/2016 11:54:28 AM
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