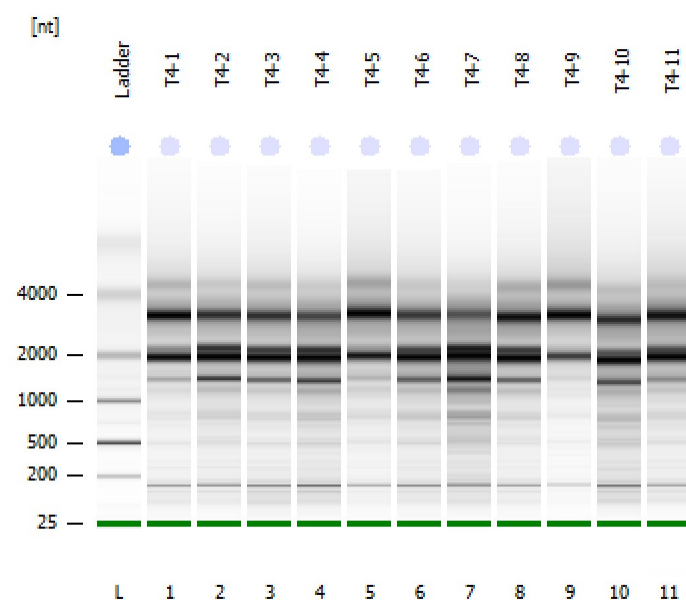


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_12-35-05.xad

Created: 6/23/2016 12:35:04 PM
Modified: 6/23/2016 1:06:46 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13804163
Serial#: DE13804163
Firmware: C.01.069
Type: G2939A

Assay Information:

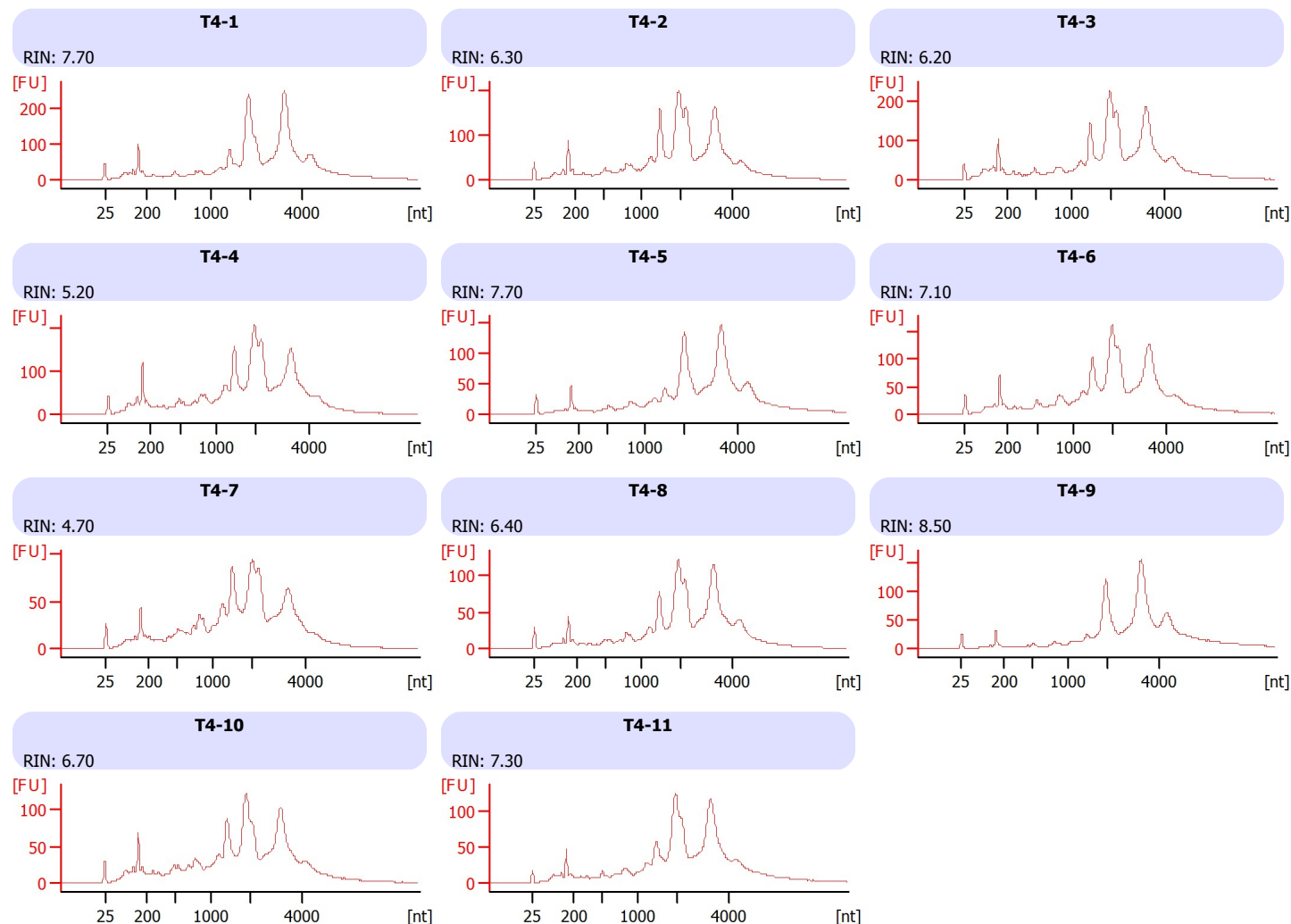
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

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_2016-06-23_12-35-05.xad

Created: 6/23/2016 12:35:04 PM
Modified: 6/23/2016 1:06:46 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
T4-1		✓	RIN: 7.70	
T4-2		✓	RIN: 6.30	
T4-3		✓	RIN: 6.20	
T4-4		✓	RIN: 5.20	
T4-5		✓	RIN: 7.70	
T4-6		✓	RIN: 7.10	
T4-7		✓	RIN: 4.70	
T4-8		✓	RIN: 6.40	
T4-9		✓	RIN: 8.50	
T4-10		✓	RIN: 6.70	
T4-11		✓	RIN: 7.30	
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_2016-06-23_12-35-05.xad

Created: 6/23/2016 12:35:04 PM
Modified: 6/23/2016 1:06:46 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

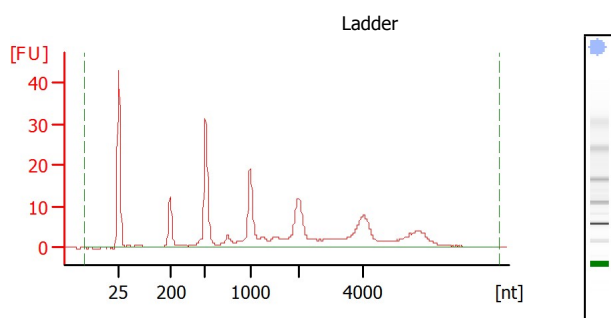
Ladder

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_2016-06-23_12-35-05.xad

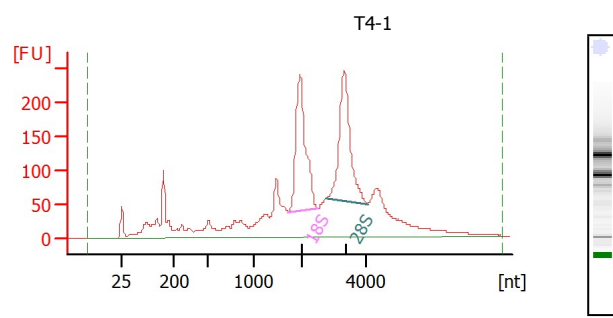
Created: 6/23/2016 12:35:04 PM
 Modified: 6/23/2016 1:06:46 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 254.7
 RNA Concentration: 1,000 pg/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

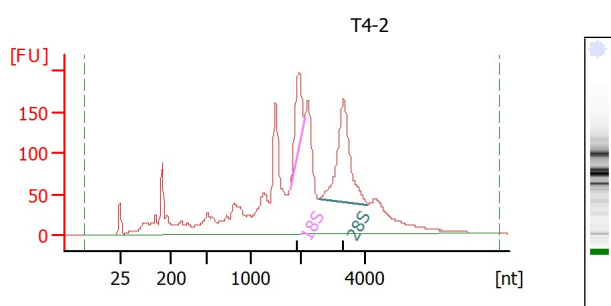


Overall Results for sample 1 : T4-1

RNA Area: 3,759.0
 RNA Concentration: 14,757 pg/μl
 rRNA Ratio [28s / 18s]: 1.0
 RNA Integrity Number (RIN): 7.7 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.70

Fragment table for sample 1 : T4-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,724	2,493	596.3	15.9
28S	2,766	4,025	571.6	15.2

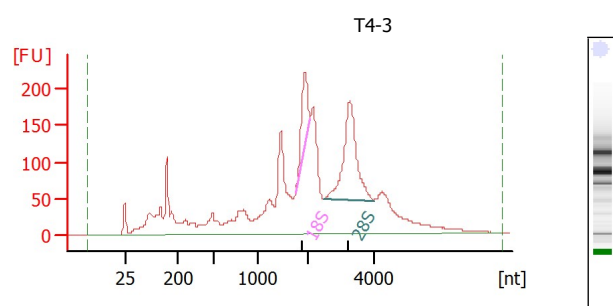


Overall Results for sample 2 : T4-2

RNA Area: 3,617.4
 RNA Concentration: 14,201 pg/μl
 rRNA Ratio [28s / 18s]: 2.5
 RNA Integrity Number (RIN): 6.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.30

Fragment table for sample 2 : T4-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,795	2,118	177.7	4.9
28S	2,571	4,071	437.3	12.1



Overall Results for sample 3 : T4-3

RNA Area: 3,981.3
 RNA Concentration: 15,629 pg/μl
 rRNA Ratio [28s / 18s]: 2.5
 RNA Integrity Number (RIN): 6.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.20

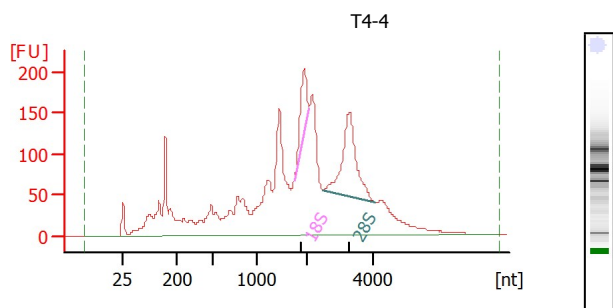
Fragment table for sample 3 : T4-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,759	2,084	184.2	4.6
28S	2,507	4,030	468.5	11.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_12-35-05.xad

Created: 6/23/2016 12:35:04 PM
 Modified: 6/23/2016 1:06:46 PM

Electropherogram Summary Continued ...

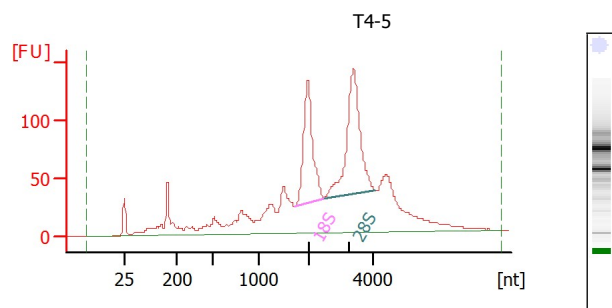


Overall Results for sample 4 : T4-4

RNA Area: 4,166.1
 RNA Concentration: 16,355 pg/μl
 rRNA Ratio [28s / 18s]: 2.7
 RNA Integrity Number (RIN): 5.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 5.20

Fragment table for sample 4 : T4-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,745	2,062	145.0	3.5
28S	2,494	4,059	385.9	9.3

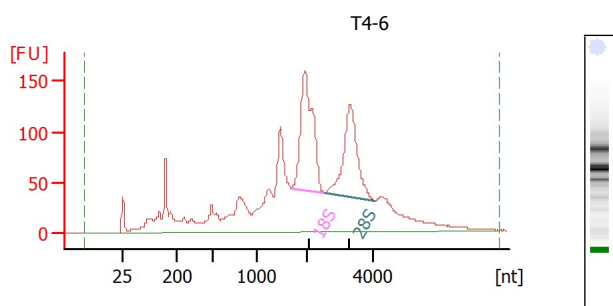


Overall Results for sample 5 : T4-5

RNA Area: 2,261.3
 RNA Concentration: 8,877 pg/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 7.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.70

Fragment table for sample 5 : T4-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,736	2,481	291.0	12.9
28S	2,507	4,049	384.2	17.0

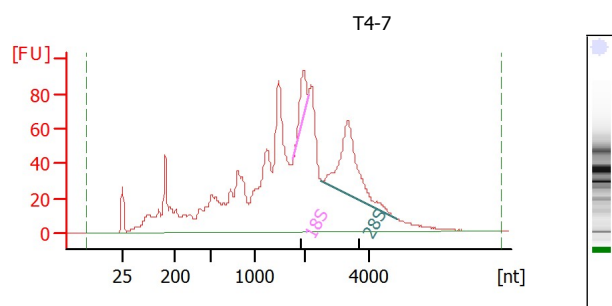


Overall Results for sample 6 : T4-6

RNA Area: 2,962.9
 RNA Concentration: 11,631 pg/μl
 rRNA Ratio [28s / 18s]: 0.8
 RNA Integrity Number (RIN): 7.1 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.10

Fragment table for sample 6 : T4-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,703	2,545	428.1	14.4
28S	2,571	4,046	332.5	11.2



Overall Results for sample 7 : T4-7

RNA Area: 2,226.7
 RNA Concentration: 8,741 pg/μl
 rRNA Ratio [28s / 18s]: 4.1
 RNA Integrity Number (RIN): 4.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.70

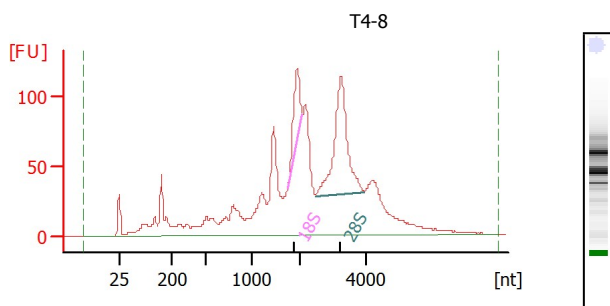
Fragment table for sample 7 : T4-7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,789	2,120	49.8	2.2
28S	2,532	4,850	203.9	9.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_12-35-05.xad

Created: 6/23/2016 12:35:04 PM
 Modified: 6/23/2016 1:06:46 PM

Electropherogram Summary Continued ...

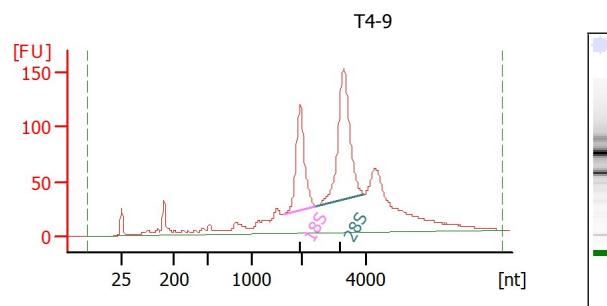


Overall Results for sample 8 : T4-8

RNA Area: 2,234.7
 RNA Concentration: 8,773 pg/μl
 rRNA Ratio [28s / 18s]: 3.0
 RNA Integrity Number (RIN): 6.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.40

Fragment table for sample 8 : T4-8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,745	2,068	99.9	4.5
28S	2,481	3,977	296.1	13.3

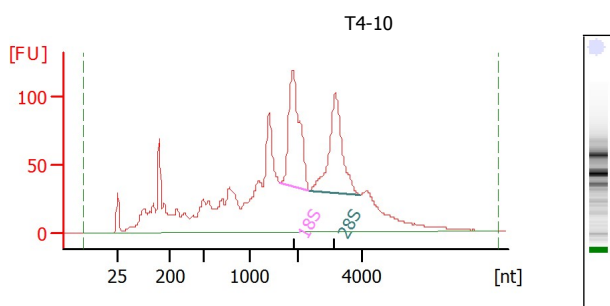


Overall Results for sample 9 : T4-9

RNA Area: 1,938.0
 RNA Concentration: 7,608 pg/μl
 rRNA Ratio [28s / 18s]: 1.6
 RNA Integrity Number (RIN): 8.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.50

Fragment table for sample 9 : T4-9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,627	2,441	252.6	13.0
28S	2,467	3,951	394.2	20.3

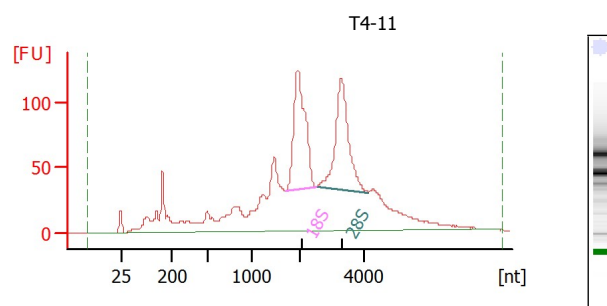


Overall Results for sample 10 : T4-10

RNA Area: 2,585.8
 RNA Concentration: 10,151 pg/μl
 rRNA Ratio [28s / 18s]: 0.9
 RNA Integrity Number (RIN): 6.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.70

Fragment table for sample 10 : T4-10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,637	2,363	283.9	11.0
28S	2,389	3,935	266.6	10.3



Overall Results for sample 11 : T4-11

RNA Area: 2,313.8
 RNA Concentration: 9,083 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 11 : T4-11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,711	2,545	321.7	13.9
28S	2,571	4,126	301.3	13.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_12-35-05.xad

Created: 6/23/2016 12:35:04 PM
Modified: 6/23/2016 1:06:46 PM

Gel Image