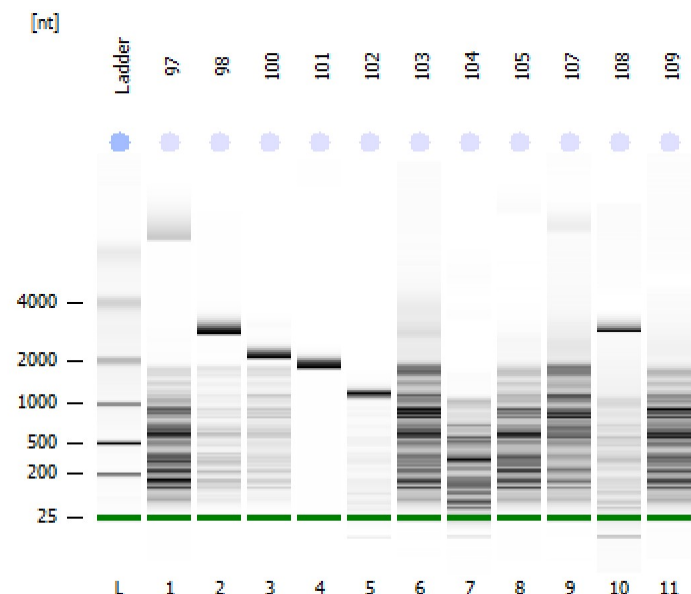


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_15-22-26.xad

Created: 1/28/2016 3:22:26 PM
Modified: 1/29/2016 3:30:43 PM

Electrophoresis File Run Summary



Instrument Information:

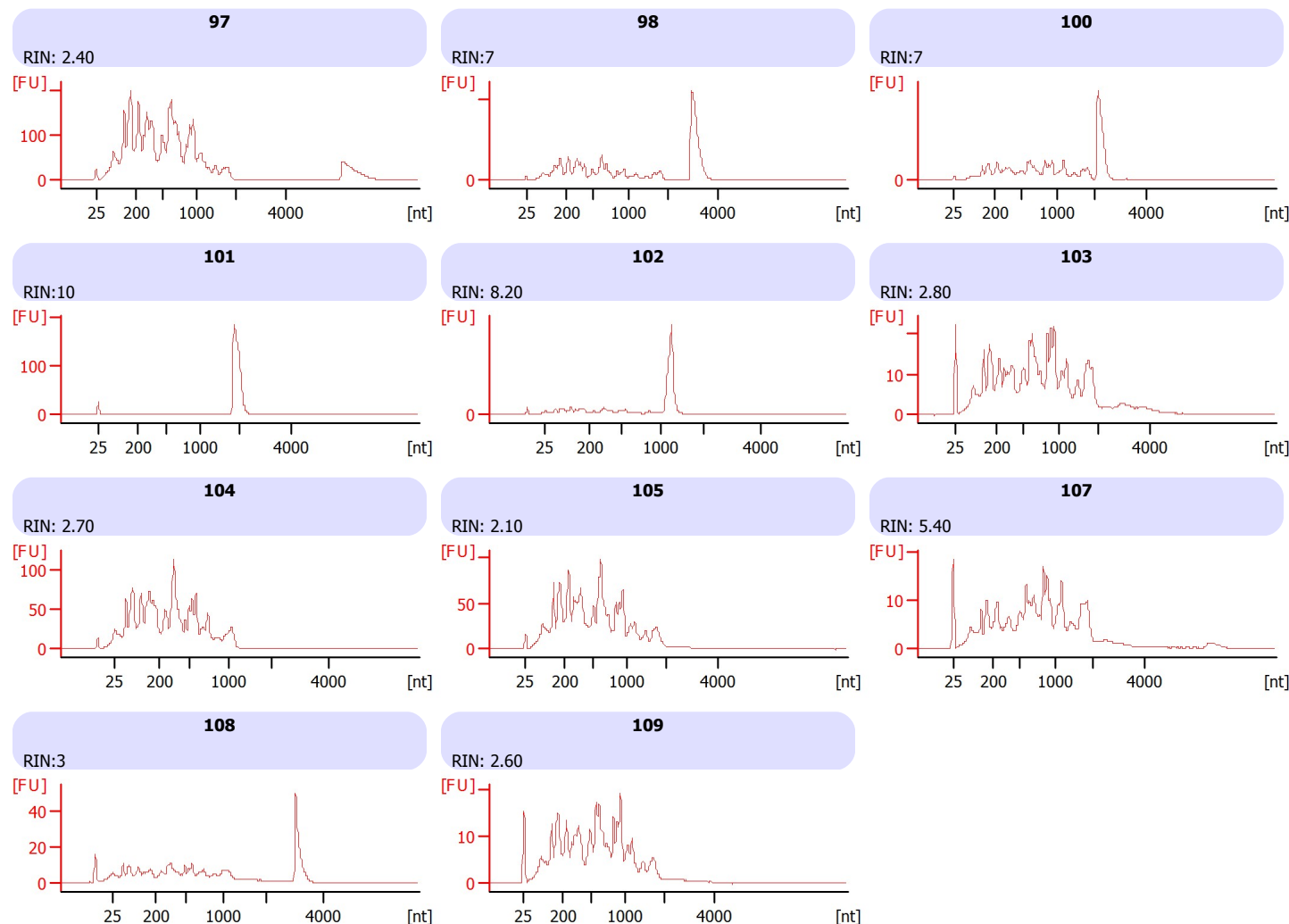
Instrument Name: Bioanalyzer
Serial#: DE20901668
Firmware: C.01.069
Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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_DE20901668_2016-01-28_15-22-26.xad

Created: 1/28/2016 3:22:26 PM
Modified: 1/29/2016 3:30:43 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
97		✓	RIN: 2.40	
98		✓	RIN: 7	
100		✓	RIN: 7	
101		✓	RIN: 10	
102		✓	RIN: 8.20	
103		✓	RIN: 2.80	
104		✓	RIN: 2.70	
105		✓	RIN: 2.10	
107		✓	RIN: 5.40	
108		✓	RIN: 3	
109		✓	RIN: 2.60	
Ladder		✓	All Other Samples	

Chip Lot #

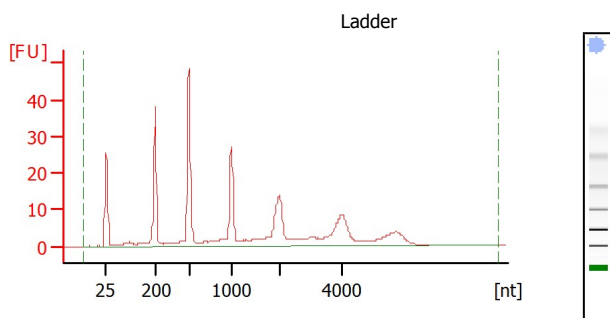
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_15-22-26.xad

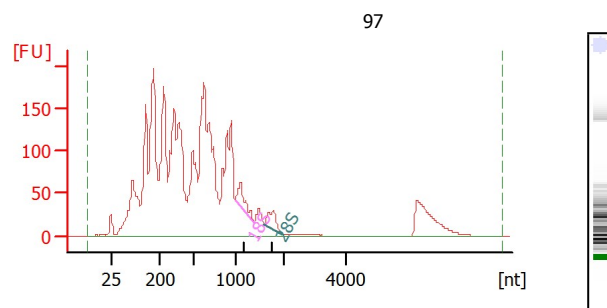
Created: 1/28/2016 3:22:26 PM
Modified: 1/29/2016 3:30:43 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 301.2
RNA Concentration: 1,000 pg/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

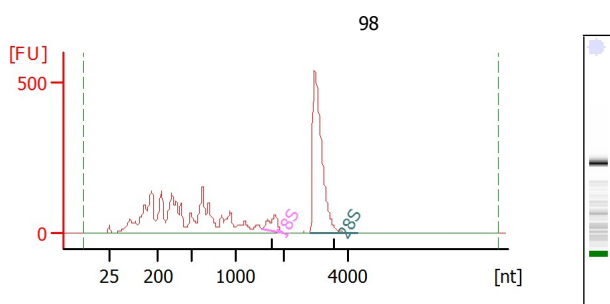


Overall Results for sample 1 : 97

RNA Area: 4,645.8
RNA Concentration: 15,426 pg/μl
rRNA Ratio [28s / 18s]: 0.9
RNA Integrity Number (RIN): 2.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.40

Fragment table for sample 1 : 97

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	986	1,361	67.9	1.5
28S	1,580	1,948	57.8	1.2

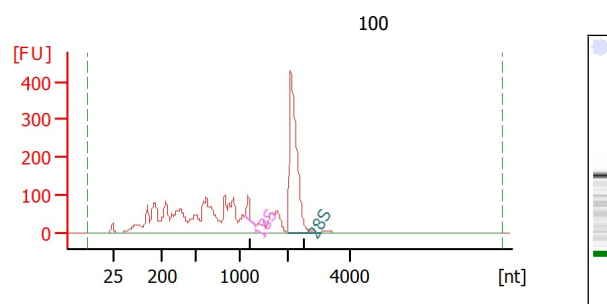


Overall Results for sample 2 : 98

RNA Area: 4,732.6
RNA Concentration: 15,715 pg/μl
rRNA Ratio [28s / 18s]: 10.6
RNA Integrity Number (RIN): 7 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7

Fragment table for sample 2 : 98

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,545	1,986	136.9	2.9
28S	2,827	4,350	1,447.6	30.6



Overall Results for sample 3 : 100

RNA Area: 3,657.0
RNA Concentration: 12,143 pg/μl
rRNA Ratio [28s / 18s]: 15.5
RNA Integrity Number (RIN): 7 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7

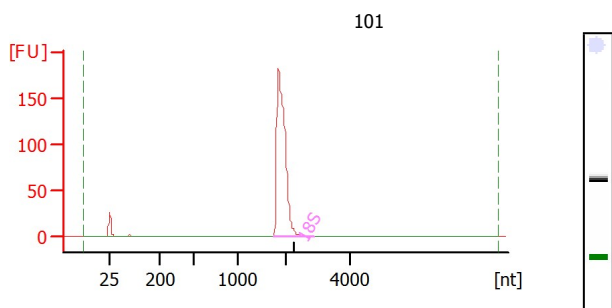
Fragment table for sample 3 : 100

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,127	1,326	64.2	1.8
28S	1,994	3,053	993.1	27.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_15-22-26.xad

Created: 1/28/2016 3:22:26 PM
Modified: 1/29/2016 3:30:43 PM

Electropherogram Summary Continued ...

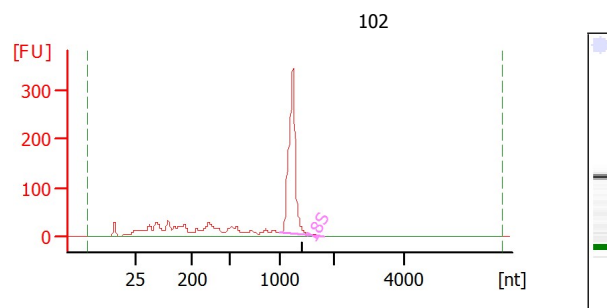


Overall Results for sample 4 : 101

RNA Area: 501.3
RNA Concentration: 1,665 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 10 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 4 : 101

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,763	2,878	485.2	96.8

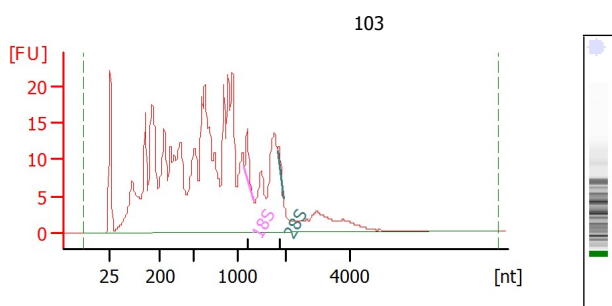


Overall Results for sample 5 : 102

RNA Area: 1,479.5
RNA Concentration: 4,913 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 8.2 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 8.20

Fragment table for sample 5 : 102

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,003	1,835	699.0	47.2

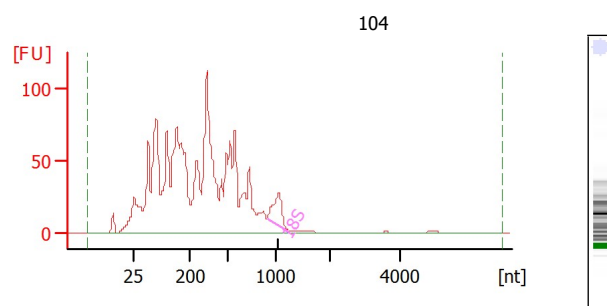


Overall Results for sample 6 : 103

RNA Area: 601.8
RNA Concentration: 1,998 pg/μl
rRNA Ratio [28s / 18s]: 0.4
RNA Integrity Number (RIN): 2.8 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.80

Fragment table for sample 6 : 103

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,137	1,326	6.2	1.0
28S	1,816	1,928	2.2	0.4



Overall Results for sample 7 : 104

RNA Area: 2,023.0
RNA Concentration: 6,718 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.70

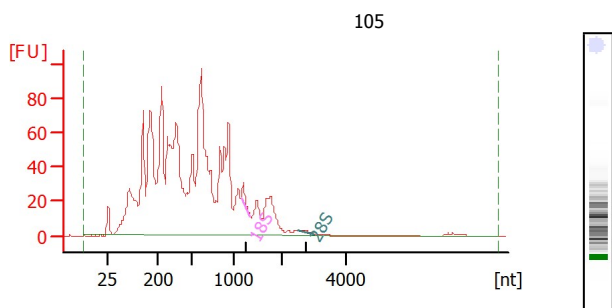
Fragment table for sample 7 : 104

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	912	1,239	59.6	2.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_15-22-26.xad

Created: 1/28/2016 3:22:26 PM
Modified: 1/29/2016 3:30:43 PM

Electropherogram Summary Continued ...

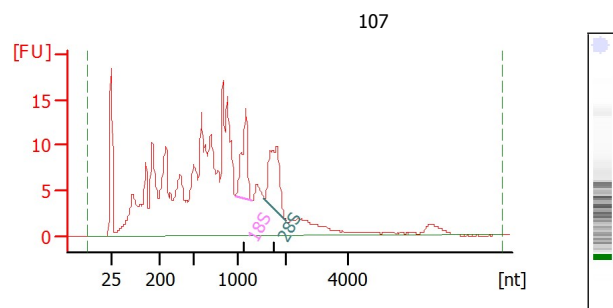


Overall Results for sample 8 : 105

RNA Area: 2,077.0
RNA Concentration: 6,897 pg/μl
rRNA Ratio [28s / 18s]: 0.2
RNA Integrity Number (RIN): 2.1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.10

Fragment table for sample 8 : 105

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,133	1,333	12.7	0.6
28S	2,509	2,988	2.5	0.1

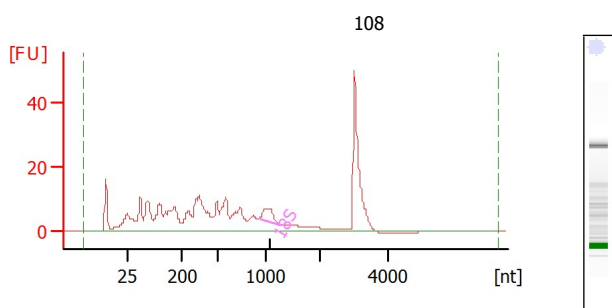


Overall Results for sample 9 : 107

RNA Area: 414.0
RNA Concentration: 1,375 pg/μl
rRNA Ratio [28s / 18s]: 1.2
RNA Integrity Number (RIN): 5.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 5.40

Fragment table for sample 9 : 107

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	983	1,320	19.9	4.8
28S	1,573	2,028	23.7	5.7

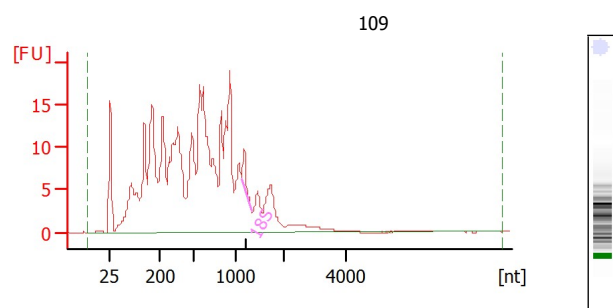


Overall Results for sample 10 : 108

RNA Area: 405.0
RNA Concentration: 1,345 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 3

Fragment table for sample 10 : 108

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	925	1,278	13.7	3.4



Overall Results for sample 11 : 109

RNA Area: 455.2
RNA Concentration: 1,511 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.60

Fragment table for sample 11 : 109

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,131	1,333	4.4	1.0