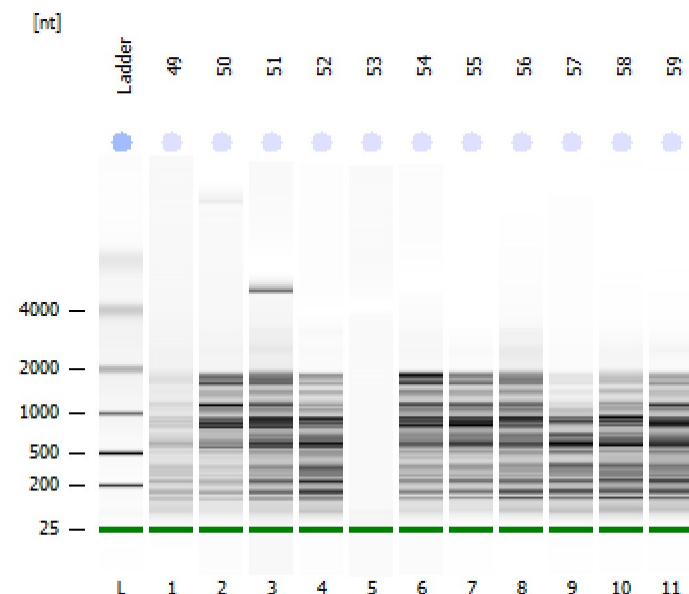


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_12-10-32.xad

Created: 1/28/2016 12:10:31 PM
Modified: 1/29/2016 3:21:22 PM

Electrophoresis File Run Summary



Instrument Information:

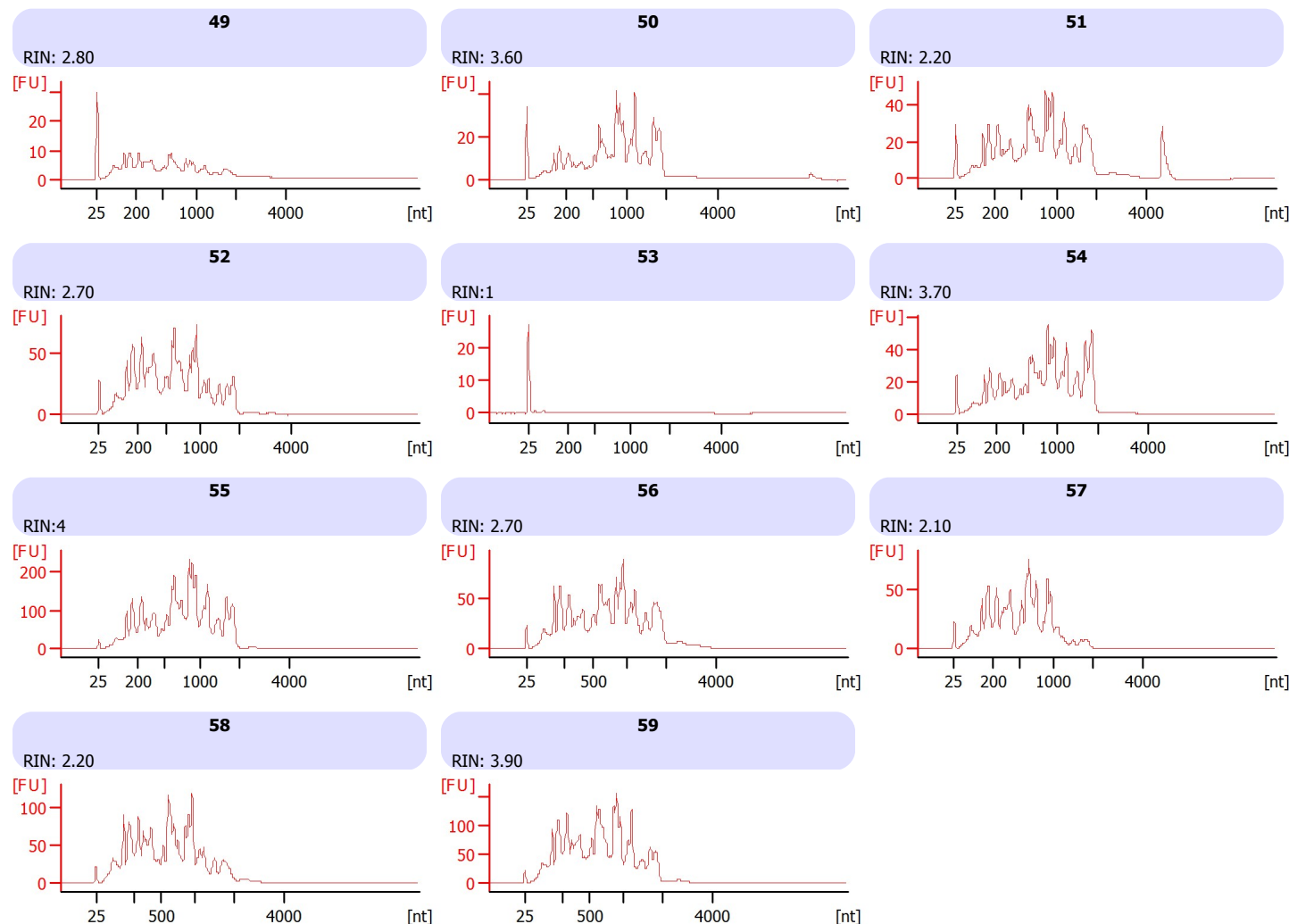
Instrument Name: Bioanalyzer
Serial#: DE20901668
Firmware: C.01.069
Type: G2938B

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_12-10-32.xad

Created: 1/28/2016 12:10:31 PM
Modified: 1/29/2016 3:21:22 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
49		✓	RIN: 2.80	
50		✓	RIN: 3.60	
51		✓	RIN: 2.20	
52		✓	RIN: 2.70	
53		✓	RIN:1	
54		✓	RIN: 3.70	
55		✓	RIN:4	
56		✓	RIN: 2.70	
57		✓	RIN: 2.10	
58		✓	RIN: 2.20	
59		✓	RIN: 3.90	
Ladder		✓	All Other Samples	

Chip Lot #

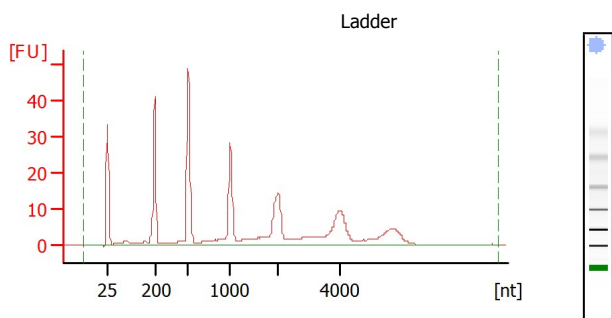
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_12-10-32.xad

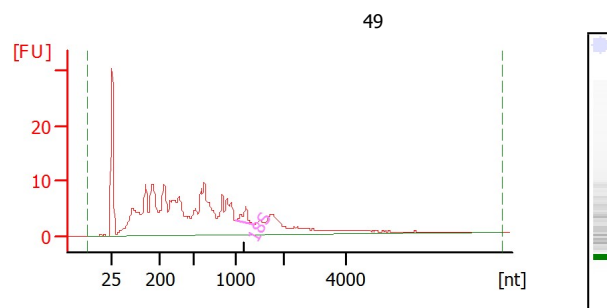
Created: 1/28/2016 12:10:31 PM
Modified: 1/29/2016 3:21:22 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 323.4
RNA Concentration: 1,000 pg/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

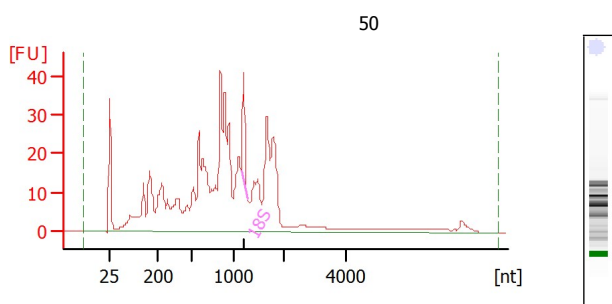


Overall Results for sample 1 : 49

RNA Area: 289.5
RNA Concentration: 895 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.8 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.80

Fragment table for sample 1 : 49

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,006	1,364	5.6	1.9

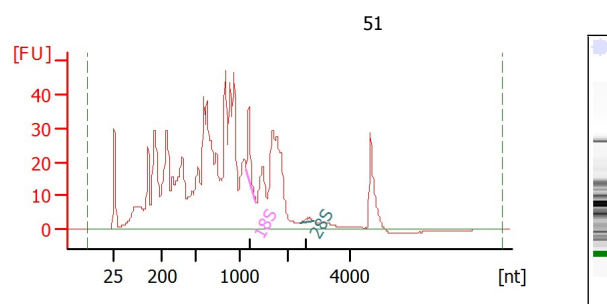


Overall Results for sample 2 : 50

RNA Area: 720.9
RNA Concentration: 2,229 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 3.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 3.60

Fragment table for sample 2 : 50

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,130	1,268	25.1	3.5



Overall Results for sample 3 : 51

RNA Area: 1,079.3
RNA Concentration: 3,337 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 2.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.20

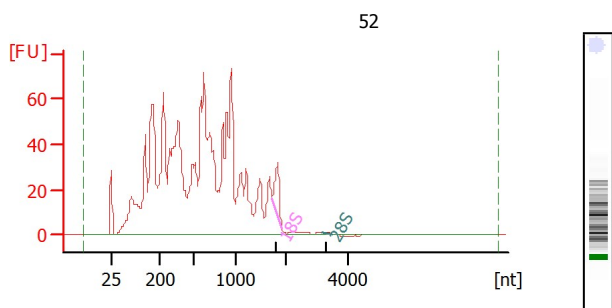
Fragment table for sample 3 : 51

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,141	1,340	21.3	2.0
28S	2,407	2,833	2.5	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\Eukaryote Total RNA Pico_DE20901668_2016-01-28_12-10-32.xad

Created: 1/28/2016 12:10:31 PM
Modified: 1/29/2016 3:21:22 PM

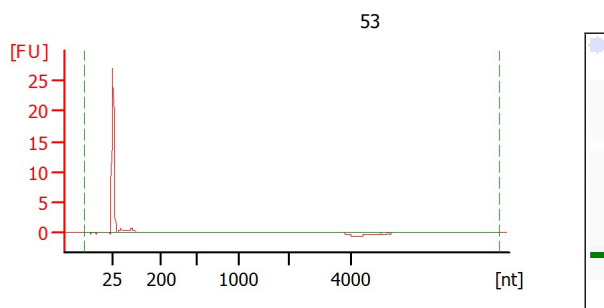
Electropherogram Summary Continued ...



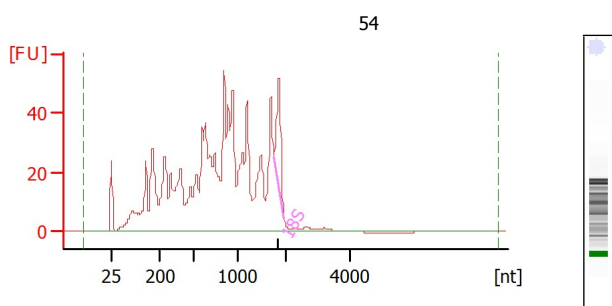
Overall Results for sample 4 : 52
RNA Area: 1,647.0
RNA Concentration: 5,093 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.70

Fragment table for sample 4 :

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,731	1,938	30.2	1.8
28S	3,123	3,481	1.1	0.1



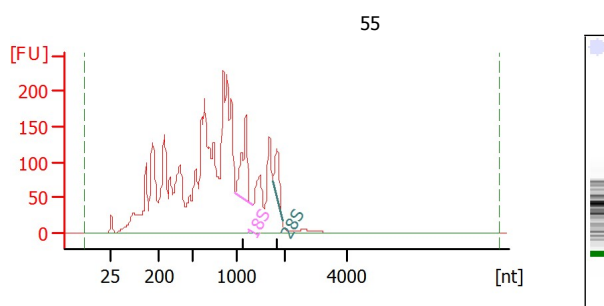
Overall Results for sample 5 : 53
RNA Area: 11.9
RNA Concentration: 37 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:1



Overall Results for sample 6 : 54
RNA Area: 1,116.2
RNA Concentration: 3,452 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 3.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 3.70

Fragment table for sample 6 :

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,750	1,964	49.3	4.4



Overall Results for sample 7 : 55
RNA Area: 4,626.9
RNA Concentration: 14,308 pg/μl
rRNA Ratio [28s / 18s]: 0.4
RNA Integrity Number (RIN): 4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:4

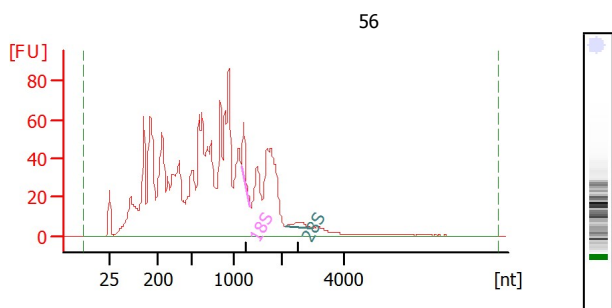
Fragment table for sample 7 :

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	992	1,340	229.1	5.0
28S	1,754	1,953	99.0	2.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_12-10-32.xad

Created: 1/28/2016 12:10:31 PM
Modified: 1/29/2016 3:21:22 PM

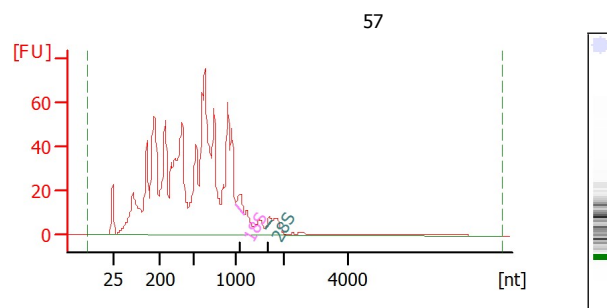
Electropherogram Summary Continued ...



Overall Results for sample 8 : 56
RNA Area: 1,988.3
RNA Concentration: 6,148 pg/μl
rRNA Ratio [28s / 18s]: 0.3
RNA Integrity Number (RIN): 2.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.70

Fragment table for sample 8 : 56

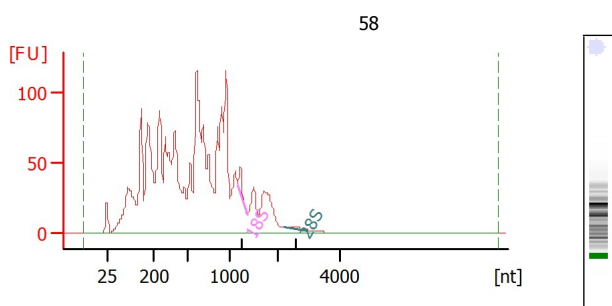
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,153	1,344	28.0	1.4
28S	2,139	2,954	7.9	0.4



Overall Results for sample 9 : 57
RNA Area: 1,427.3
RNA Concentration: 4,414 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 9 : 57

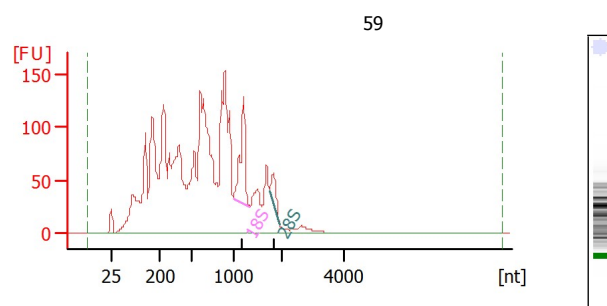
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	990	1,165	12.1	0.8
28S	1,610	1,749	2.9	0.2



Overall Results for sample 10 : 58
RNA Area: 2,585.7
RNA Concentration: 7,996 pg/μl
rRNA Ratio [28s / 18s]: 0.3
RNA Integrity Number (RIN): 2.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.20

Fragment table for sample 10 : 58

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,172	1,366	17.9	0.7
28S	2,188	3,001	4.8	0.2



Overall Results for sample 11 : 59
RNA Area: 3,607.7
RNA Concentration: 11,156 pg/μl
rRNA Ratio [28s / 18s]: 0.3
RNA Integrity Number (RIN): 3.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 3.90

Fragment table for sample 11 : 59

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	989	1,333	168.2	4.7
28S	1,736	1,956	45.3	1.3