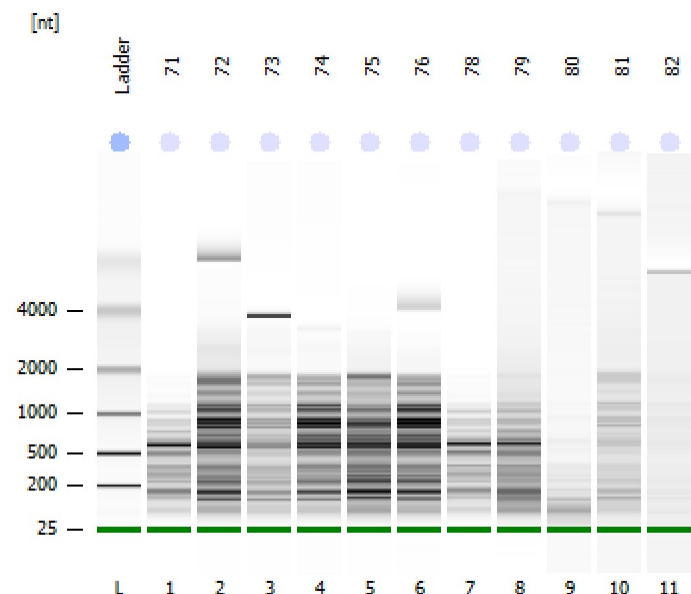


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_13-48-29.xad

Created: 1/28/2016 1:48:29 PM
Modified: 1/29/2016 3:27:54 PM

Electrophoresis File Run Summary



Instrument Information:

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

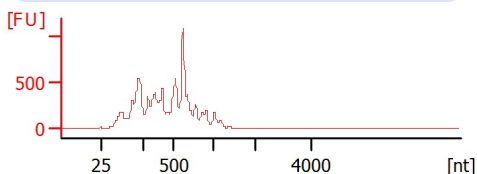
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

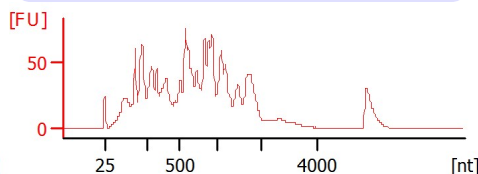
Chip Information:

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

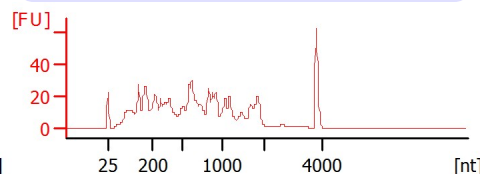
71
RIN: 2



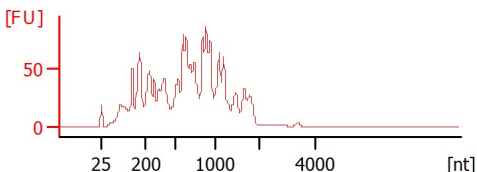
72
RIN: 4.50



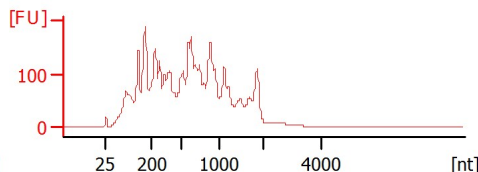
73
RIN: 4



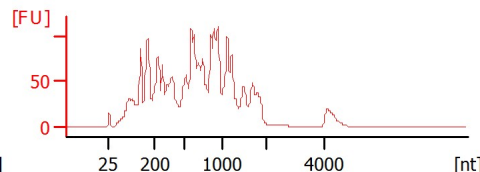
74
RIN: 2.80



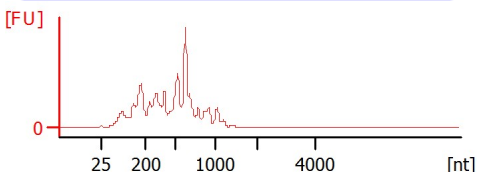
75
RIN: 3.20



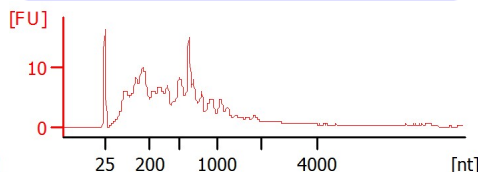
76
RIN: 2



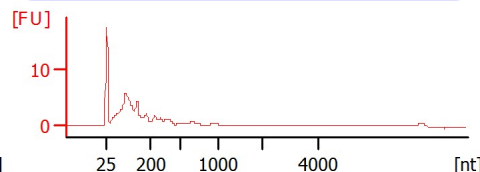
78
RIN: 2.30



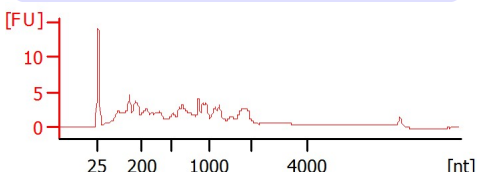
79
RIN: 2.60



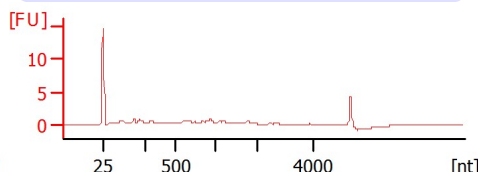
80
RIN: 2.40



81
RIN: 3.50



82
RIN: 1



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_13-48-29.xad

Created: 1/28/2016 1:48:29 PM
Modified: 1/29/2016 3:27:54 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
71		✓	RIN:2	
72		✓	RIN: 4.50	
73		✓	RIN:4	
74		✓	RIN: 2.80	
75		✓	RIN: 3.20	
76		✓	RIN:2	
78		✓	RIN: 2.30	
79		✓	RIN: 2.60	
80		✓	RIN: 2.40	
81		✓	RIN: 3.50	
82		✓	RIN:1	
Ladder		✓	All Other Samples	

Chip Lot #

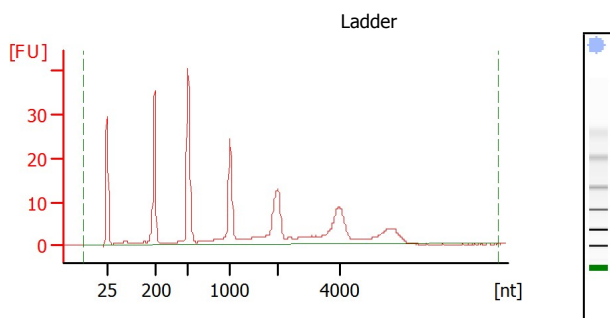
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_13-48-29.xad

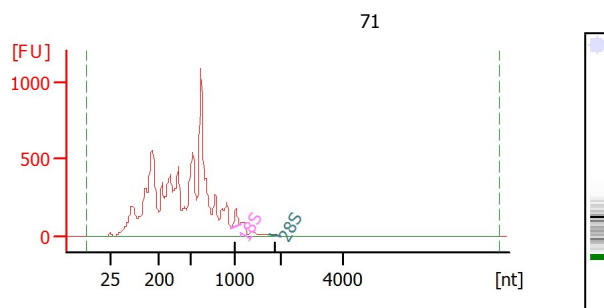
Created: 1/28/2016 1:48:29 PM
Modified: 1/29/2016 3:27:54 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 287.6
RNA Concentration: 1,000 pg/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

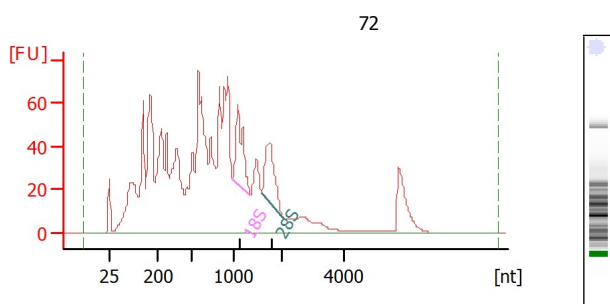


Overall Results for sample 1 : 71

RNA Area: 12,304.1
RNA Concentration: 42,783 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:2

Fragment table for sample 1 : 71

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	973	1,138	133.5	1.1
28S	1,737	1,992	13.5	0.1

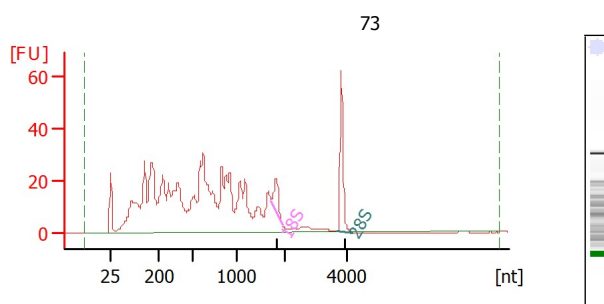


Overall Results for sample 2 : 72

RNA Area: 2,142.2
RNA Concentration: 7,448 pg/μl
rRNA Ratio [28s / 18s]: 0.9
RNA Integrity Number (RIN): 4.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 4.50

Fragment table for sample 2 : 72

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	983	1,347	90.8	4.2
28S	1,583	2,059	83.5	3.9



Overall Results for sample 3 : 73

RNA Area: 899.0
RNA Concentration: 3,126 pg/μl
rRNA Ratio [28s / 18s]: 3.0
RNA Integrity Number (RIN): 4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:4

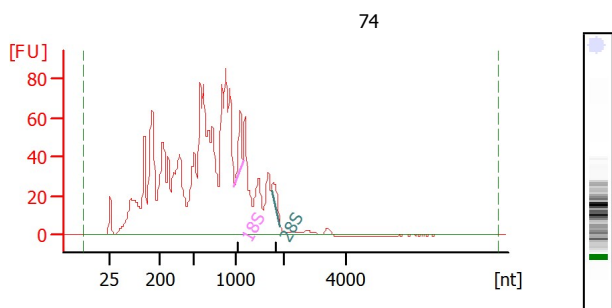
Fragment table for sample 3 : 73

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,726	1,961	17.5	2.0
28S	3,709	4,218	52.4	5.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_13-48-29.xad

Created: 1/28/2016 1:48:29 PM
Modified: 1/29/2016 3:27:54 PM

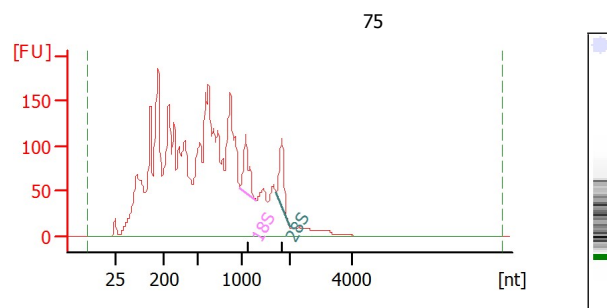
Electropherogram Summary Continued ...



Overall Results for sample 4 : 74
RNA Area: 1,956.7
RNA Concentration: 6,804 pg/μl
rRNA Ratio [28s / 18s]: 0.6
RNA Integrity Number (RIN): 2.8 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.80

Fragment table for sample 4 : 74

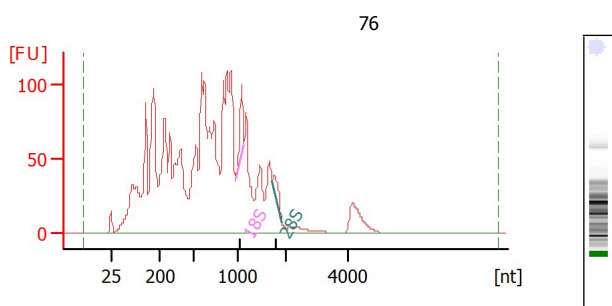
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	984	1,145	30.1	1.5
28S	1,727	1,927	17.6	0.9



Overall Results for sample 5 : 75
RNA Area: 5,000.8
RNA Concentration: 17,388 pg/μl
rRNA Ratio [28s / 18s]: 1.0
RNA Integrity Number (RIN): 3.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 3.20

Fragment table for sample 5 : 75

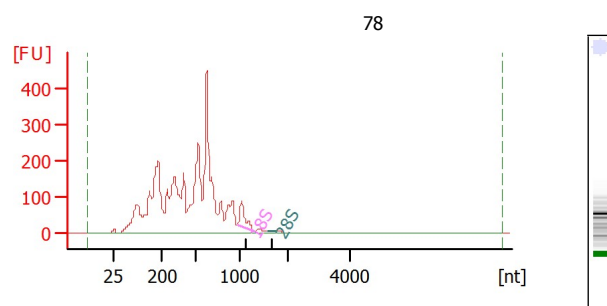
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	982	1,306	115.0	2.3
28S	1,721	1,981	110.1	2.2



Overall Results for sample 6 : 76
RNA Area: 2,923.0
RNA Concentration: 10,164 pg/μl
rRNA Ratio [28s / 18s]: 0.4
RNA Integrity Number (RIN): 2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2

Fragment table for sample 6 : 76

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	982	1,142	47.9	1.6
28S	1,730	1,929	19.7	0.7



Overall Results for sample 7 : 78
RNA Area: 4,827.6
RNA Concentration: 16,786 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.30

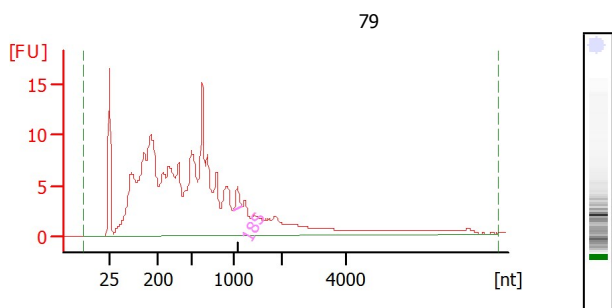
Fragment table for sample 7 : 78

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	977	1,299	128.0	2.7
28S	1,578	1,752	4.1	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_13-48-29.xad

Created: 1/28/2016 1:48:29 PM
Modified: 1/29/2016 3:27:54 PM

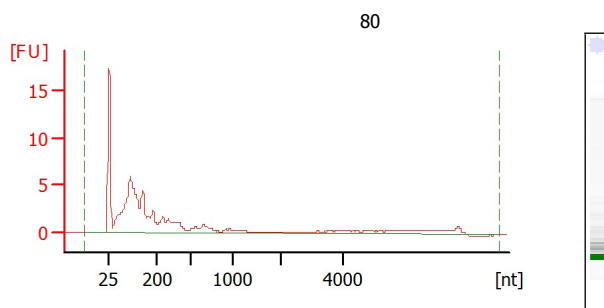
Electropherogram Summary Continued ...



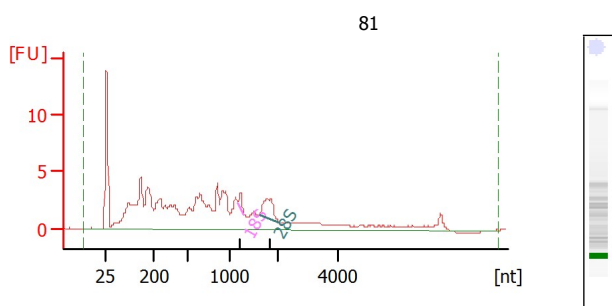
Overall Results for sample 8 : 79
RNA Area: 313.5
RNA Concentration: 1,090 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.60

Fragment table for sample 8 :

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	985	1,157	2.7	0.9



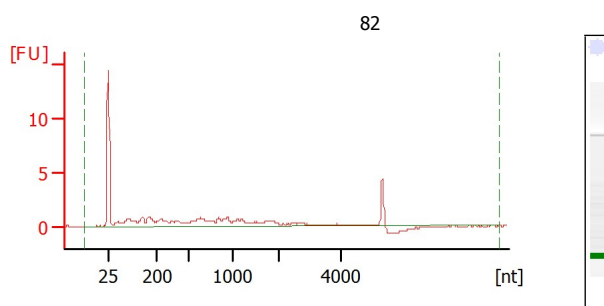
Overall Results for sample 9 : 80
RNA Area: 92.2
RNA Concentration: 320 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.40



Overall Results for sample 10 : 81
RNA Area: 141.8
RNA Concentration: 493 pg/μl
rRNA Ratio [28s / 18s]: 5.3
RNA Integrity Number (RIN): 3.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 3.50

Fragment table for sample 10 :

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,183	1,316	1.1	0.8
28S	1,617	2,107	6.1	4.3



Overall Results for sample 11 : 82
RNA Area: 37.0
RNA Concentration: 129 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 1