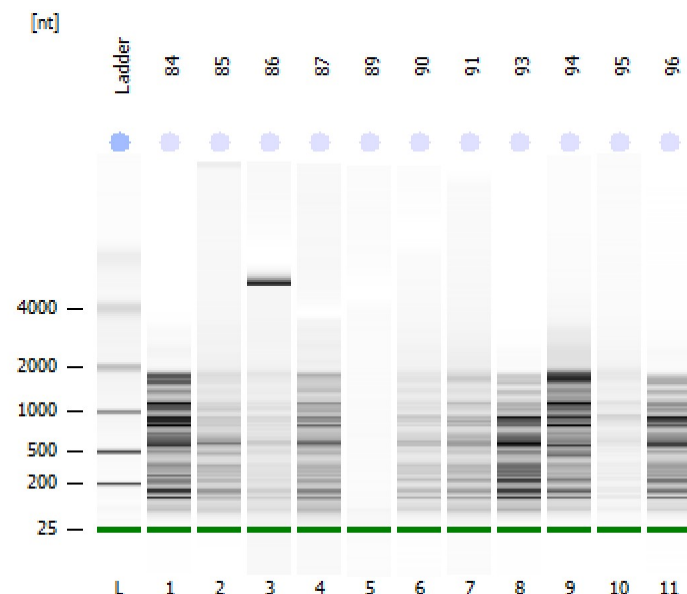


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_14-43-21.xad

Created: 1/28/2016 2:43:20 PM
Modified: 1/29/2016 3:30:00 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)

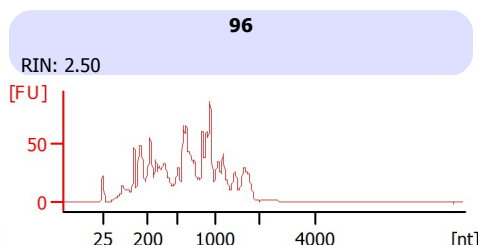
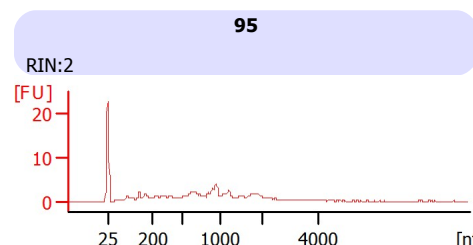
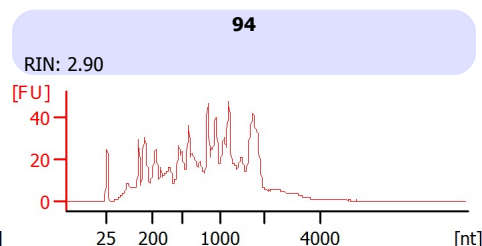
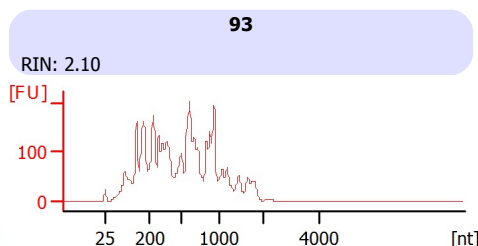
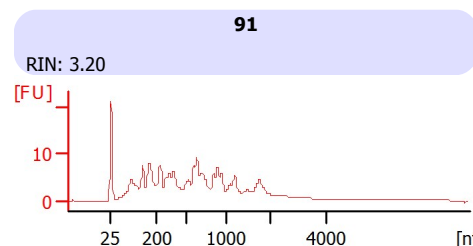
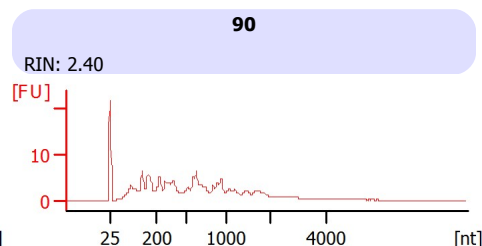
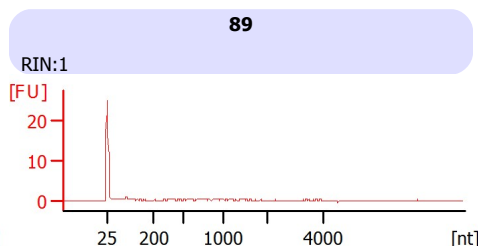
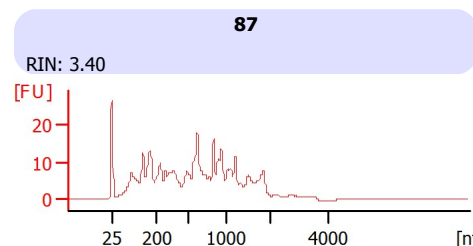
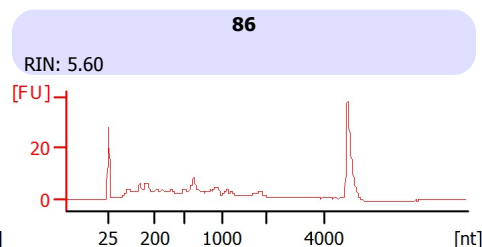
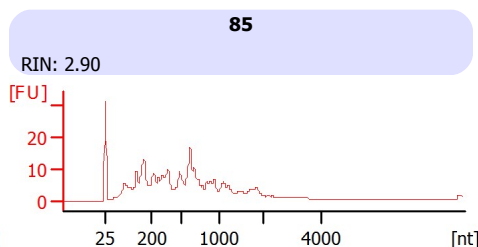
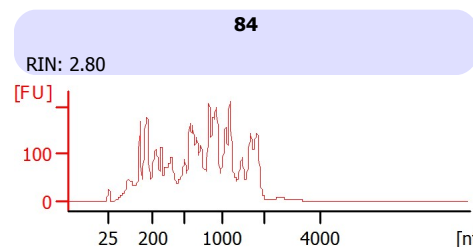
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_14-43-21.xad

Created: 1/28/2016 2:43:20 PM
Modified: 1/29/2016 3:30:00 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
84		✓	RIN: 2.80	
85		✓	RIN: 2.90	
86		✓	RIN: 5.60	
87		✓	RIN: 3.40	
89		✓	RIN:1	
90		✓	RIN: 2.40	
91		✓	RIN: 3.20	
93		✓	RIN: 2.10	
94		✓	RIN: 2.90	
95		✓	RIN:2	
96		✓	RIN: 2.50	
Ladder		✓	All Other Samples	

Chip Lot #

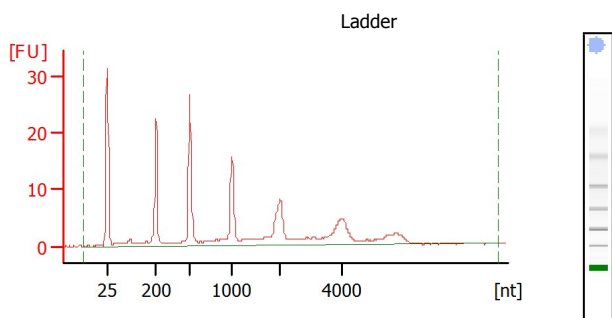
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_14-43-21.xad

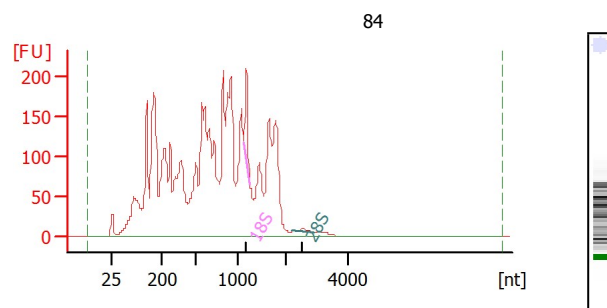
Created: 1/28/2016 2:43:20 PM
Modified: 1/29/2016 3:30:00 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 181.7
RNA Concentration: 1,000 pg/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

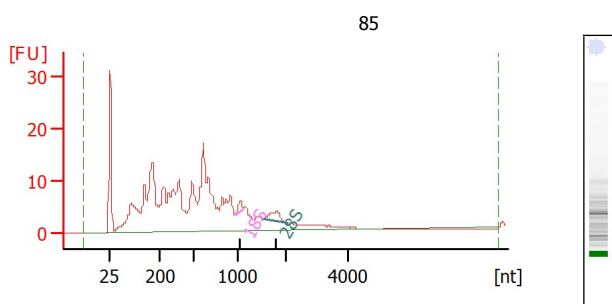


Overall Results for sample 1 : 84

RNA Area: 5,235.8
RNA Concentration: 28,811 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 2.8 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.80

Fragment table for sample 1 : 84

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,128	1,259	107.2	2.0
28S	2,232	2,950	10.4	0.2

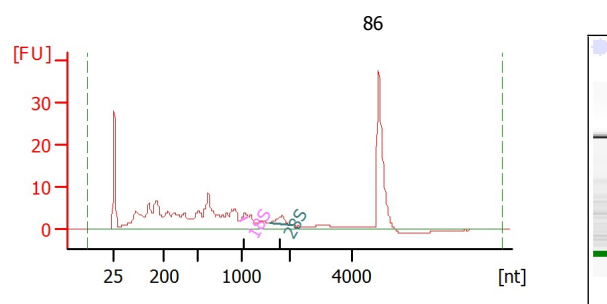


Overall Results for sample 2 : 85

RNA Area: 353.7
RNA Concentration: 1,946 pg/μl
rRNA Ratio [28s / 18s]: 2.2
RNA Integrity Number (RIN): 2.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.90

Fragment table for sample 2 : 85

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	977	1,141	2.9	0.8
28S	1,555	2,061	6.5	1.8



Overall Results for sample 3 : 86

RNA Area: 258.8
RNA Concentration: 1,424 pg/μl
rRNA Ratio [28s / 18s]: 2.9
RNA Integrity Number (RIN): 5.6 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 5.60

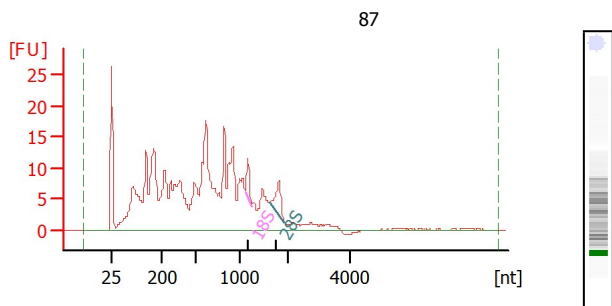
Fragment table for sample 3 : 86

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	991	1,149	1.9	0.7
28S	1,590	2,101	5.4	2.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_14-43-21.xad

Created: 1/28/2016 2:43:20 PM
Modified: 1/29/2016 3:30:00 PM

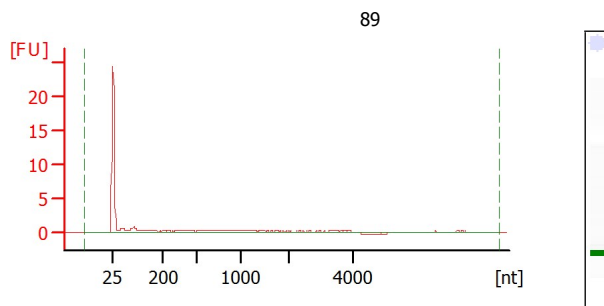
Electropherogram Summary Continued ...



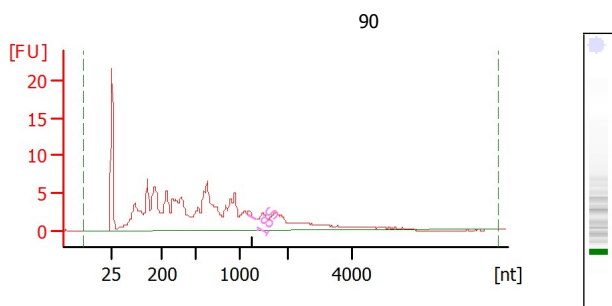
Overall Results for sample 4 : 87
RNA Area: 413.9
RNA Concentration: 2,277 pg/μl
rRNA Ratio [28s / 18s]: 1.6
RNA Integrity Number (RIN): 3.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 3.40

Fragment table for sample 4 :

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,131	1,251	5.8	1.4
28S	1,620	1,938	9.4	2.3



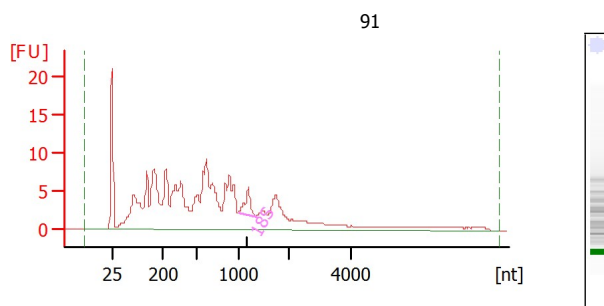
Overall Results for sample 5 : 89
RNA Area: 10.8
RNA Concentration: 59 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 1



Overall Results for sample 6 : 90
RNA Area: 183.4
RNA Concentration: 1,009 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

Fragment table for sample 6 :

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,151	1,322	0.7	0.4



Overall Results for sample 7 : 91
RNA Area: 268.7
RNA Concentration: 1,479 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 3.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 3.20

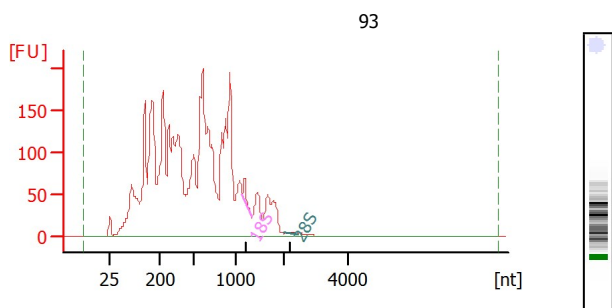
Fragment table for sample 7 :

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	985	1,352	7.0	2.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_14-43-21.xad

Created: 1/28/2016 2:43:20 PM
Modified: 1/29/2016 3:30:00 PM

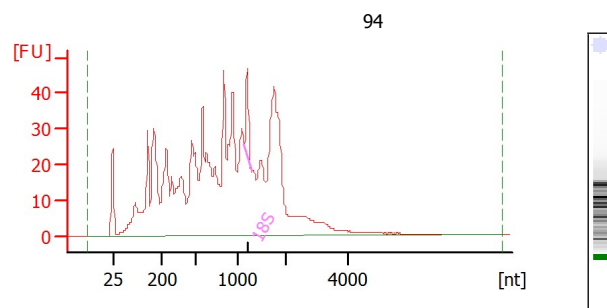
Electropherogram Summary Continued ...



Overall Results for sample 8 : 93
RNA Area: 4,582.7
RNA Concentration: 25,217 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 2.1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.10

Fragment table for sample 8 : 93

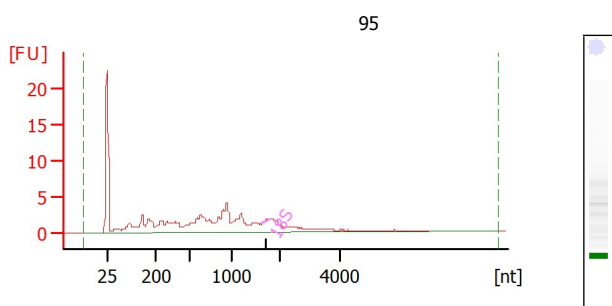
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,129	1,311	25.7	0.6
28S	2,006	2,436	1.7	0.0



Overall Results for sample 9 : 94
RNA Area: 1,146.3
RNA Concentration: 6,308 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.90

Fragment table for sample 9 : 94

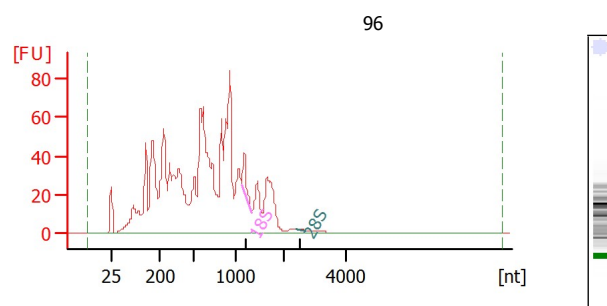
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,130	1,270	23.5	2.0



Overall Results for sample 10 : 95
RNA Area: 99.6
RNA Concentration: 548 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2

Fragment table for sample 10 : 95

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,656	1,824	0.5	0.5



Overall Results for sample 11 : 96
RNA Area: 1,584.6
RNA Concentration: 8,720 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.50

Fragment table for sample 11 : 96

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,122	1,324	22.9	1.4
28S	2,421	2,721	0.6	0.0