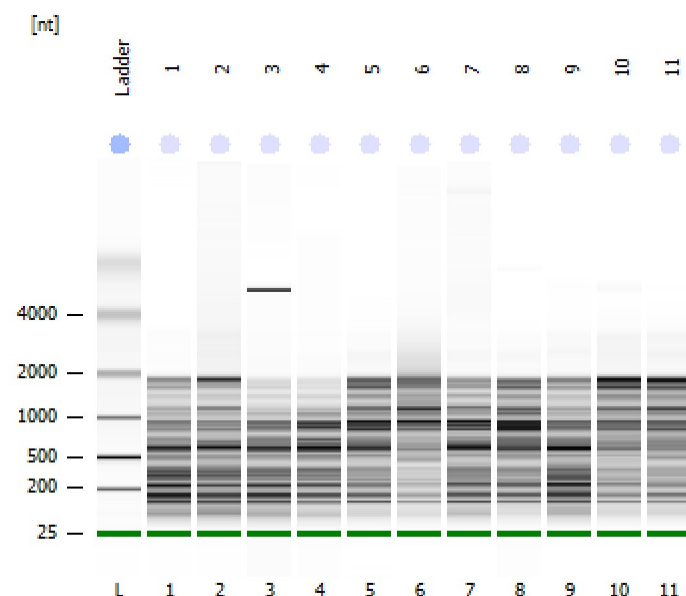


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-29_16-07-02.xad

Created: 1/29/2016 4:07:02 PM
Modified: 2/1/2016 12:49:30 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

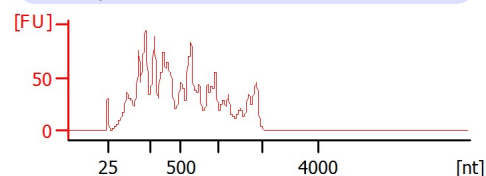
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

© Copyright 2003 - 2009 Agilent Technologies, Inc.

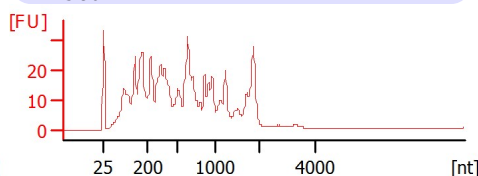
Chip Information:

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

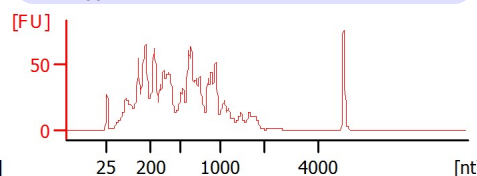
1
Redo of chip 1
RIN: 2.70



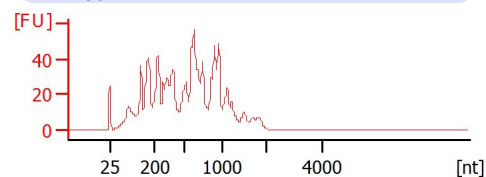
2
RIN: 3.90



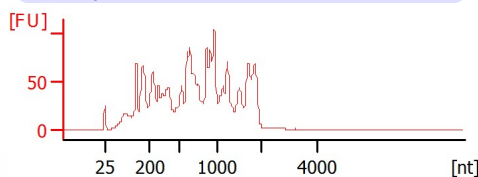
3
RIN: 2.60



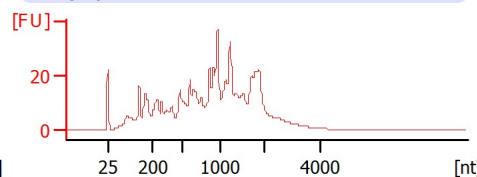
4
RIN: 2.90



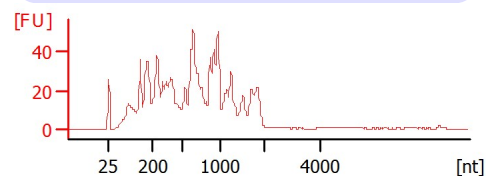
5
RIN: 2.70



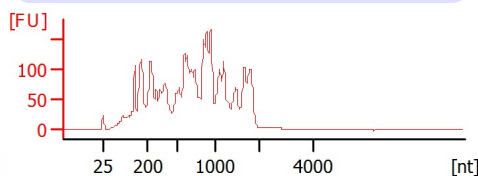
6
RIN: 5.40



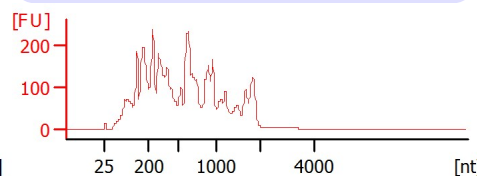
7
RIN: 2.60



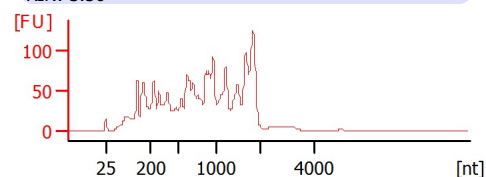
8
RIN: 2.40



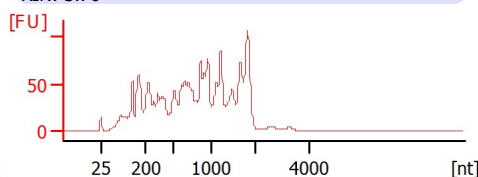
9
RIN: 2.70



10
RIN: 3.50



11
RIN: 3.70



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-29_16-07-02.xad

Created: 1/29/2016 4:07:02 PM
Modified: 2/1/2016 12:49:30 PM

Electrophoresis File Run Summary (Chip Summary)

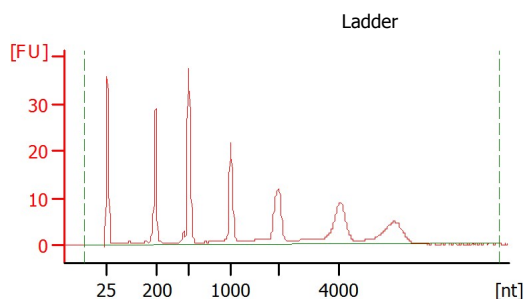
Sample Name	Sample Comment	Status	Result Label	Result Color
1	Redo of chip 1	✓	RIN: 2.70	
2		✓	RIN: 3.90	
3		✓	RIN: 2.60	
4		✓	RIN: 2.90	
5		✓	RIN: 2.70	
6		✓	RIN: 5.40	
7		✓	RIN: 2.60	
8		✓	RIN: 2.40	
9		✓	RIN: 2.70	
10		✓	RIN: 3.50	
11		✓	RIN: 3.70	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-29_16-07-02.xad

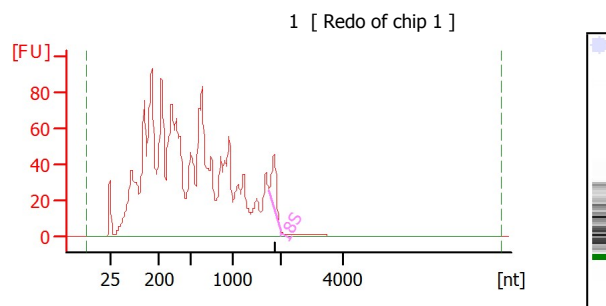
Created: 1/29/2016 4:07:02 PM
Modified: 2/1/2016 12:49:30 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 244.7
RNA Concentration: 1,000 pg/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

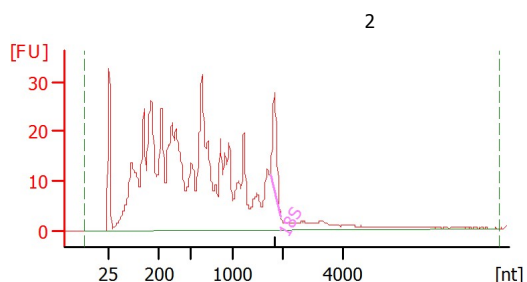


Overall Results for sample 1 : 1

RNA Area: 2,280.2
RNA Concentration: 9,317 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 1 : 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,738	1,974	45.3	2.0

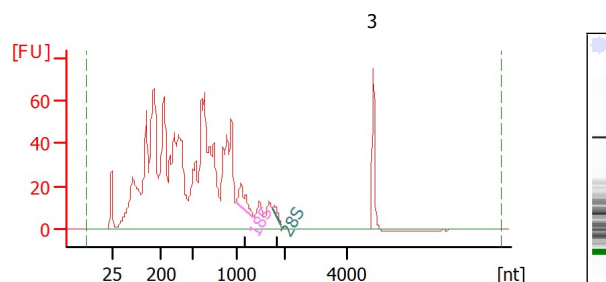


Overall Results for sample 2 : 2

RNA Area: 792.9
RNA Concentration: 3,240 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 3.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 3.90

Fragment table for sample 2 : 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,750	1,985	26.8	3.4



Overall Results for sample 3 : 3

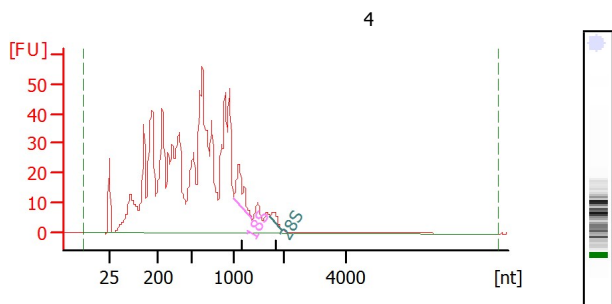
RNA Area: 1,621.0
RNA Concentration: 6,624 pg/μl
rRNA Ratio [28s / 18s]: 0.2
RNA Integrity Number (RIN): 2.6 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 2.60

Fragment table for sample 3 : 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	993	1,353	27.6	1.7
28S	1,752	1,925	5.0	0.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-29_16-07-02.xad

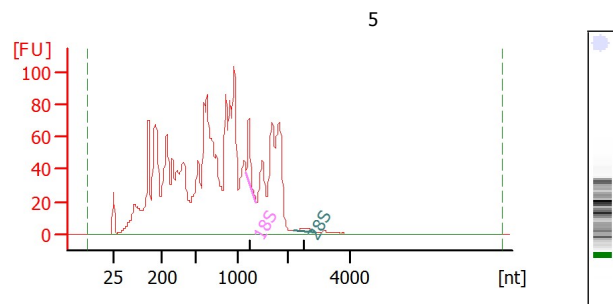
Created: 1/29/2016 4:07:02 PM
Modified: 2/1/2016 12:49:30 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 :**4

RNA Area: 1,148.5
RNA Concentration: 4,693 pg/μl
rRNA Ratio [28s / 18s]: 0.2
RNA Integrity Number (RIN): 2.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.90

Fragment table for sample 4 :4

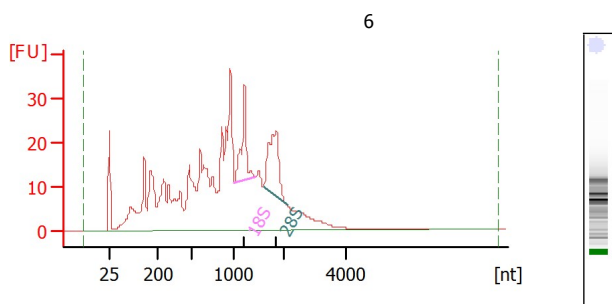
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	987	1,348	31.0	2.7
28S	1,728	1,953	5.3	0.5

**Overall Results for sample 5 :**5

RNA Area: 2,354.7
RNA Concentration: 9,622 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 2.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.70

Fragment table for sample 5 :5

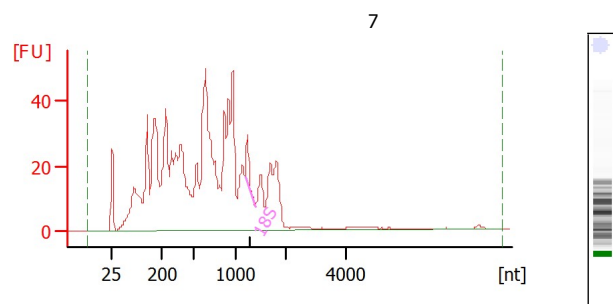
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,150	1,357	37.7	1.6
28S	2,184	2,904	5.6	0.2

**Overall Results for sample 6 :**6

RNA Area: 708.3
RNA Concentration: 2,894 pg/μl
rRNA Ratio [28s / 18s]: 1.4
RNA Integrity Number (RIN): 5.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 5.40

Fragment table for sample 6 :6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	996	1,435	35.4	5.0
28S	1,590	2,116	49.1	6.9

**Overall Results for sample 7 :**7

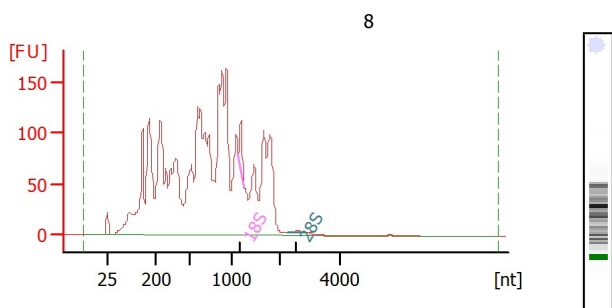
RNA Area: 1,149.8
RNA Concentration: 4,698 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.60

Fragment table for sample 7 :7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,168	1,376	16.1	1.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-29_16-07-02.xad

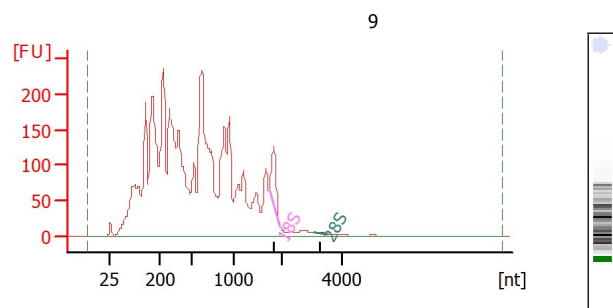
Created: 1/29/2016 4:07:02 PM
Modified: 2/1/2016 12:49:30 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 8**

RNA Area: 3,788.4
RNA Concentration: 15,480 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 2.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.40

Fragment table for sample 8 : 8

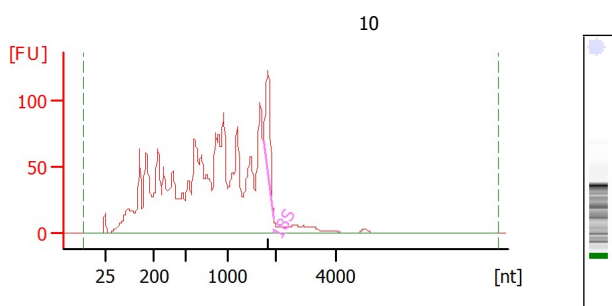
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,154	1,267	40.0	1.1
28S	2,290	2,881	5.0	0.1

**Overall Results for sample 9 : 9**

RNA Area: 5,859.8
RNA Concentration: 23,945 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 9 : 9

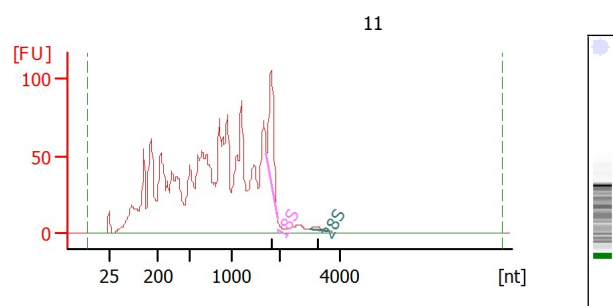
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,736	1,964	125.8	2.1
28S	3,089	3,531	2.9	0.0

**Overall Results for sample 10 : 10**

RNA Area: 2,562.8
RNA Concentration: 10,472 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 3.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 3.50

Fragment table for sample 10 : 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,741	1,980	117.3	4.6

**Overall Results for sample 11 : 11**

RNA Area: 2,245.6
RNA Concentration: 9,176 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 11 : 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,732	1,971	105.7	4.7
28S	3,024	3,635	4.2	0.2