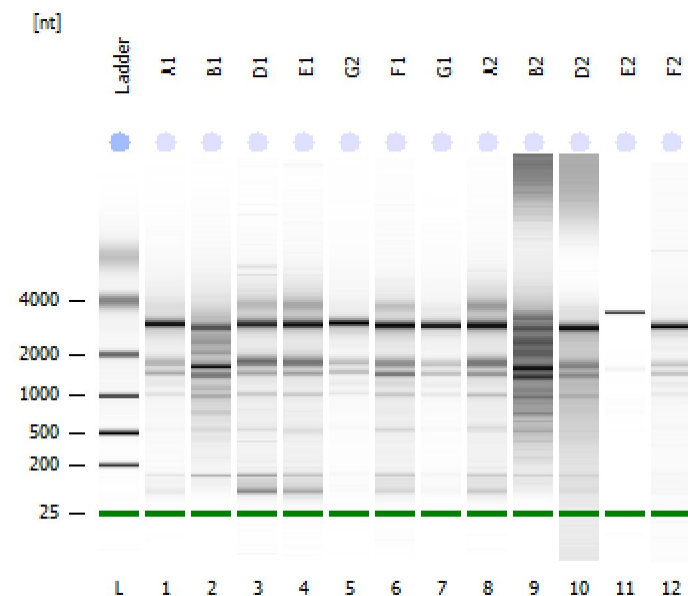


Assay Class: Eukaryote Total RNA Nano
Data Path: \\1...Eukaryote Total RNA Nano_DE23101893_2015-05-06_09-36-22.xad

Created: 5/6/2015 9:36:22 AM
Modified: 5/6/2015 3:58:01 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE23101893
Serial#: DE23101893

Firmware: C.01.069
Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

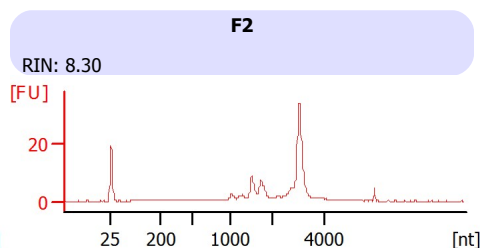
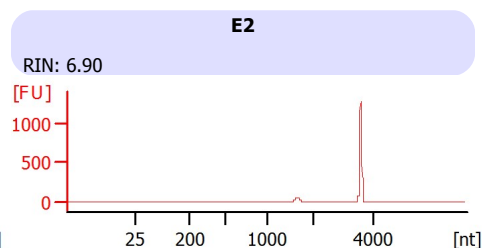
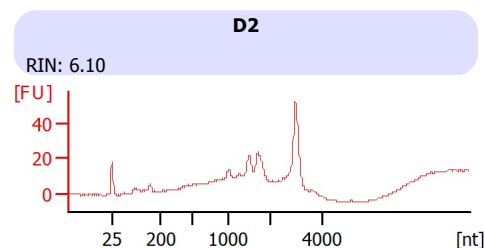
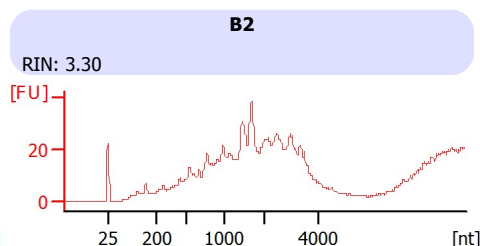
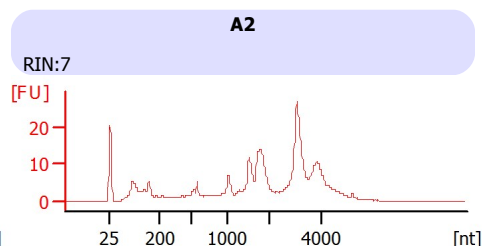
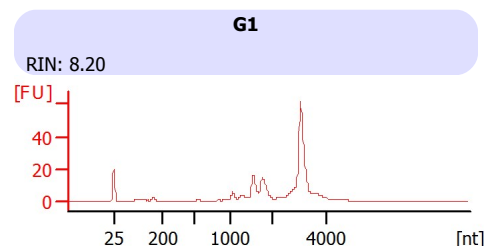
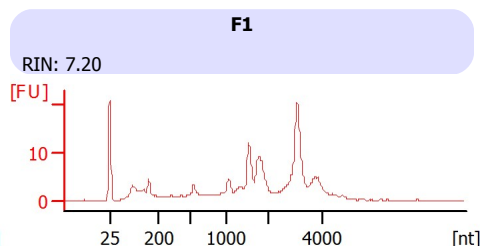
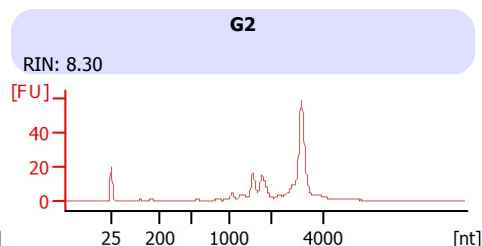
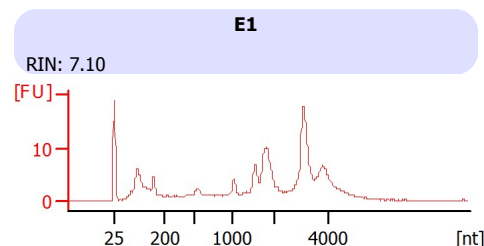
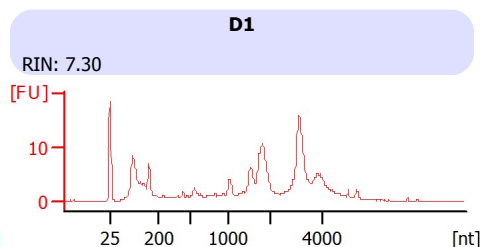
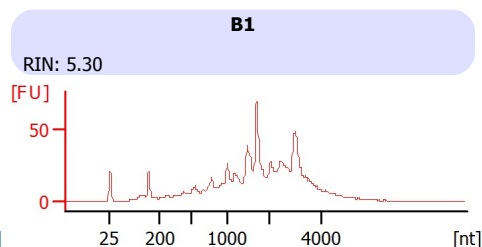
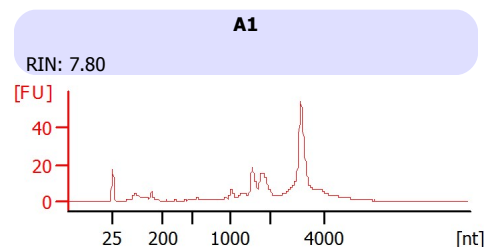
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: \\1...Eukaryote Total RNA Nano_DE23101893_2015-05-06_09-36-22.xad

Created: 5/6/2015 9:36:22 AM
Modified: 5/6/2015 3:58:01 PM

Electrophoresis File Run Summary (Chip Summary)

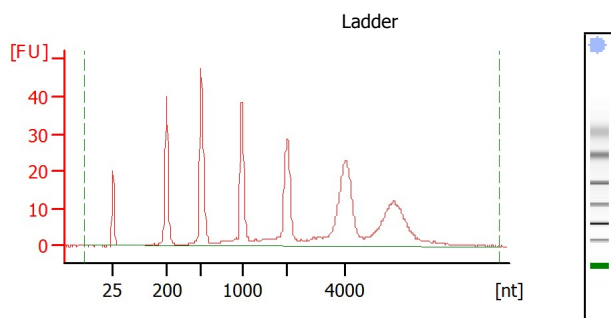
Sample Name	Sample Comment	Status	Result Label	Result Color
A1		✓	RIN: 7.80	
B1		✓	RIN: 5.30	
D1		✓	RIN: 7.30	
E1		✓	RIN: 7.10	
G2		✓	RIN: 8.30	
F1		✓	RIN: 7.20	
G1		✓	RIN: 8.20	
A2		✓	RIN:7	
B2		✓	RIN: 3.30	
D2		✓	RIN: 6.10	
E2		✓	RIN: 6.90	
F2		✓	RIN: 8.30	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: \\1...Eukaryote Total RNA Nano_DE23101893_2015-05-06_09-36-22.xad

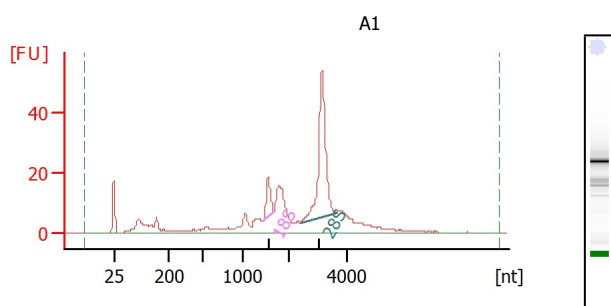
Created: 5/6/2015 9:36:22 AM
Modified: 5/6/2015 3:58:01 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 472.6
RNA Concentration: 150 ng/μl
Result Flagging Color:
Result Flagging Label: All Other Samples



Overall Results for sample 1 : A1

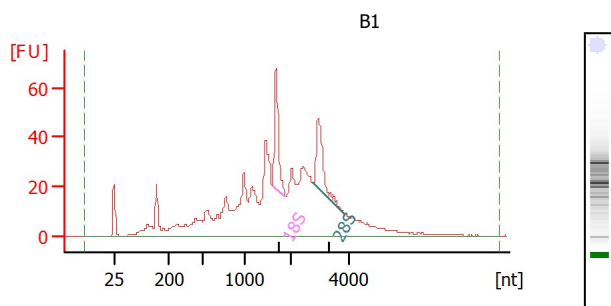
RNA Area: 386.8
RNA Concentration: 123 ng/μl
rRNA Ratio [28s / 18s]: 5.5
RNA Integrity Number (RIN): 7.8 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7.80

Fragment table for sample 1 : A1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,435	1,672	17.4	4.5
28S	2,389	3,621	96.2	24.9

Assay Class: Eukaryote Total RNA Nano
Data Path: \\1...Eukaryote Total RNA Nano_DE23101893_2015-05-06_09-36-22.xad

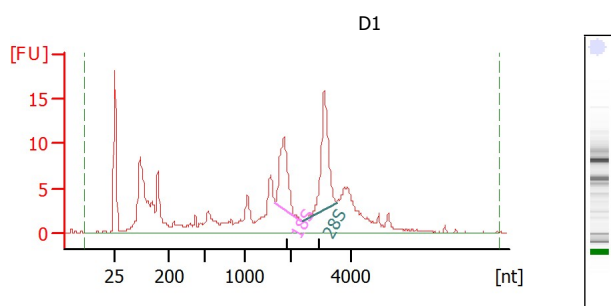
Created: 5/6/2015 9:36:22 AM
Modified: 5/6/2015 3:58:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : B1**

RNA Area: 977.5
RNA Concentration: 310 ng/μl
rRNA Ratio [28s / 18s]: 0.9
RNA Integrity Number (RIN): 5.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 5.30

Fragment table for sample 2 : B1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,610	1,902	59.5	6.1
28S	2,790	3,847	55.9	5.7

**Overall Results for sample 3 : D1**

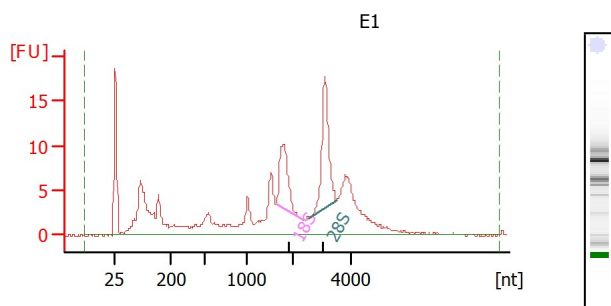
RNA Area: 228.8
RNA Concentration: 73 ng/μl
rRNA Ratio [28s / 18s]: 1.4
RNA Integrity Number (RIN): 7.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 7.30

Fragment table for sample 3 : D1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,650	2,305	20.2	8.8
28S	2,390	3,543	27.8	12.2

Assay Class: Eukaryote Total RNA Nano
Data Path: \\1...Eukaryote Total RNA Nano_DE23101893_2015-05-06_09-36-22.xad

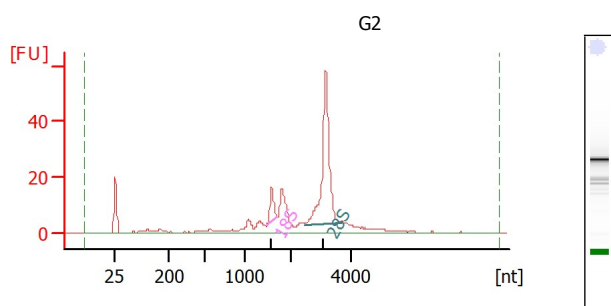
Created: 5/6/2015 9:36:22 AM
Modified: 5/6/2015 3:58:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : E1**

RNA Area: 225.2
RNA Concentration: 71 ng/μl
rRNA Ratio [28s / 18s]: 1.5
RNA Integrity Number (RIN): 7.1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 7.10

Fragment table for sample 4 : E1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,651	2,263	19.6	8.7
28S	2,590	3,484	29.8	13.2

**Overall Results for sample 5 : G2**

RNA Area: 298.4
RNA Concentration: 95 ng/μl
rRNA Ratio [28s / 18s]: 6.9
RNA Integrity Number (RIN): 8.3 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 8.30

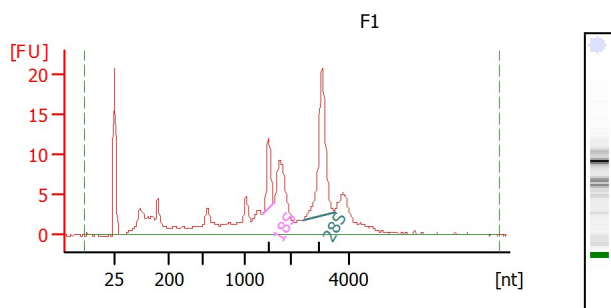
Fragment table for sample 5 : G2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,459	1,695	15.8	5.3
28S	2,447	3,643	108.3	36.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: \\1...Eukaryote Total RNA Nano_DE23101893_2015-05-06_09-36-22.xad

Created: 5/6/2015 9:36:22 AM
 Modified: 5/6/2015 3:58:01 PM

Electropherogram Summary Continued ...

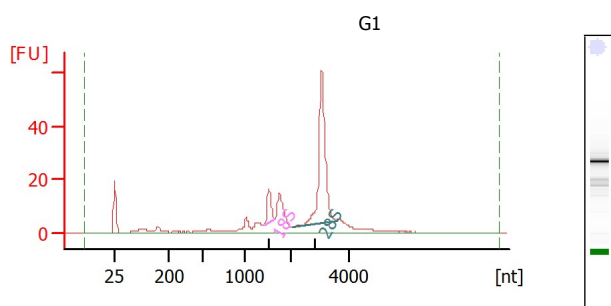


Overall Results for sample 6 : F1

RNA Area: 222.5
 RNA Concentration: 71 ng/μl
 rRNA Ratio [28s / 18s]: 3.2
 RNA Integrity Number (RIN): 7.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.20

Fragment table for sample 6 : F1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,393	1,639	11.7	5.3
28S	2,418	3,488	37.0	16.6



Overall Results for sample 7 : G1

RNA Area: 303.4
 RNA Concentration: 96 ng/μl
 rRNA Ratio [28s / 18s]: 6.3
 RNA Integrity Number (RIN): 8.2 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.20

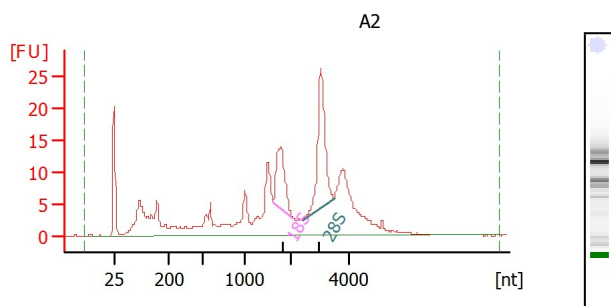
Fragment table for sample 7 : G1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,430	1,657	16.4	5.4
28S	2,076	3,545	103.7	34.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: \\1...Eukaryote Total RNA Nano_DE23101893_2015-05-06_09-36-22.xad

Created: 5/6/2015 9:36:22 AM
 Modified: 5/6/2015 3:58:01 PM

Electropherogram Summary Continued ...

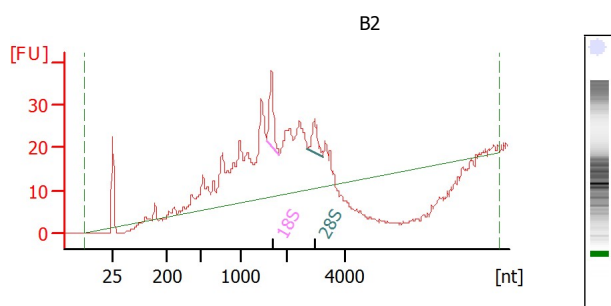


Overall Results for sample 8 : A2

RNA Area: 329.9
 RNA Concentration: 105 ng/μl
 rRNA Ratio [28s / 18s]: 1.7
 RNA Integrity Number (RIN): 7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:7

Fragment table for sample 8 : A2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,637	2,103	25.9	7.8
28S	2,432	3,504	44.7	13.5



Overall Results for sample 9 : B2

RNA Area: 465.1
 RNA Concentration: 148 ng/μl
 rRNA Ratio [28s / 18s]: 0.5
 RNA Integrity Number (RIN): 3.3 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 3.30

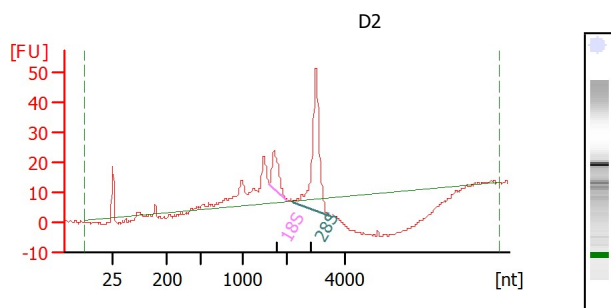
Fragment table for sample 9 : B2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,567	1,842	24.0	5.2
28S	2,705	3,238	11.8	2.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: \\1...Eukaryote Total RNA Nano_DE23101893_2015-05-06_09-36-22.xad

Created: 5/6/2015 9:36:22 AM
 Modified: 5/6/2015 3:58:01 PM

Electropherogram Summary Continued ...

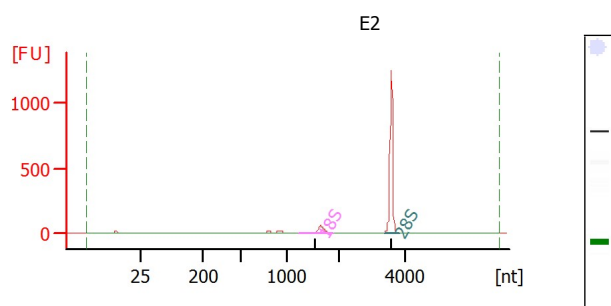


Overall Results for sample 10 : D2

RNA Area: 229.3
 RNA Concentration: 73 ng/μl
 rRNA Ratio [28s / 18s]: 3.8
 RNA Integrity Number (RIN): 6.1 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.10

Fragment table for sample 10 : D2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,605	1,972	26.6	11.6
28S	2,172	3,496	101.2	44.1



Overall Results for sample 11 : E2

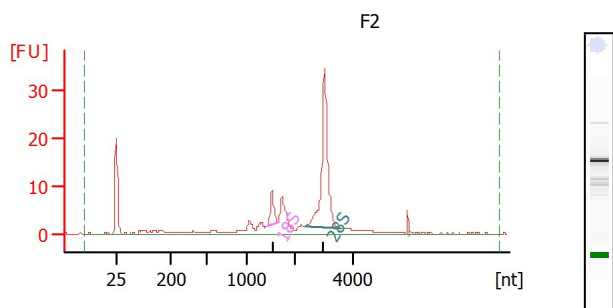
RNA Area: 1,075.9
 RNA Concentration: 341 ng/μl
 rRNA Ratio [28s / 18s]: 7.8
 RNA Integrity Number (RIN): 6.9 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.90

Fragment table for sample 11 : E2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,202	1,878	99.6	9.3
28S	3,349	3,791	775.6	72.1

Assay Class: Eukaryote Total RNA Nano
Data Path: \\1...Eukaryote Total RNA Nano_DE23101893_2015-05-06_09-36-22.xad

Created: 5/6/2015 9:36:22 AM
Modified: 5/6/2015 3:58:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : F2**

RNA Area: 154.3
RNA Concentration: 49 ng/μl
rRNA Ratio [28s / 18s]: 6.7
RNA Integrity Number (RIN): 8.3 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 8.30

Fragment table for sample 12 : F2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,438	1,654	8.6	5.6
28S	2,392	3,580	57.7	37.4