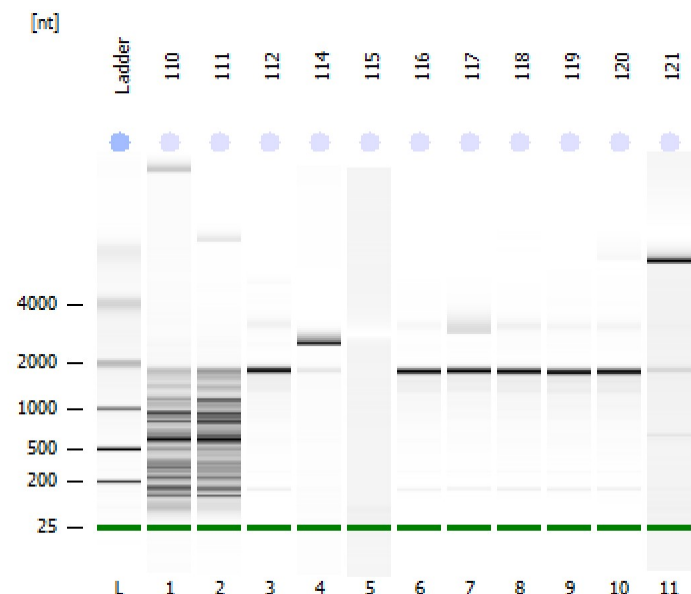


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_16-01-13.xad

Created: 1/28/2016 4:01:13 PM
Modified: 1/29/2016 3:32:11 PM

Electrophoresis File Run Summary



Instrument Information:

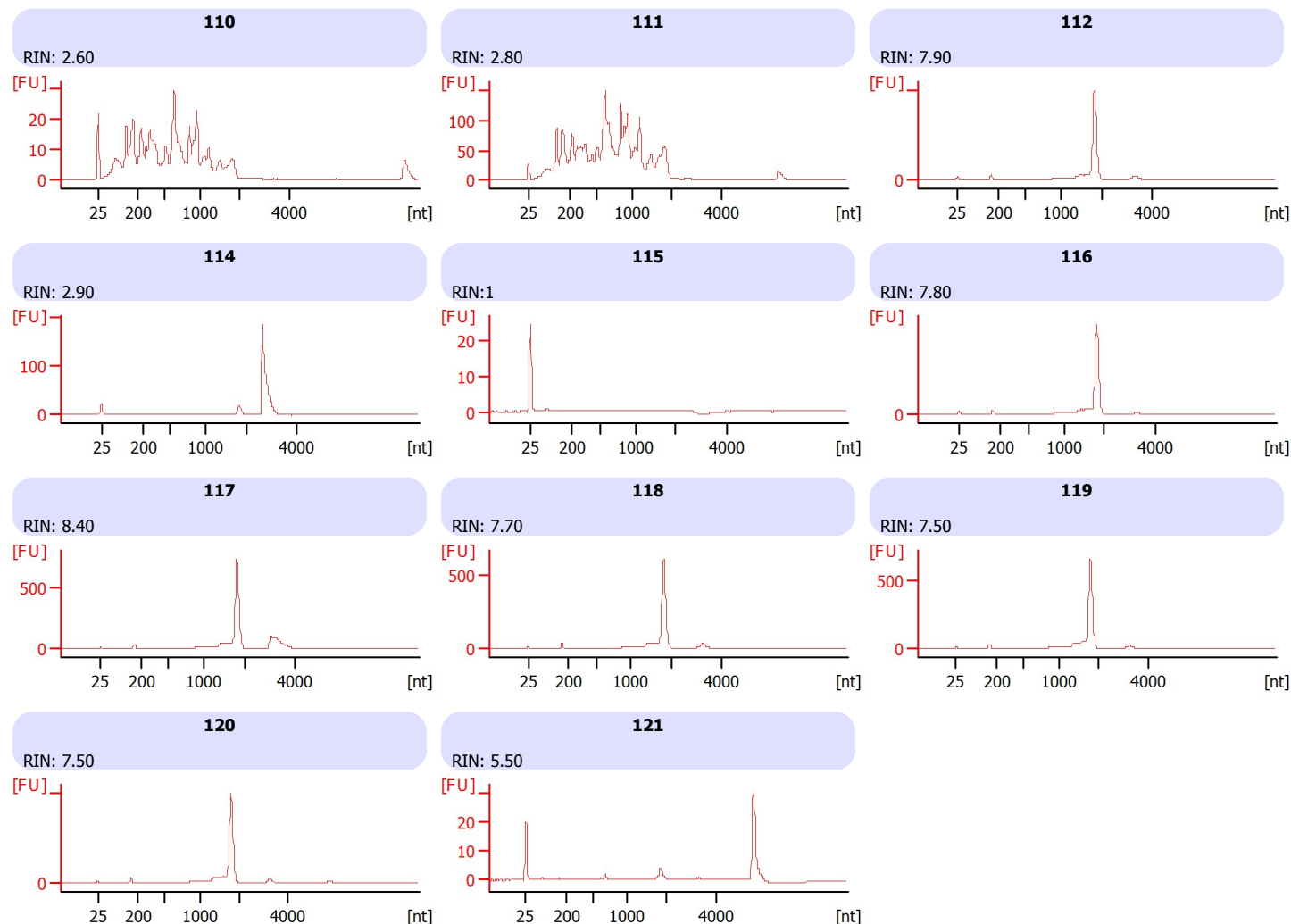
Instrument Name: Bioanalyzer
Serial#: DE20901668
Firmware: C.01.069
Type: G2938B

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_16-01-13.xad

Created: 1/28/2016 4:01:13 PM
Modified: 1/29/2016 3:32:11 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
110		✓	RIN: 2.60	
111		✓	RIN: 2.80	
112		✓	RIN: 7.90	
114		✓	RIN: 2.90	
115		✓	RIN:1	
116		✓	RIN: 7.80	
117		✓	RIN: 8.40	
118		✓	RIN: 7.70	
119		✓	RIN: 7.50	
120		✓	RIN: 7.50	
121		✓	RIN: 5.50	
Ladder		✓	All Other Samples	

Chip Lot #

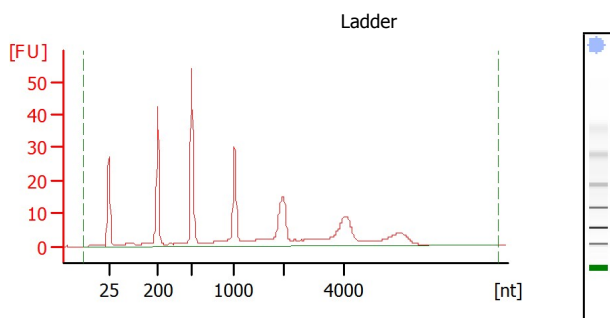
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_16-01-13.xad

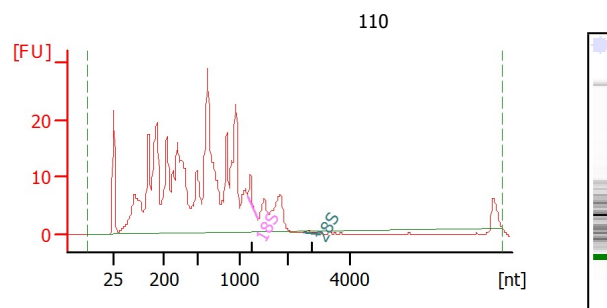
Created: 1/28/2016 4:01:13 PM
Modified: 1/29/2016 3:32:11 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 320.4
RNA Concentration: 1,000 pg/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

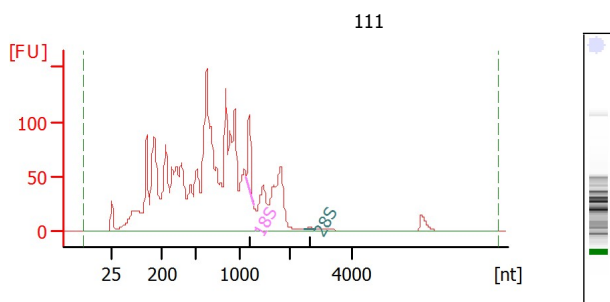


Overall Results for sample 1 : 110

RNA Area: 503.9
RNA Concentration: 1,573 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 2.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.60

Fragment table for sample 1 : 110

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,160	1,349	4.8	0.9
28S	2,493	2,983	0.6	0.1

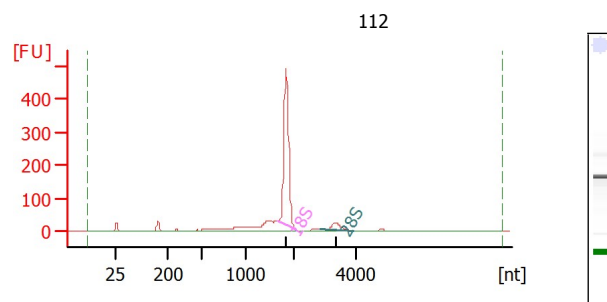


Overall Results for sample 2 : 111

RNA Area: 2,912.4
RNA Concentration: 9,089 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 2 : 111

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,124	1,268	67.8	2.3
28S	2,425	2,815	1.5	0.1



Overall Results for sample 3 : 112

RNA Area: 1,413.3
RNA Concentration: 4,410 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 7.9 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7.90

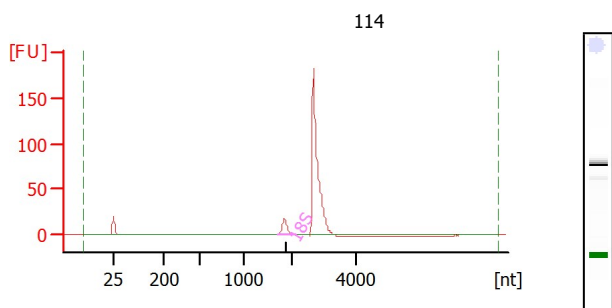
Fragment table for sample 3 : 112

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,676	2,049	709.1	50.2
28S	2,841	3,875	60.6	4.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_16-01-13.xad

Created: 1/28/2016 4:01:13 PM
Modified: 1/29/2016 3:32:11 PM

Electropherogram Summary Continued ...



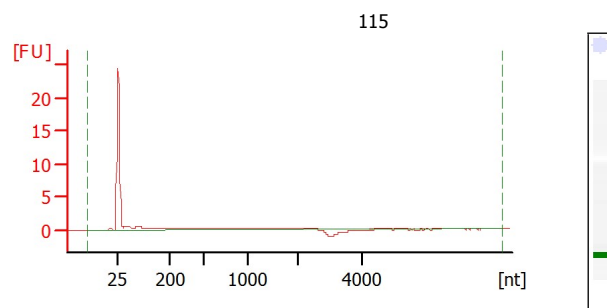
Overall Results for sample 4 : 114

RNA Area: 344.3
RNA Concentration: 1,075 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 4 : 114

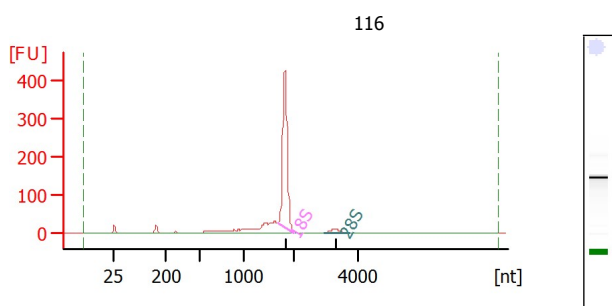
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
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18S	1,688	2,105	23.5	6.8
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Overall Results for sample 5 : 115

RNA Area: 12.2
RNA Concentration: 38 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 1



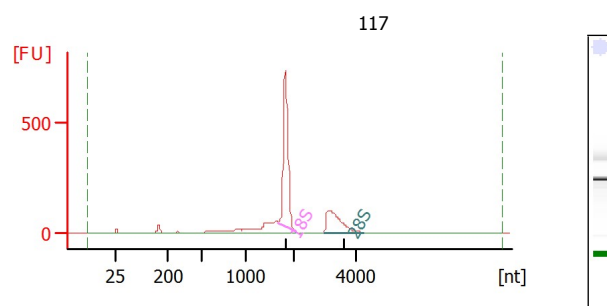
Overall Results for sample 6 : 116

RNA Area: 1,121.6
RNA Concentration: 3,500 pg/μl
rRNA Ratio [28s / 18s]: 0.0
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 6 : 116

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
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18S	1,666	1,992	591.2	52.7
28S	2,904	3,727	24.4	2.2



Overall Results for sample 7 : 117

RNA Area: 2,335.8
RNA Concentration: 7,289 pg/μl
rRNA Ratio [28s / 18s]: 0.4
RNA Integrity Number (RIN): 8.4 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 8.40

Fragment table for sample 7 : 117

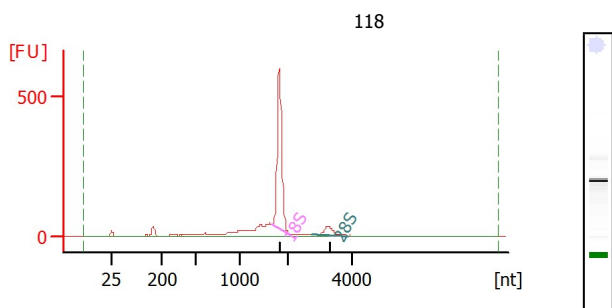
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
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18S	1,684	2,022	1,022.0	43.8
28S	2,935	4,251	393.3	16.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-28_16-01-13.xad

Created: 1/28/2016 4:01:13 PM
Modified: 1/29/2016 3:32:11 PM

Electropherogram Summary Continued ...

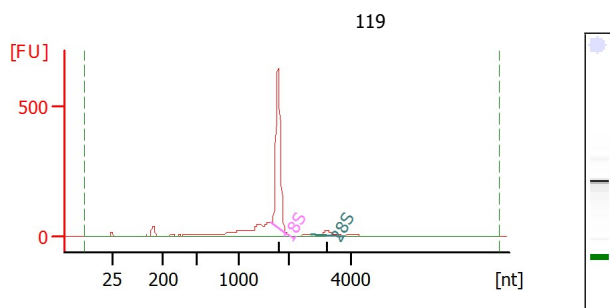


Overall Results for sample 8 : 118

RNA Area: 1,764.5
RNA Concentration: 5,506 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 7.7 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7.70

Fragment table for sample 8 : 118

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,664	2,007	858.4	48.6
28S	2,735	3,882	79.3	4.5

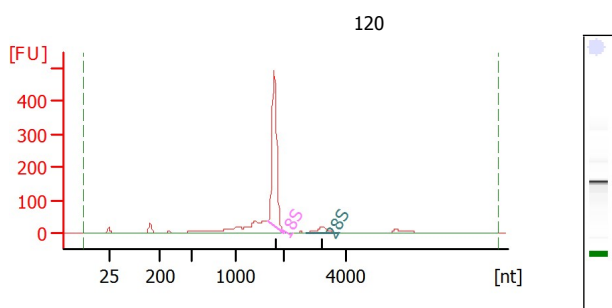


Overall Results for sample 9 : 119

RNA Area: 1,856.0
RNA Concentration: 5,792 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 7.5 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7.50

Fragment table for sample 9 : 119

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,645	1,986	903.4	48.7
28S	2,709	3,779	53.7	2.9

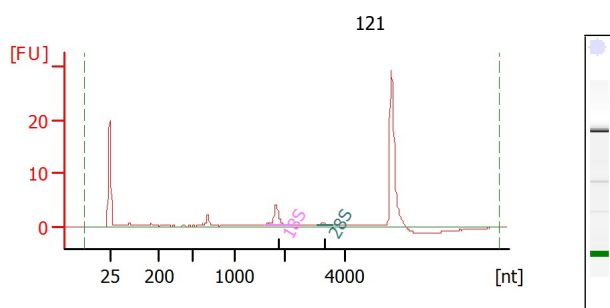


Overall Results for sample 10 : 120

RNA Area: 1,499.8
RNA Concentration: 4,680 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 7.5 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7.50

Fragment table for sample 10 : 120

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,656	1,992	704.4	47.0
28S	2,739	3,764	44.4	3.0



Overall Results for sample 11 : 121

RNA Area: 77.4
RNA Concentration: 242 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 5.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 5.50

Fragment table for sample 11 : 121

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,594	2,315	5.8	7.5
28S	3,082	3,575	0.5	0.6