

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...0 expert\data\2017-05-04\2017-05-04_001_Lawrence_RNA_QC.xad

Created: 5/4/2017 10:52:16 AM
Modified: 5/19/2017 10:42:49 AM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\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)

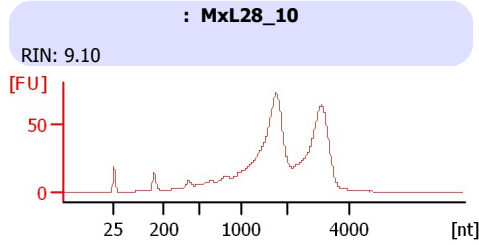
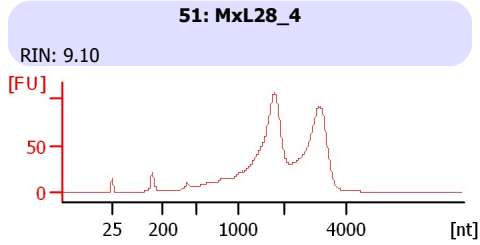
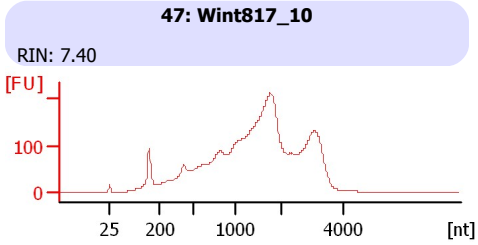
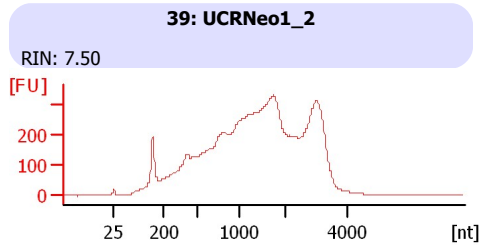
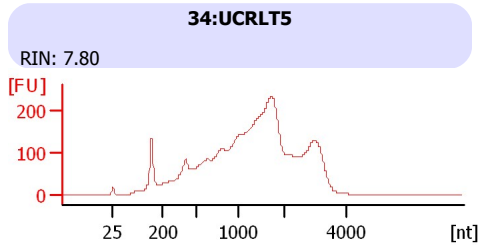
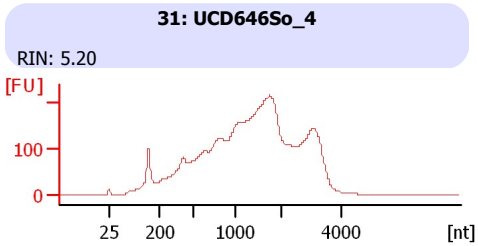
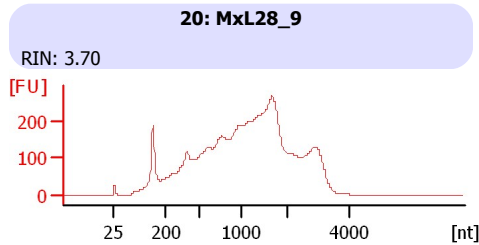
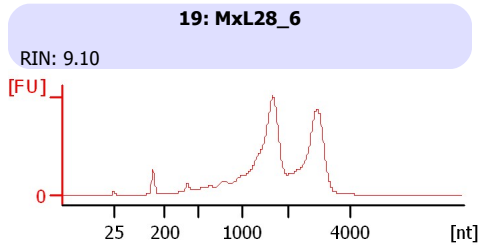
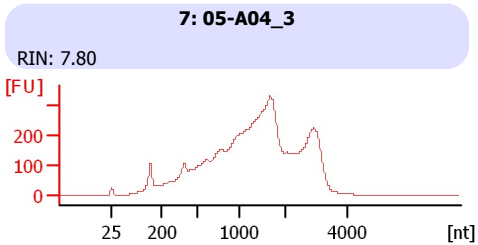
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
7: 05-A04_3		✓	RIN: 7.80	
19: MxL28_6		✓	RIN: 9.10	
20: MxL28_9		✓	RIN: 3.70	
31: UCD646So_4		✓	RIN: 5.20	
34: UCRLT5		✓	RIN: 7.80	
39: UCRNeo1_2		✓	RIN: 7.50	
47: Wint817_10		✓	RIN: 7.40	
51: MxL28_4		✓	RIN: 9.10	
: MxL28_10		✓	RIN: 9.10	
Ladder		✓	All Other Samples	

Chip Lot #

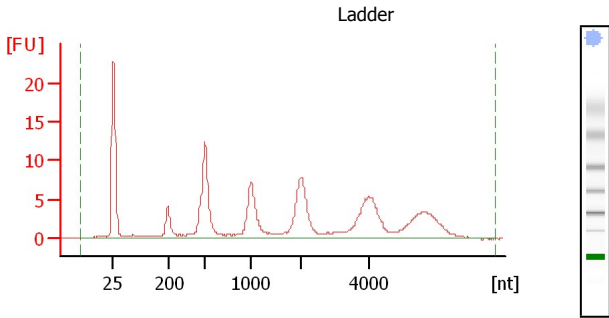
Reagent Kit Lot #

Chip Comments :

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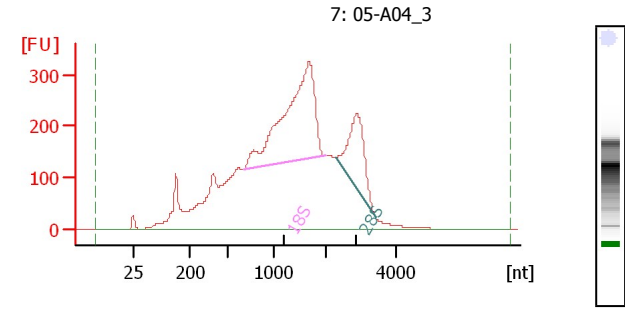
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Electropherogram Summary



Overall Results for Ladder

RNA Area: 176.3
 RNA Concentration: 1,000 pg/µl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

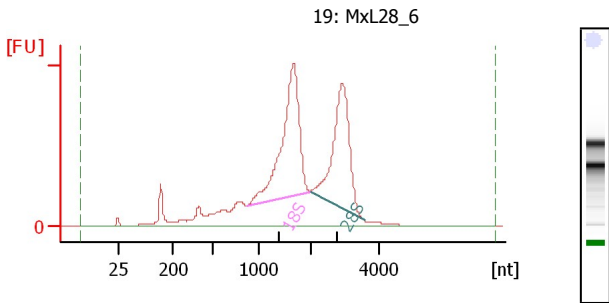


Overall Results for sample 3

RNA Area: 8,664.8
 RNA Concentration: 49,137 pg/µl
 rRNA Ratio [28s / 18s]: 0.3
 RNA Integrity Number (RIN): 7.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.80

Fragment table for sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	667	1,987	1,816.6	21.0
28S	2,309	3,435	609.7	7.0

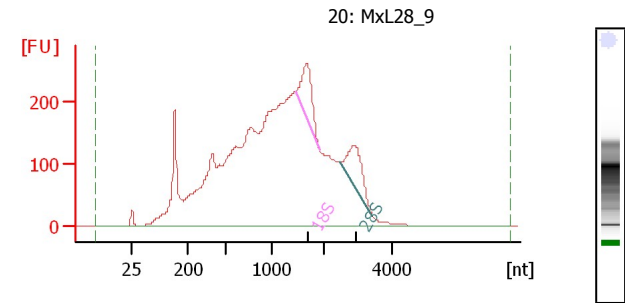


Overall Results for sample 4

RNA Area: 7,670.3
 RNA Concentration: 43,497 pg/µl
 rRNA Ratio [28s / 18s]: 0.8
 RNA Integrity Number (RIN): 9.1 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.10

Fragment table for sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	875	1,995	2,128.7	27.8
28S	2,017	3,571	1,701.1	22.2



Overall Results for sample 5

RNA Area: 7,968.5
 RNA Concentration: 45,188 pg/µl
 rRNA Ratio [28s / 18s]: 0.9
 RNA Integrity Number (RIN): 3.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 3.70

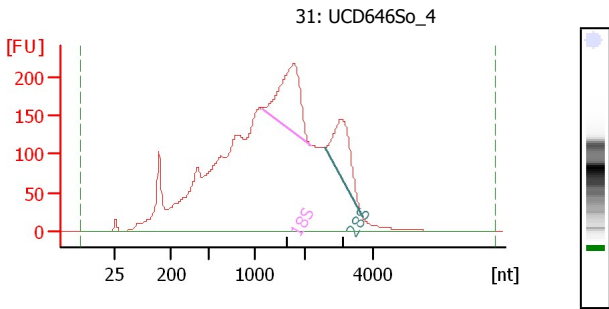
Fragment table for sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,455	1,921	285.3	3.6
28S	2,480	3,430	260.6	3.3

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Electropherogram Summary Continued ...

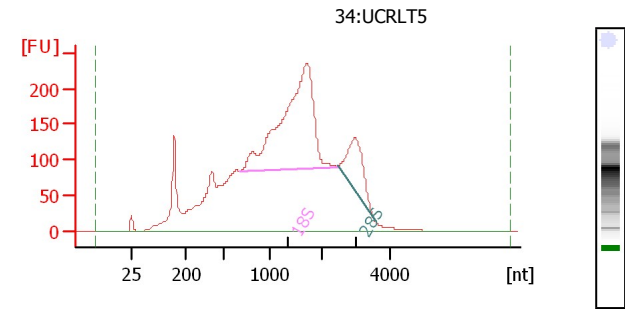


Overall Results for sample 6

RNA Area: 6,787.2
 RNA Concentration: 38,489 pg/μl
 rRNA Ratio [28s / 18s]: 0.7
 RNA Integrity Number (RIN): 5.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 5.20

Fragment table for sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,168	2,162	529.5	7.8
28S	2,555	3,686	358.6	5.3

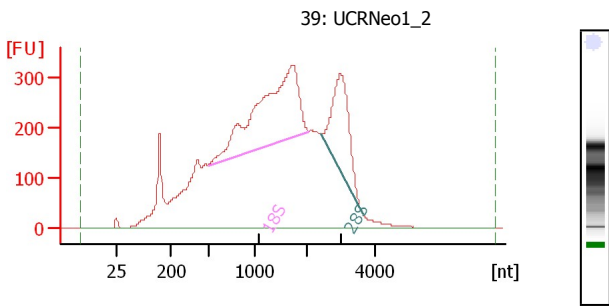


Overall Results for sample 7

RNA Area: 6,234.5
 RNA Concentration: 35,355 pg/μl
 rRNA Ratio [28s / 18s]: 0.2
 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 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	675	2,444	1,455.1	23.3
28S	2,468	3,558	329.0	5.3

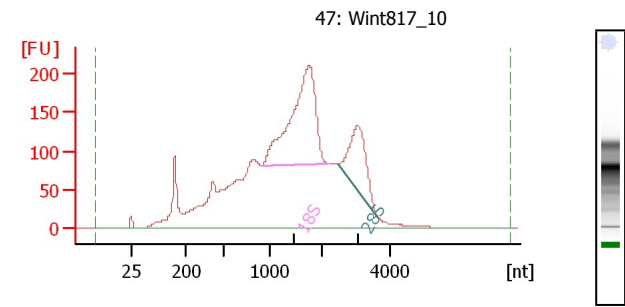


Overall Results for sample 8

RNA Area: 11,349.3
 RNA Concentration: 64,360 pg/μl
 rRNA Ratio [28s / 18s]: 0.5
 RNA Integrity Number (RIN): 7.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.50

Fragment table for sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	492	2,052	1,926.3	17.0
28S	2,432	3,619	876.8	7.7



Overall Results for sample 9

RNA Area: 5,230.8
 RNA Concentration: 29,663 pg/μl
 rRNA Ratio [28s / 18s]: 0.4
 RNA Integrity Number (RIN): 7.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.40

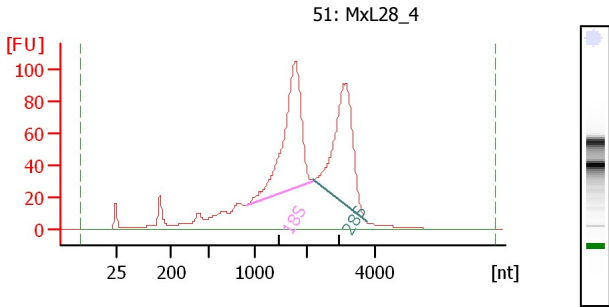
Fragment table for sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	896	2,187	980.3	18.7
28S	2,444	3,655	383.3	7.3

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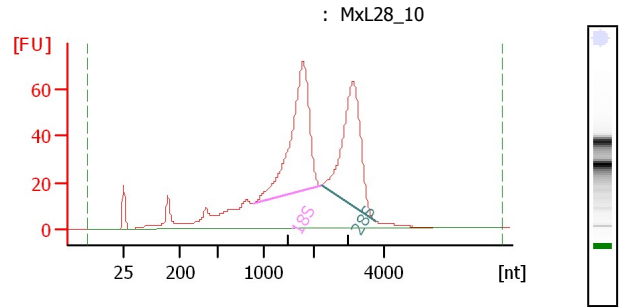


Overall Results for sample 10

RNA Area: 1,737.0
 RNA Concentration: 9,850 pg/µl
 rRNA Ratio [28s / 18s]: 0.9
 RNA Integrity Number (RIN): 9.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.10

Fragment table for sample 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	913	2,187	428.2	24.7
28S	2,211	3,769	379.0	21.8



Overall Results for sample 11

RNA Area: 1,213.1
 RNA Concentration: 6,879 pg/µl
 rRNA Ratio [28s / 18s]: 0.8
 RNA Integrity Number (RIN): 9.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.10

Fragment table for sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	893	2,187	318.5	26.3
28S	2,211	3,787	257.0	21.2

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