

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ts and Settings\Bioanalyzer\2015-05-29\2015-05-29_002_1.xad

Created: 5/29/2015 3:31:49 PM
Modified: 5/29/2015 4:11:00 PM

Electrophoresis File Run Summary

Instrument Information:

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

Assay Information:

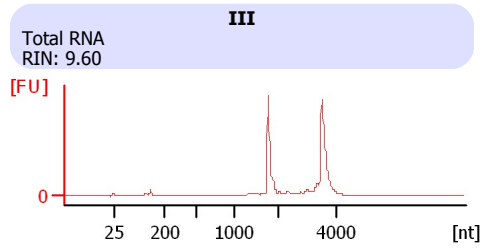
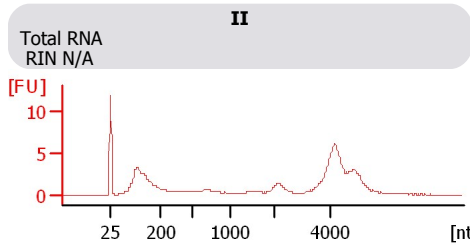
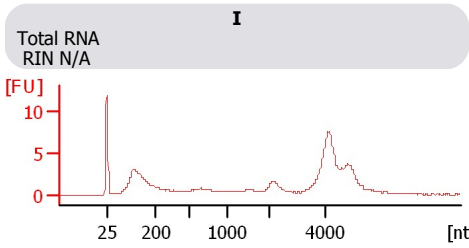
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng 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
I	Total RNA	✓	RIN N/A	
II	Total RNA	✓	RIN N/A	
III	Total RNA	✓	RIN: 9.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

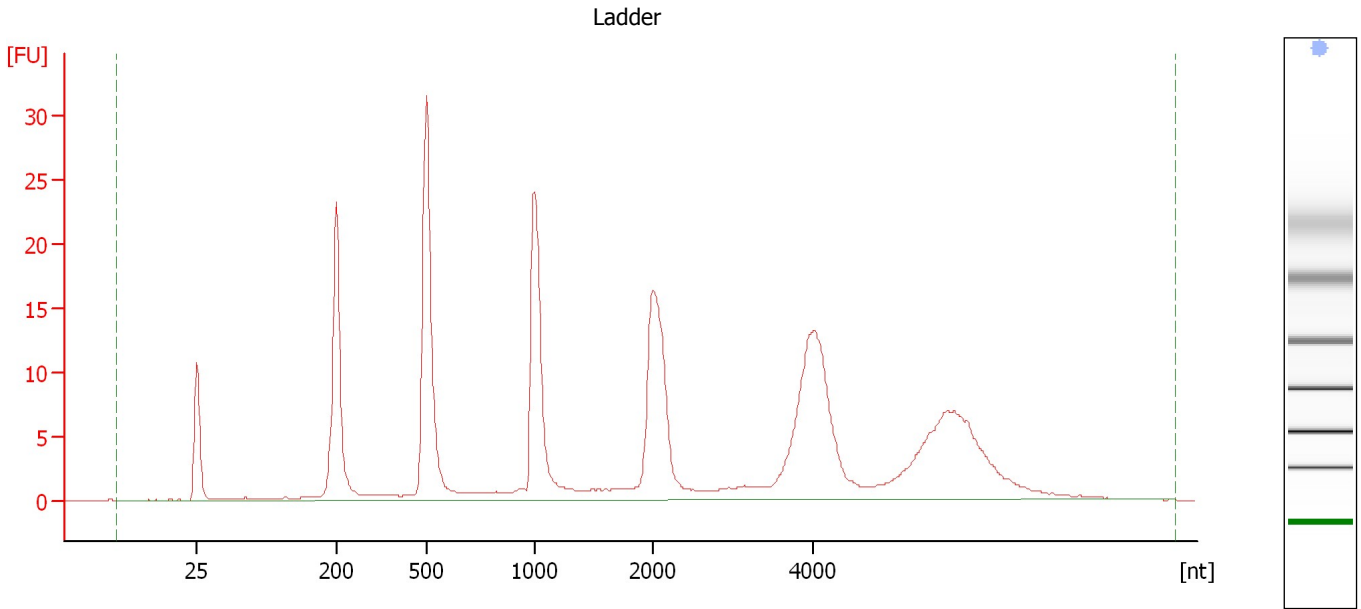
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

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Electropherogram Summary



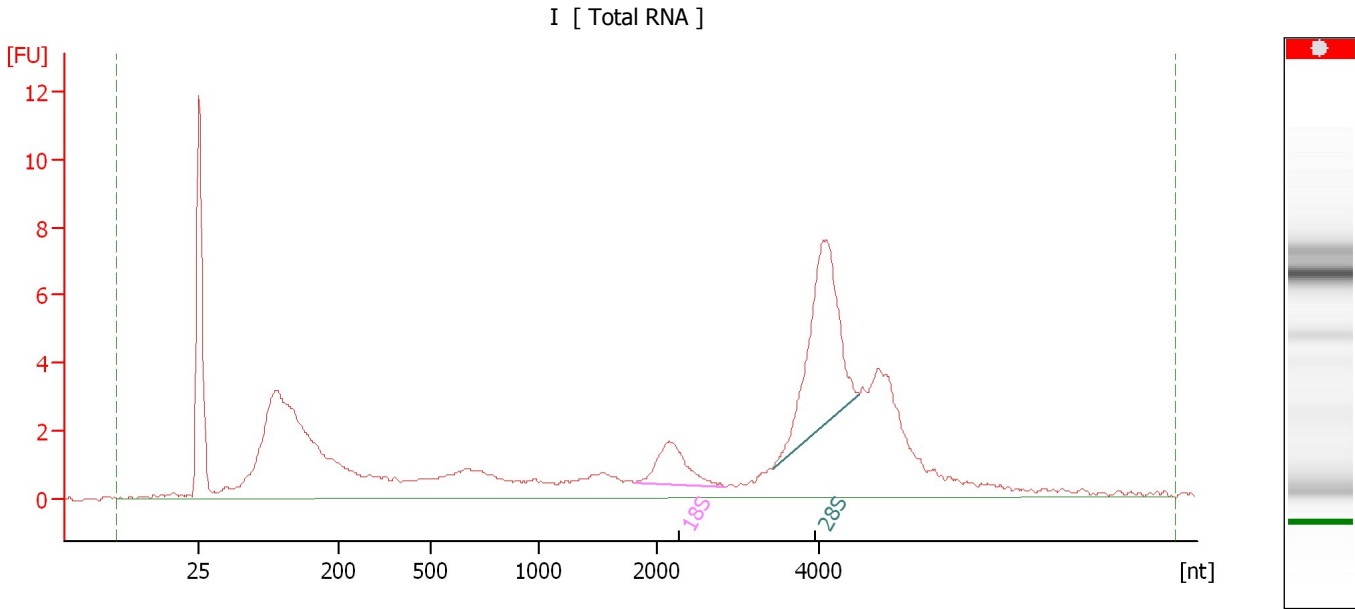
Overall Results for Ladder

RNA Area:	266.5	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...



Overall Results for sample 1 : I

RNA Area:	115.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	65 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.7	Result Flagging Label:	RIN N/A

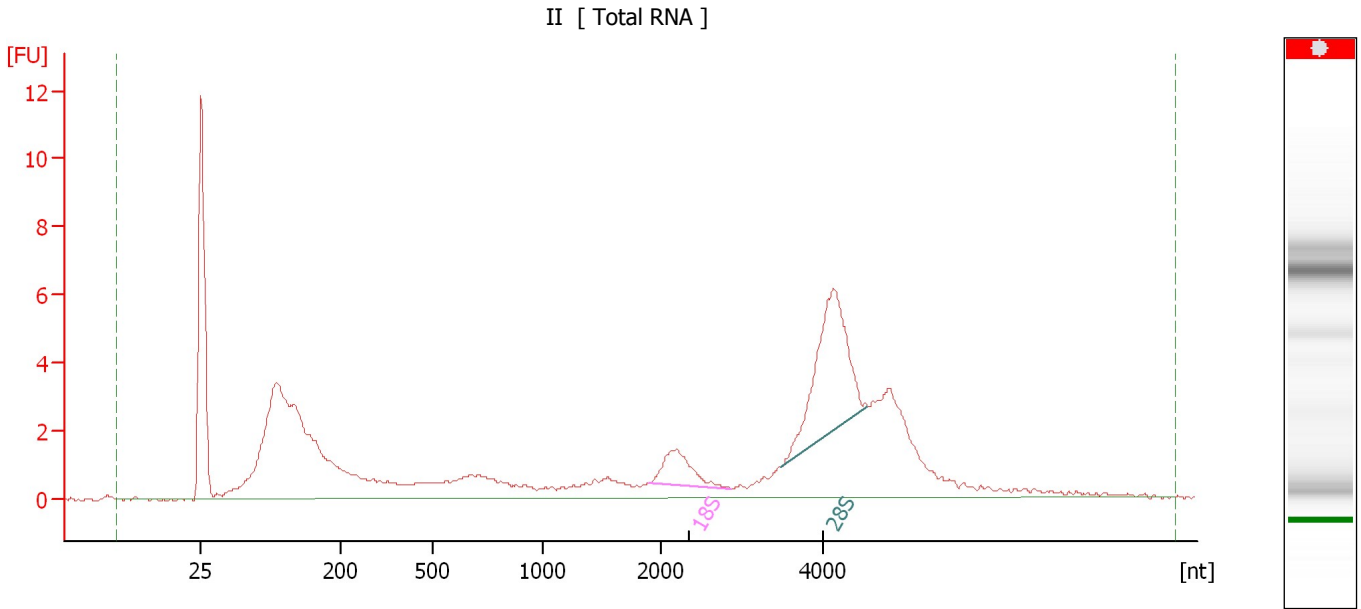
Fragment table for sample 1 : I

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,804	2,838	4.5	3.9
28S	3,422	4,511	16.5	14.2

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Electropherogram Summary Continued ...



Overall Results for sample 2 : II

RNA Area:	101.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	57 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.8	Result Flagging Label:	RIN N/A

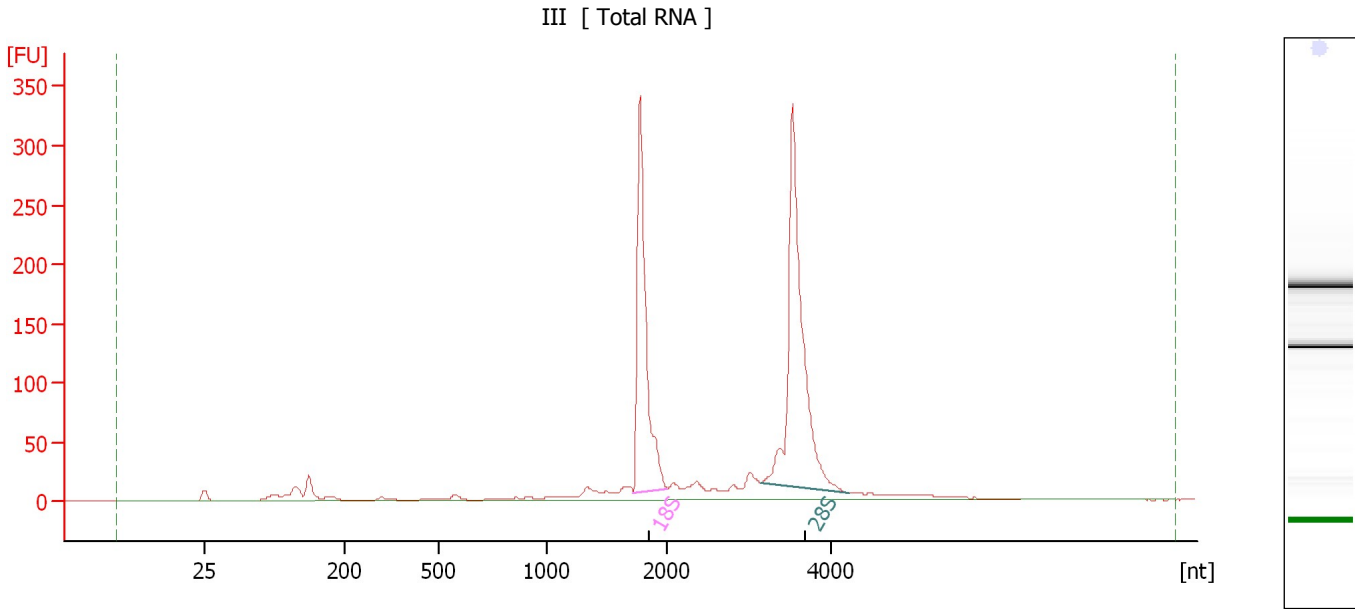
Fragment table for sample 2 : II

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,895	2,850	3.5	3.5
28S	3,484	4,542	13.5	13.4

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Electropherogram Summary Continued ...



Overall Results for sample 3 : III

RNA Area:	1,275.0	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	718 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.60

Fragment table for sample 3 : III

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,712	1,996	350.5	27.5
28S	3,150	4,227	467.3	36.7

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