

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-27\2017-06-27_005.xad

Created: 6/27/2017 3:09:51 PM
Modified: 6/27/2017 3:34:02 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 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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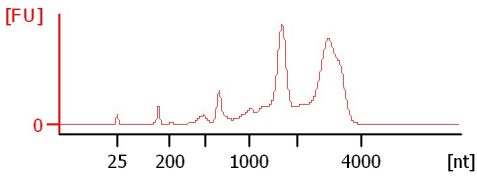
Chip Information:

Chip Lot #:

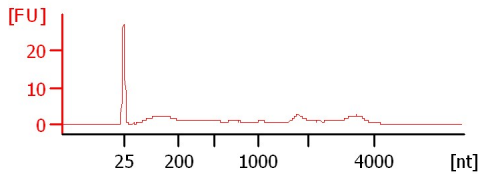
Reagent Kit Lot #:

Chip Comments:

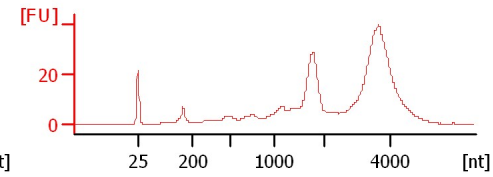
Sample 1
RIN N/A



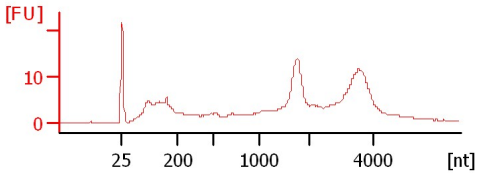
Sample 2
RIN: 4.40



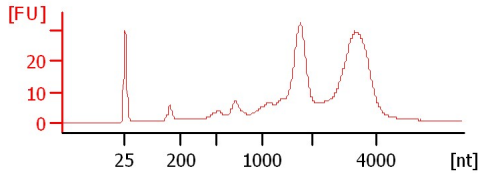
Sample 3
RIN: 9



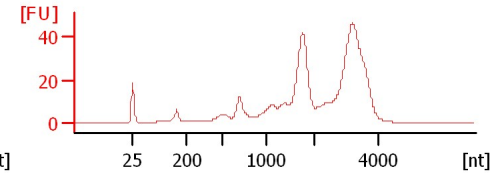
Sample 4
RIN: 8.20



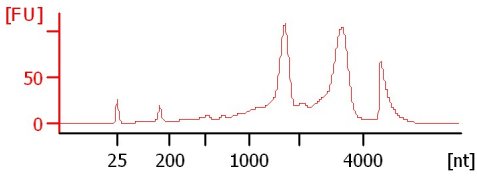
Sample 5
RIN: 8.90



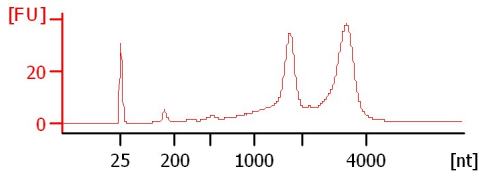
Sample 6
RIN N/A



Sample 7
RIN: 8.70



Sample 8
RIN: 9.80



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN N/A	
Sample 2		✓	RIN: 4.40	
Sample 3		✓	RIN:9	
Sample 4		✓	RIN: 8.20	
Sample 5		✓	RIN: 8.90	
Sample 6		✓	RIN N/A	
Sample 7		✓	RIN: 8.70	
Sample 8		✓	RIN: 9.80	
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

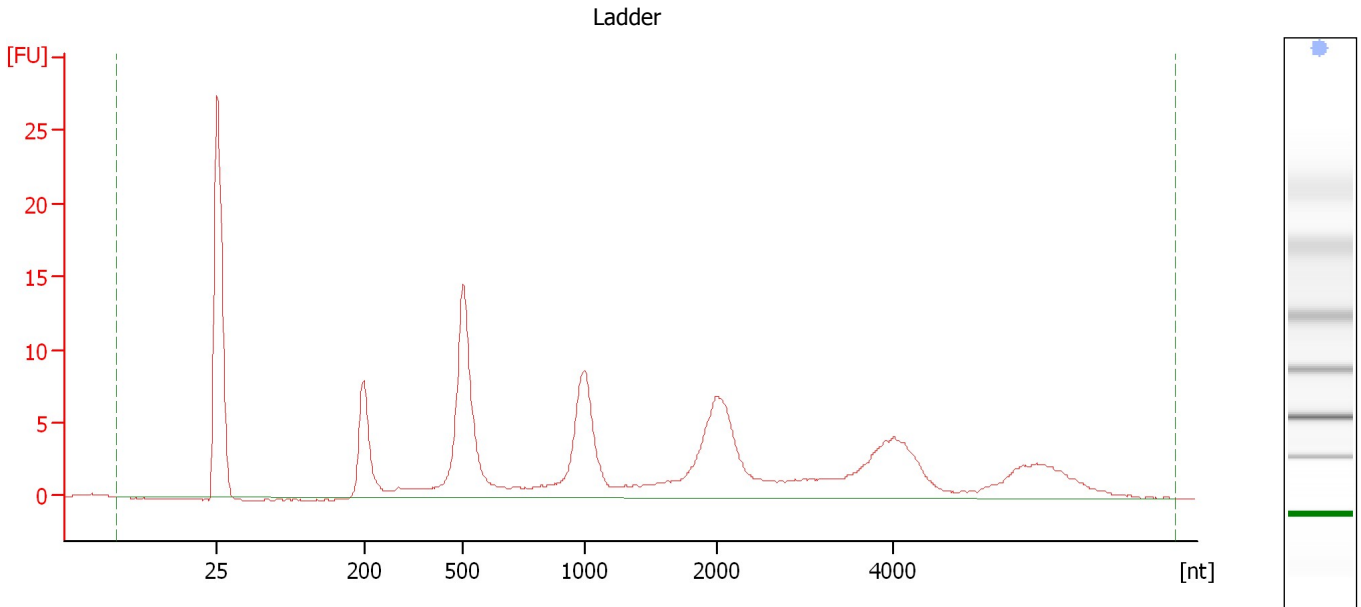
Reagent Kit Lot #

Chip Comments :

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Electropherogram Summary



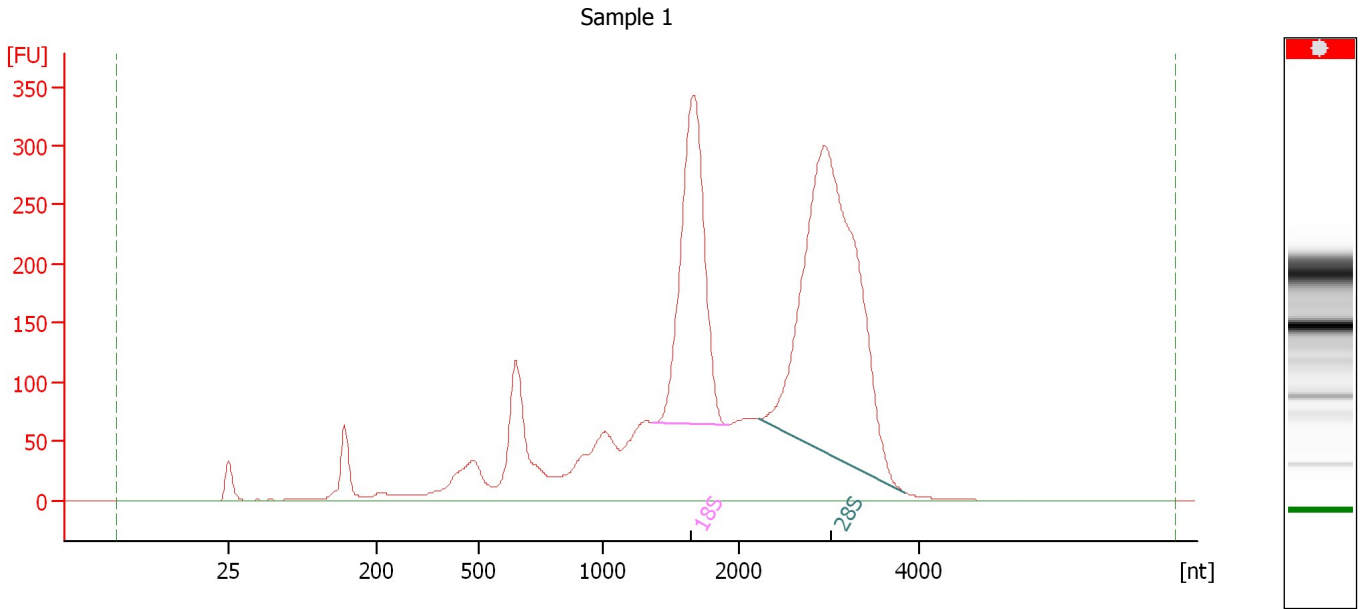
Overall Results for Ladder

RNA Area:	160.4	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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 Modified: 6/27/2017 3:34:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

RNA Area:	4,553.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	28,393 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN N/A

Fragment table for sample 1 : Sample 1

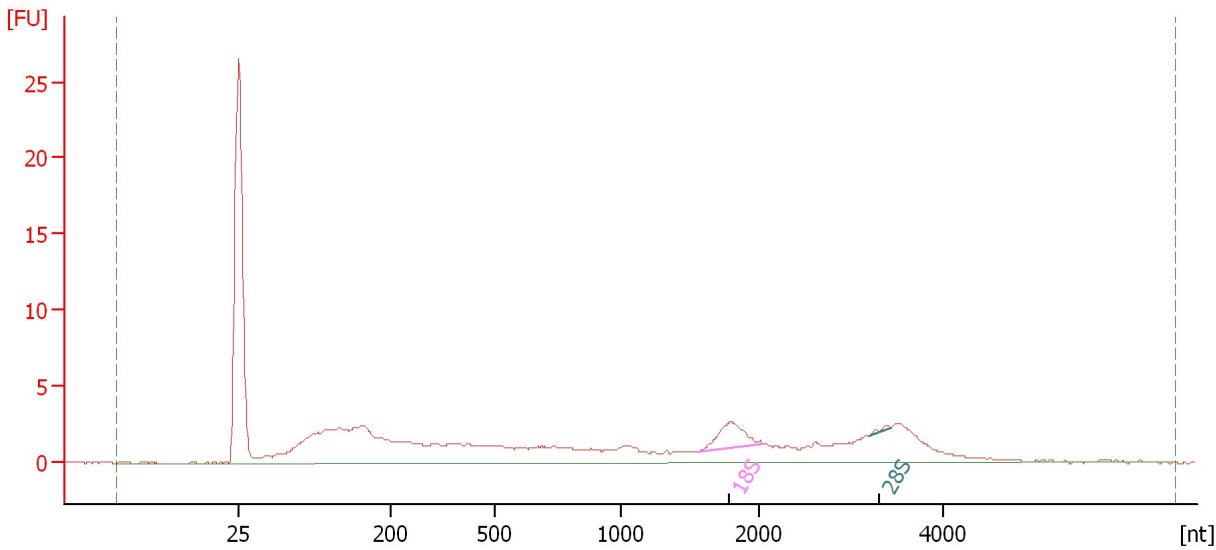
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,375	1,924	765.1	16.8
28S	2,217	3,856	1,464.8	32.2

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Electropherogram Summary Continued ...

Sample 2



Overall Results for sample 2 : Sample 2

RNA Area: 106.4 RNA Integrity Number (RIN): 4.4 (B.02.08)
RNA Concentration: 663 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN: 4.40

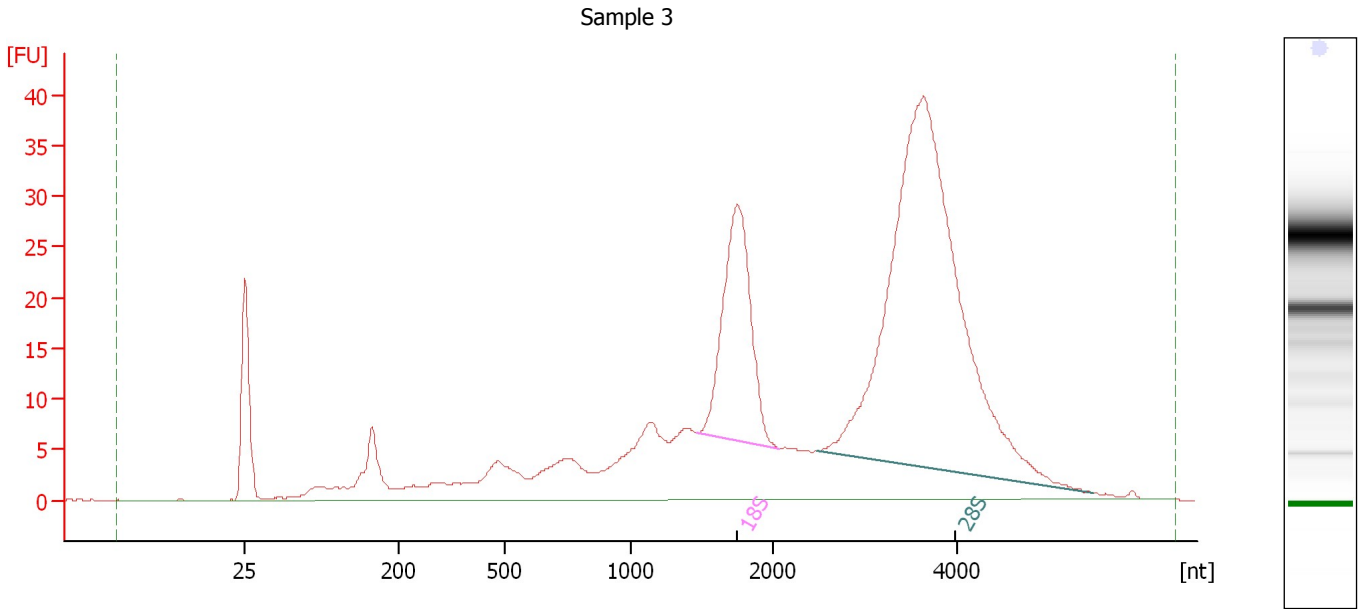
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,551	2,042	5.1	4.8
28S	3,183	3,431	0.3	0.2

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 Modified: 6/27/2017 3:34:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	583.8	RNA Integrity Number (RIN):	9 (B.02.08)
RNA Concentration:	3,640 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.3	Result Flagging Label:	RIN:9

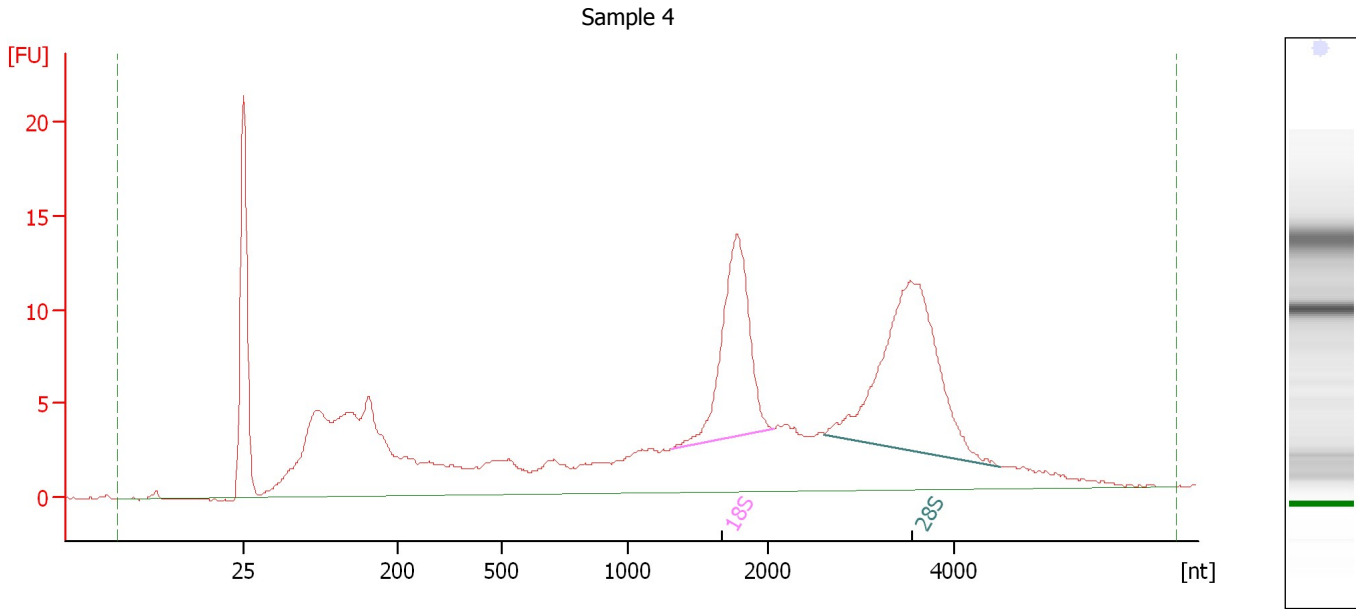
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,467	2,067	72.3	12.4
28S	2,493	5,449	238.7	40.9

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Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area:	283.9	RNA Integrity Number (RIN):	8.2 (B.02.08)
RNA Concentration:	1,770 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.20

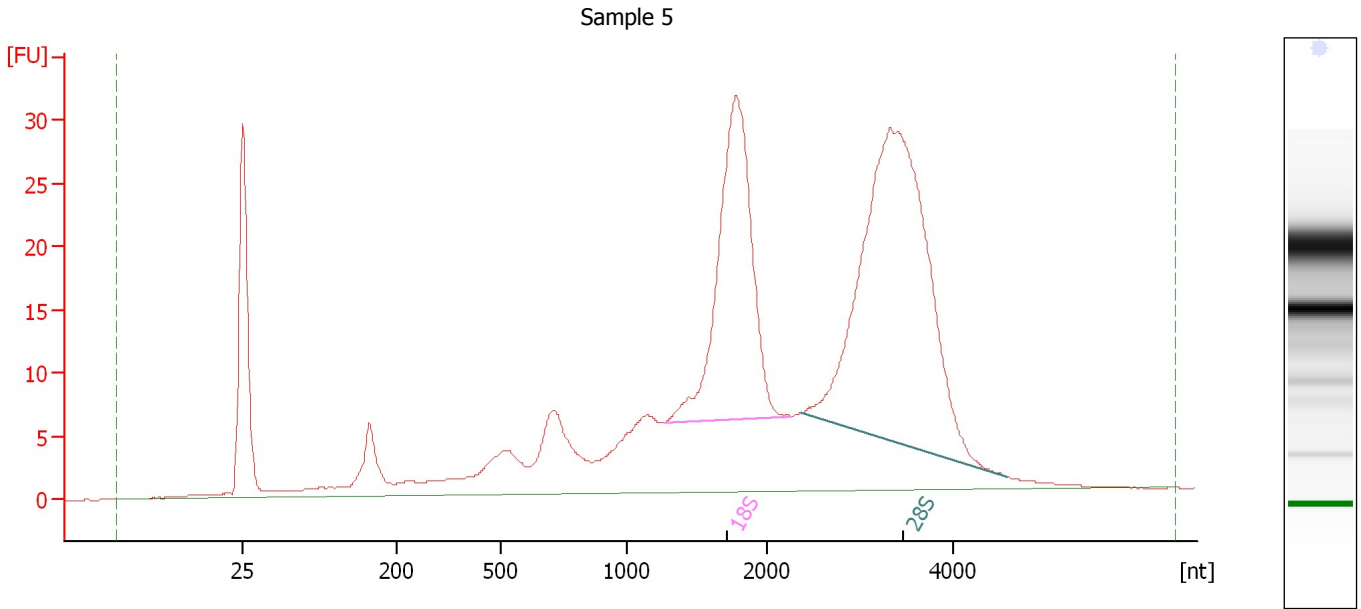
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,312	2,055	32.6	11.5
28S	2,598	4,503	49.2	17.3

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Modified: 6/27/2017 3:34:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area:	524.9	RNA Integrity Number (RIN):	8.9 (B.02.08)
RNA Concentration:	3,273 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.90

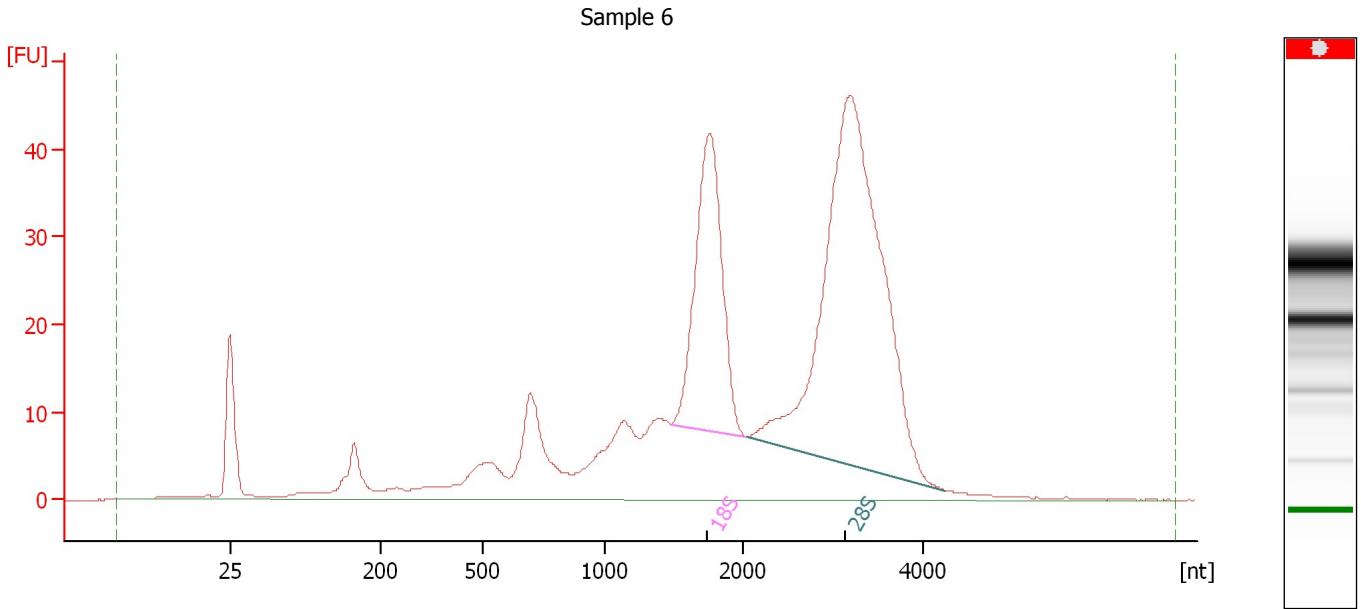
Fragment table for sample 5 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,266	2,251	96.1	18.3
28S	2,367	4,584	163.2	31.1

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Created: 6/27/2017 3:09:51 PM
Modified: 6/27/2017 3:34:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6

RNA Area:	666.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	4,157 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.4	Result Flagging Label:	RIN N/A

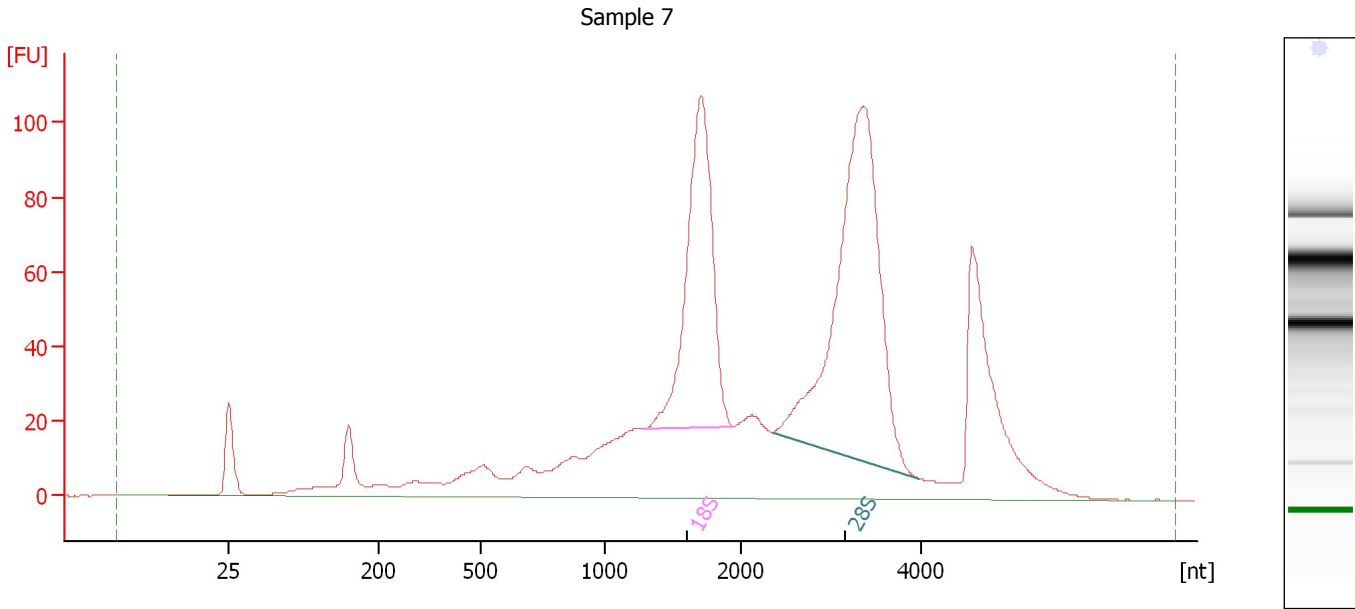
Fragment table for sample 6 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,480	2,028	103.4	15.5
28S	2,052	4,240	243.1	36.5

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Created: 6/27/2017 3:09:51 PM
Modified: 6/27/2017 3:34:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area: 1,572.3 RNA Integrity Number (RIN): 8.7 (B.02.08)
RNA Concentration: 9,804 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 8.70

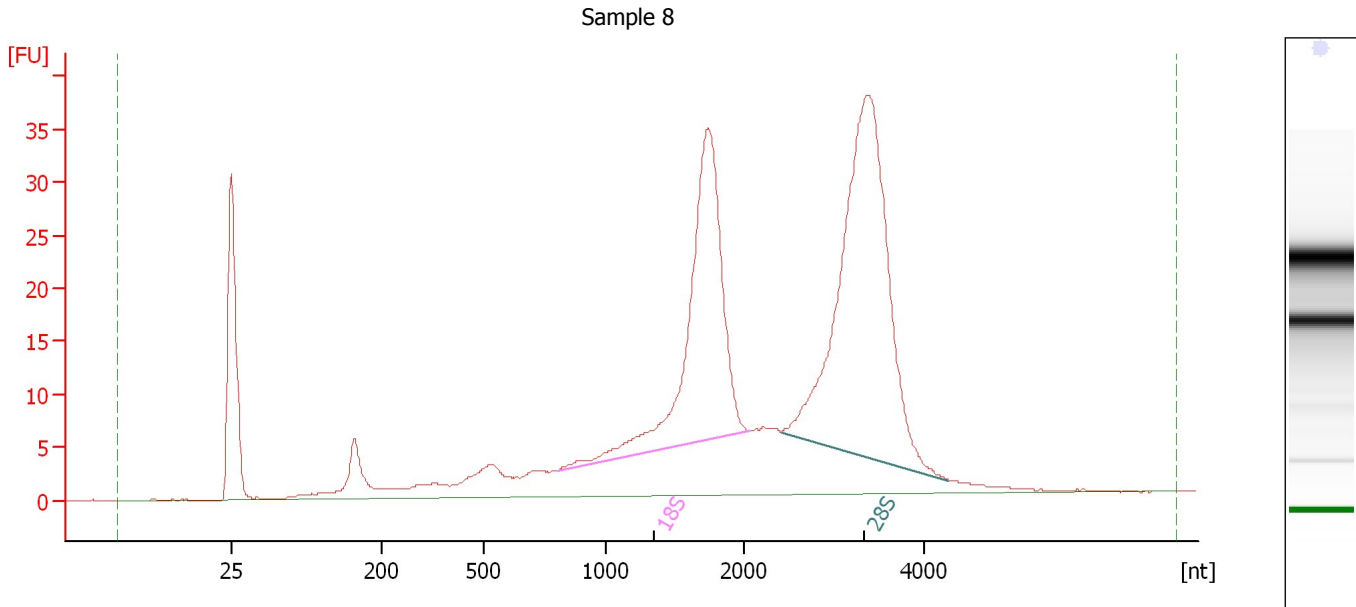
Fragment table for sample 7 : Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,291	1,948	262.6	16.7
28S	2,359	3,983	408.7	26.0

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Created: 6/27/2017 3:09:51 PM
Modified: 6/27/2017 3:34:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area: 489.2 RNA Integrity Number (RIN): 9.8 (B.02.08)
RNA Concentration: 3,051 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 9.80

Fragment table for sample 8 : Sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	803	2,075	113.0	23.1
28S	2,418	4,263	160.8	32.9

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Invalid Samples

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.