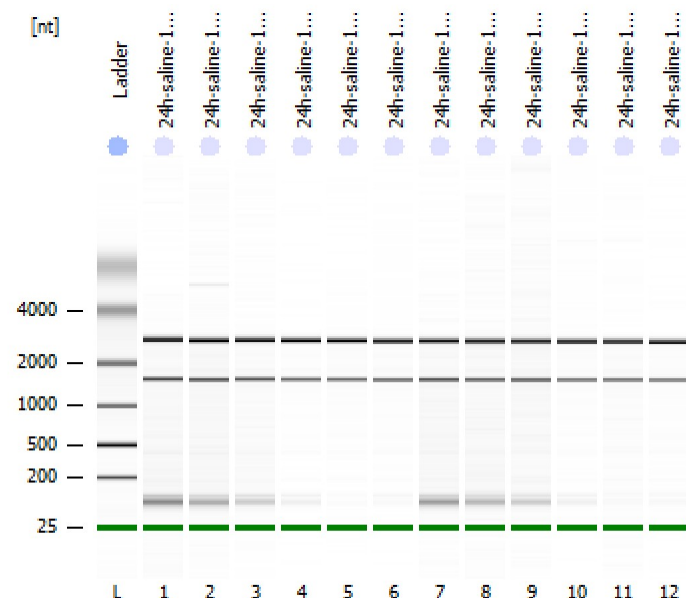


Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DEDAE01437_2020-11-04_16-36-59.xad

Created: 11/4/2020 4:36:58 PM
Modified: 11/5/2020 10:32:02 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DEDAE01437
Serial#: DEDAE01437

Firmware: C.01.069
Type: G2939B

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Prokaryote Total RNA Nano Series II.xsy

Assay Class: Prokaryote Total RNA Nano

Version: 2.5

Assay Comments: Total RNA Analysis ng sensitivity (Prokaryote)

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Chip Information:

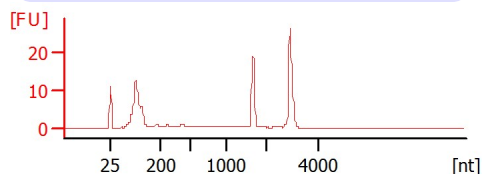
Chip Lot #: YC26BK20

Reagent Kit Lot #: 2006

Chip Comments:

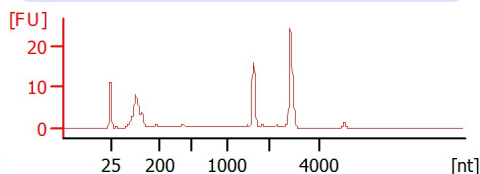
24h-saline-145-glu-1

RIN: 8.70



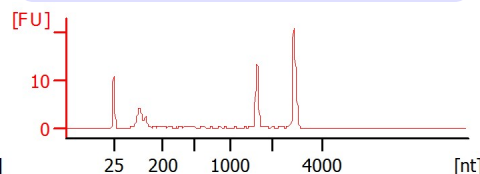
24h-saline-145-glu-2

RIN: 8.60



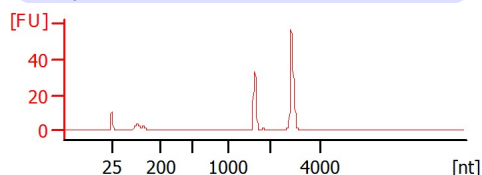
24h-saline-145-glu-3

RIN: 9.10



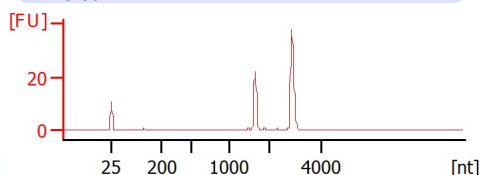
24h-saline-145-glu-cys-4

RIN: 10



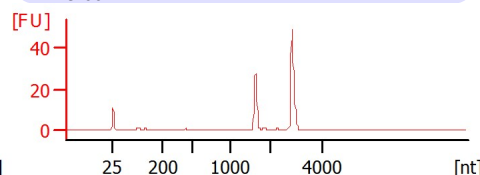
24h-saline-145-glu-cys-5

RIN: 9.80



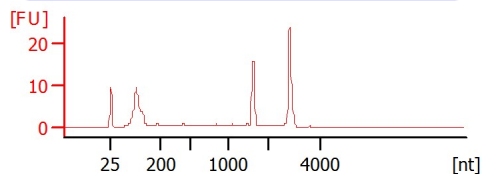
24h-saline-145-glu-cys-6

RIN: 9.60



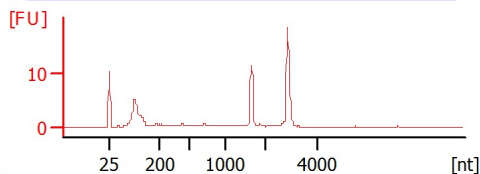
24h-saline-145-glu-1

RIN: 8.50



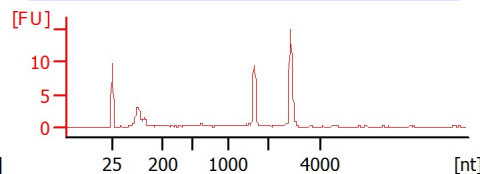
24h-saline-145-glu-2

RIN: 8.60



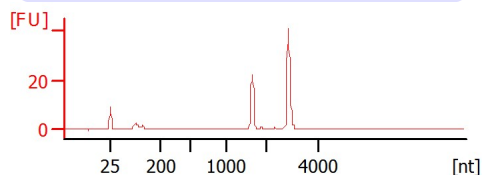
24h-saline-145-glu-3

RIN: 8.70



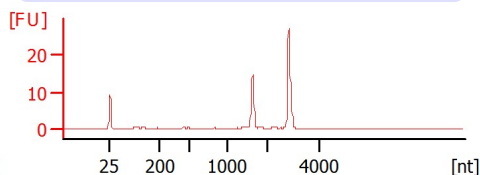
24h-saline-145-glu-cys-4

RIN: 9.70



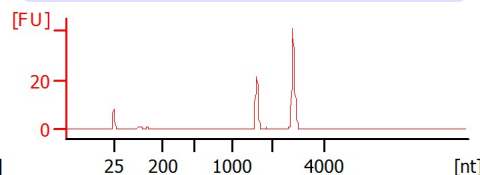
24h-saline-145-glu-cys-5

RIN: 9.40



24h-saline-145-glu-cys-6

RIN: 9.60



Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DEDAE01437_2020-11-04_16-36-59.xad

Created: 11/4/2020 4:36:58 PM
Modified: 11/5/2020 10:32:02 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
24h-saline-145-glu-1		✓	RIN: 8.70	
24h-saline-145-glu-2		✓	RIN: 8.60	
24h-saline-145-glu-3		✓	RIN: 9.10	
24h-saline-145-glu-cys-4		✓	RIN:10	
24h-saline-145-glu-cys-5		✓	RIN: 9.80	
24h-saline-145-glu-cys-6		✓	RIN: 9.60	
24h-saline-145-glu-1		✓	RIN: 8.50	
24h-saline-145-glu-2		✓	RIN: 8.60	
24h-saline-145-glu-3		✓	RIN: 8.70	
24h-saline-145-glu-cys-4		✓	RIN: 9.70	
24h-saline-145-glu-cys-5		✓	RIN: 9.40	
24h-saline-145-glu-cys-6		✓	RIN: 9.60	
Ladder		✓	All Other Samples	

Chip Lot #

YC26BK20

Reagent Kit Lot #

2006

Chip Comments :

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DEDAE01437_2020-11-04_16-36-59.xad

Created: 11/4/2020 4:36:58 PM
Modified: 11/5/2020 10:32:02 AM

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

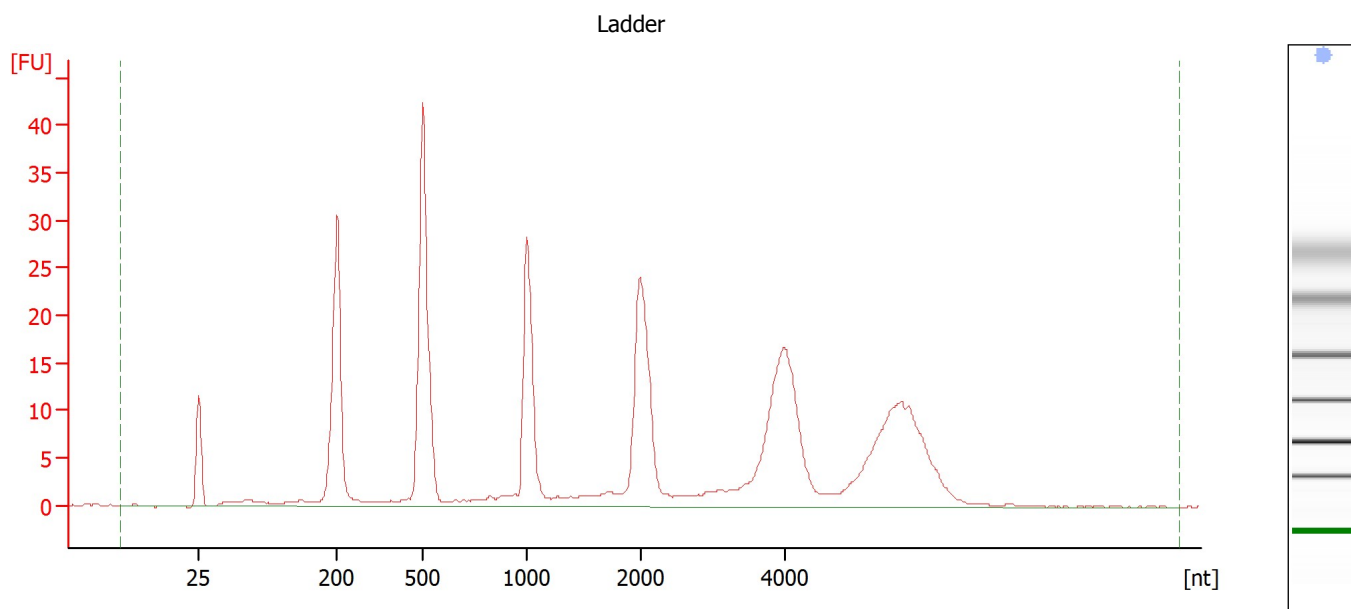
Ladder

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

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DEDAE01437_2020-11-04_16-36-59.xad

Created: 11/4/2020 4:36:58 PM
Modified: 11/5/2020 10:32:02 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 348.4

Result Flagging Color:



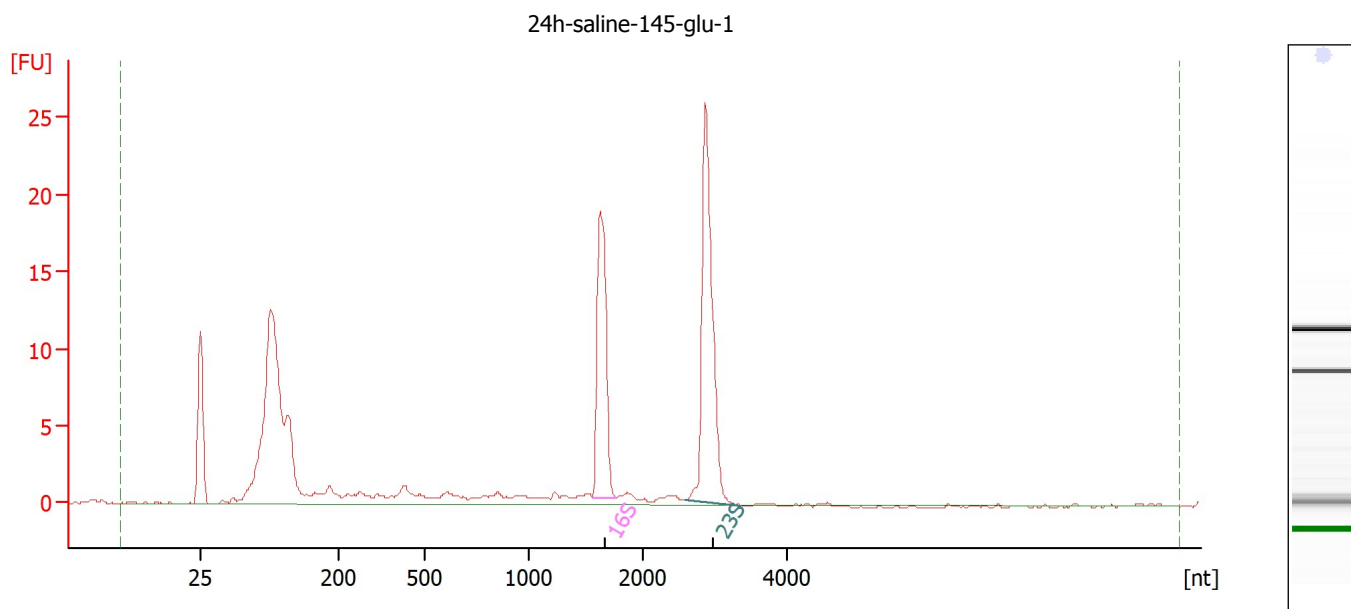
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DEDAE01437_2020-11-04_16-36-59.xad

Created: 11/4/2020 4:36:58 PM
Modified: 11/5/2020 10:32:02 AM

Electropherogram Summary Continued ...**Overall Results for sample 1 : 24h-saline-145-glu-1**

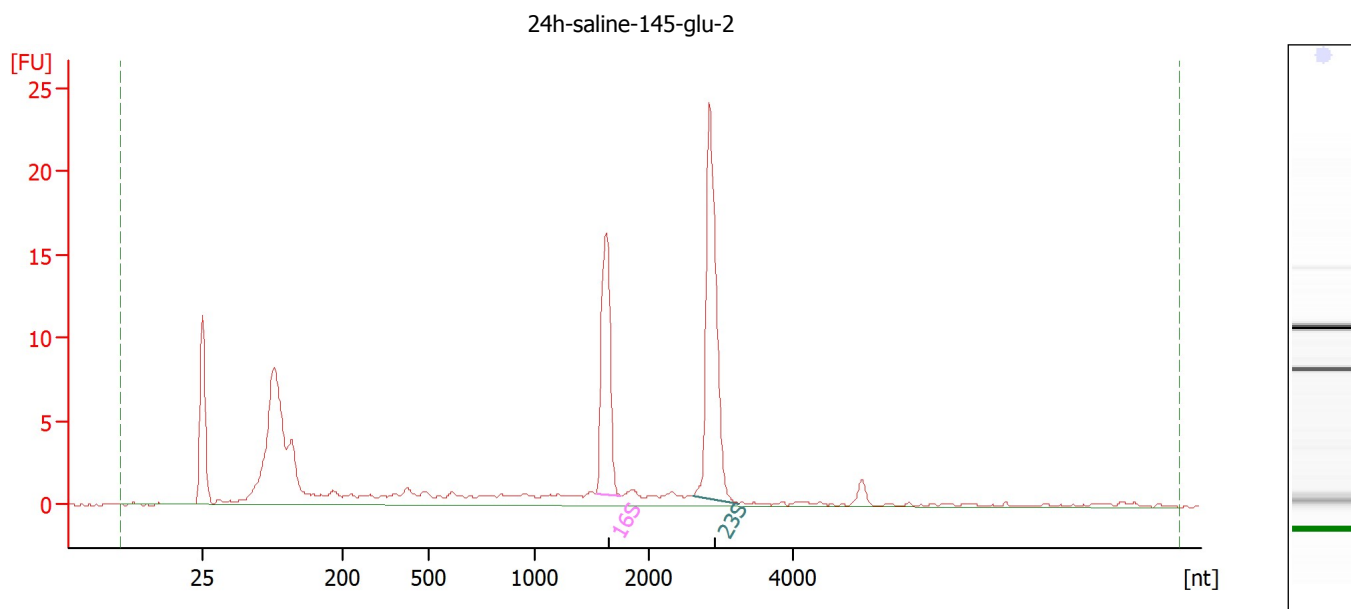
RNA Area:	131.9	RNA Integrity Number (RIN):	8.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	57 ng/μl		
rRNA Ratio [23s / 16s]:	1.5	Result Flagging Color:	<div style="background-color: #d1c4e9; width: 20px; height: 10px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 8.70

Fragment table for sample 1 : 24h-saline-145-glu-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,558	1,784	21.0	15.9
23S	2,592	3,376	30.9	23.4

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DEDAE01437_2020-11-04_16-36-59.xad

Created: 11/4/2020 4:36:58 PM
Modified: 11/5/2020 10:32:02 AM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 24h-saline-145-glu-2**

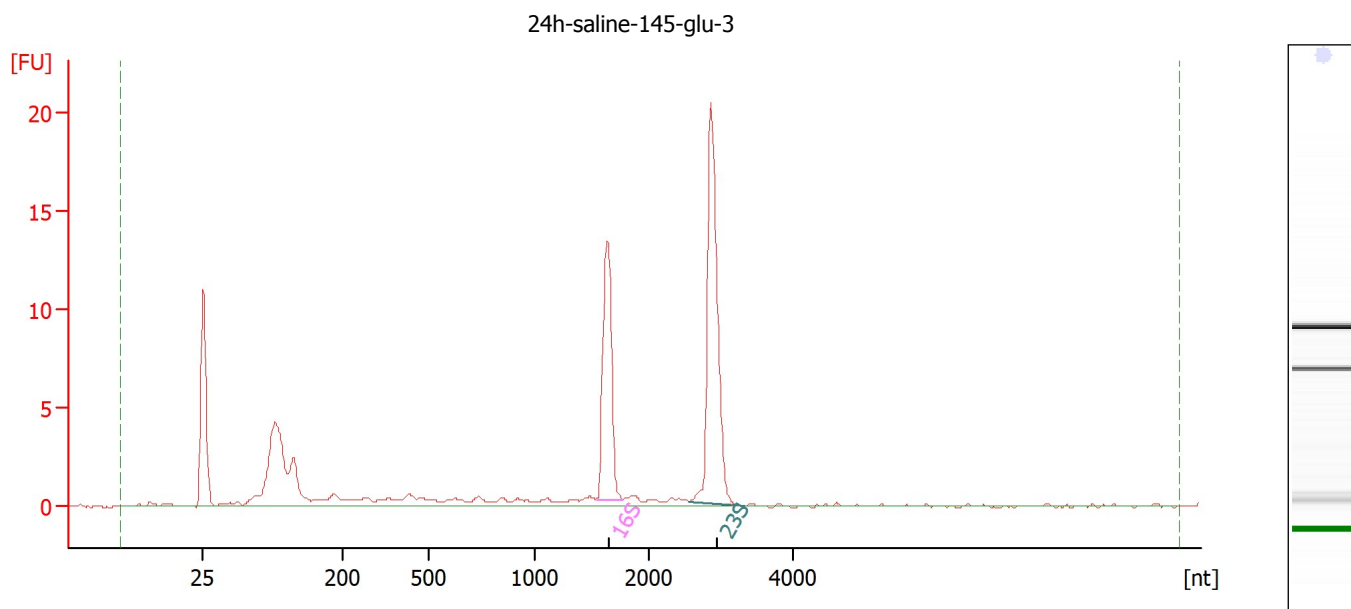
RNA Area:	114.8	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	49 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [23s / 16s]:	1.5	Result Flagging Label:	RIN: 8.60

Fragment table for sample 2 : 24h-saline-145-glu-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,545	1,760	17.8	15.5
23S	2,608	3,240	27.0	23.5

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DEDAE01437_2020-11-04_16-36-59.xad

Created: 11/4/2020 4:36:58 PM
Modified: 11/5/2020 10:32:02 AM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 24h-saline-145-glu-3**

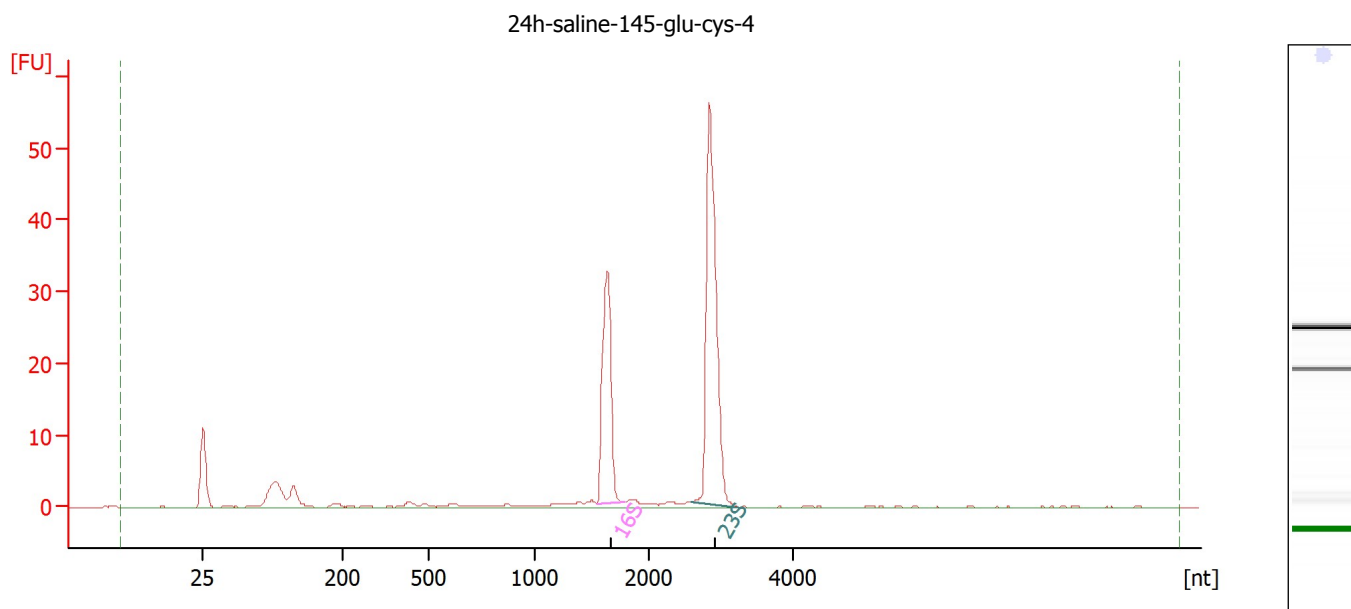
RNA Area:	73.9	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	32 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [23s / 16s]:	1.5	Result Flagging Label:	RIN: 9.10

Fragment table for sample 3 : 24h-saline-145-glu-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,545	1,779	14.8	20.0
23S	2,564	3,328	22.4	30.3

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DEDAE01437_2020-11-04_16-36-59.xad

Created: 11/4/2020 4:36:58 PM
Modified: 11/5/2020 10:32:02 AM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 24h-saline-145-glu-cys-4**

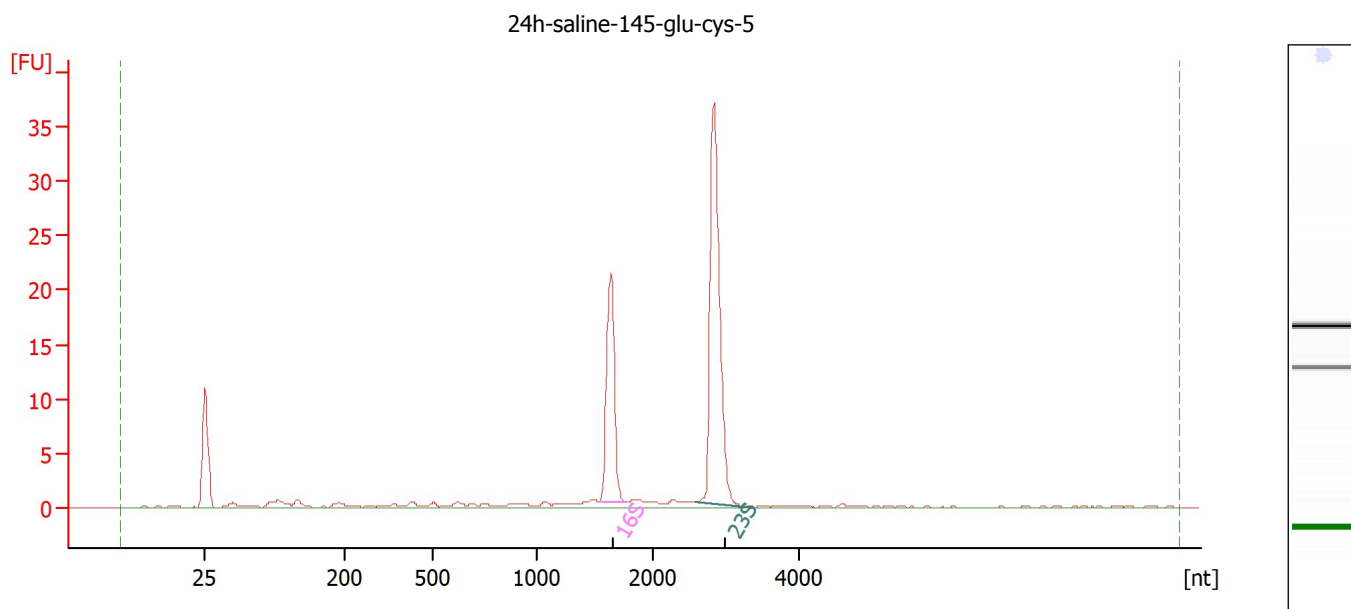
RNA Area: 137.3 RNA Integrity Number (RIN): 10 (B.02.10)
RNA Concentration: 59 ng/μl Result Flagging Color:
rRNA Ratio [23s / 16s]: 1.7 Result Flagging Label: RIN:10

Fragment table for sample 4 : 24h-saline-145-glu-cys-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,555	1,788	35.5	25.9
23S	2,579	3,269	61.3	44.7

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DEDAE01437_2020-11-04_16-36-59.xad

Created: 11/4/2020 4:36:58 PM
Modified: 11/5/2020 10:32:02 AM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 24h-saline-145-glu-cys-5**

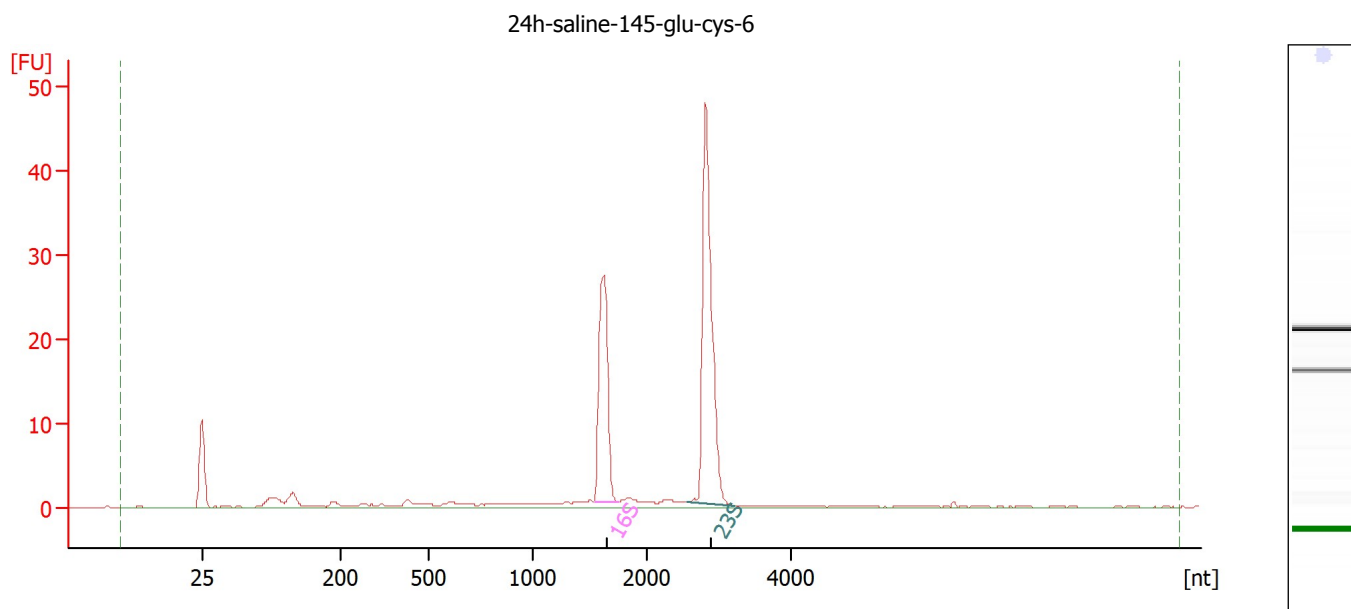
RNA Area:	84.3	RNA Integrity Number (RIN):	9.8 (B.02.10)
RNA Concentration:	36 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [23s / 16s]:	1.7	Result Flagging Label:	RIN: 9.80

Fragment table for sample 5 : 24h-saline-145-glu-cys-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,549	1,782	22.5	26.7
23S	2,594	3,398	39.3	46.6

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DEDAE01437_2020-11-04_16-36-59.xad

Created: 11/4/2020 4:36:58 PM
Modified: 11/5/2020 10:32:02 AM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 24h-saline-145-glu-cys-6**

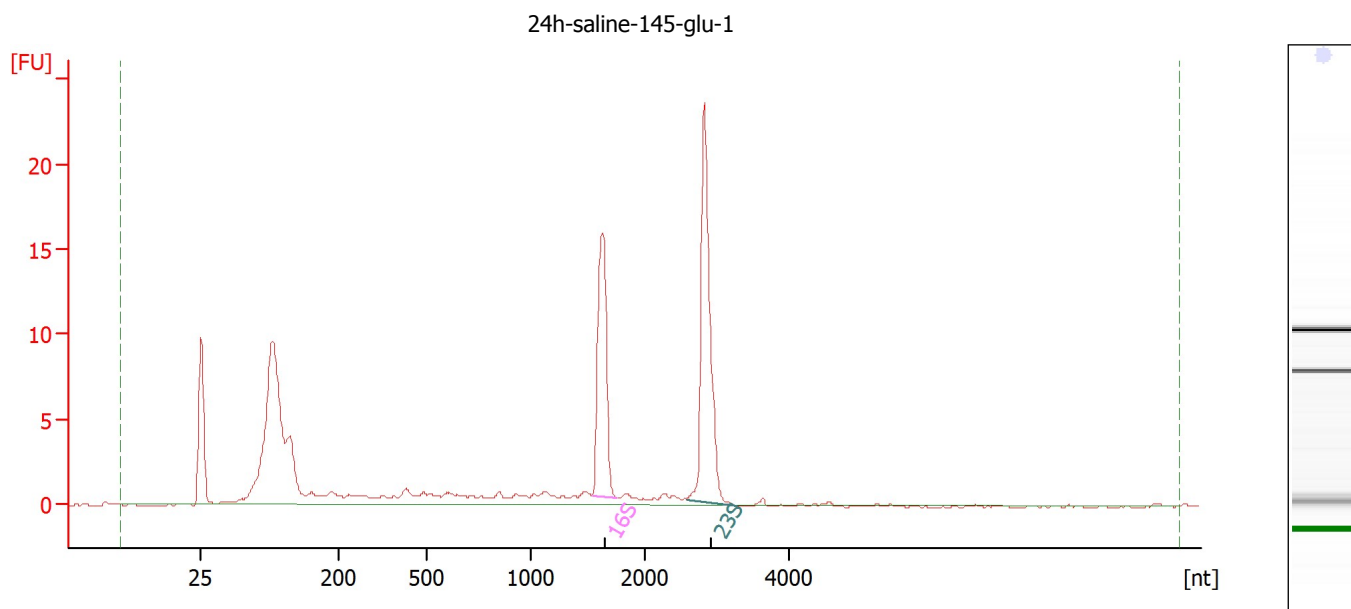
RNA Area:	120.5	RNA Integrity Number (RIN):	9.6 (B.02.10)
RNA Concentration:	52 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [23s / 16s]:	1.7	Result Flagging Label:	RIN: 9.60

Fragment table for sample 6 : 24h-saline-145-glu-cys-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,543	1,759	29.8	24.7
23S	2,564	3,226	50.5	41.9

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DEDAE01437_2020-11-04_16-36-59.xad

Created: 11/4/2020 4:36:58 PM
Modified: 11/5/2020 10:32:02 AM

Electropherogram Summary Continued ...**Overall Results for sample 7 : 24h-saline-145-glu-1**

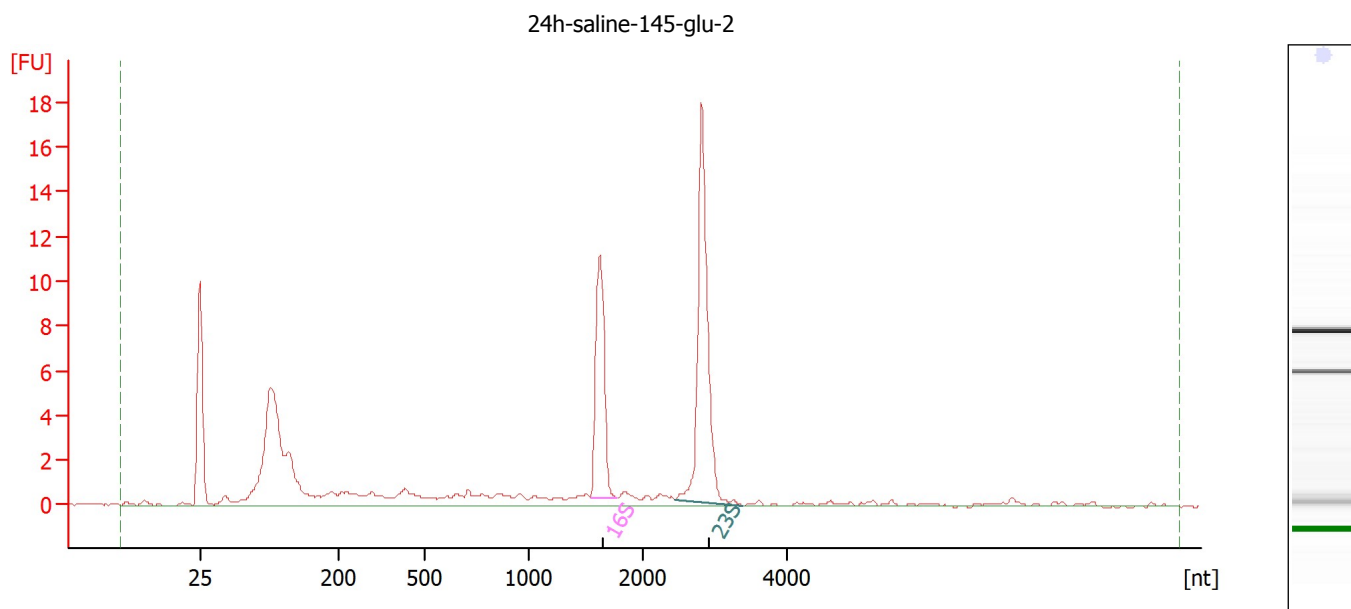
RNA Area:	108.0	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	46 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [23s / 16s]:	1.4	Result Flagging Label:	RIN: 8.50

Fragment table for sample 7 : 24h-saline-145-glu-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,541	1,767	17.0	15.7
23S	2,578	3,271	24.6	22.8

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DEDAE01437_2020-11-04_16-36-59.xad

Created: 11/4/2020 4:36:58 PM
Modified: 11/5/2020 10:32:02 AM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 24h-saline-145-glu-2**

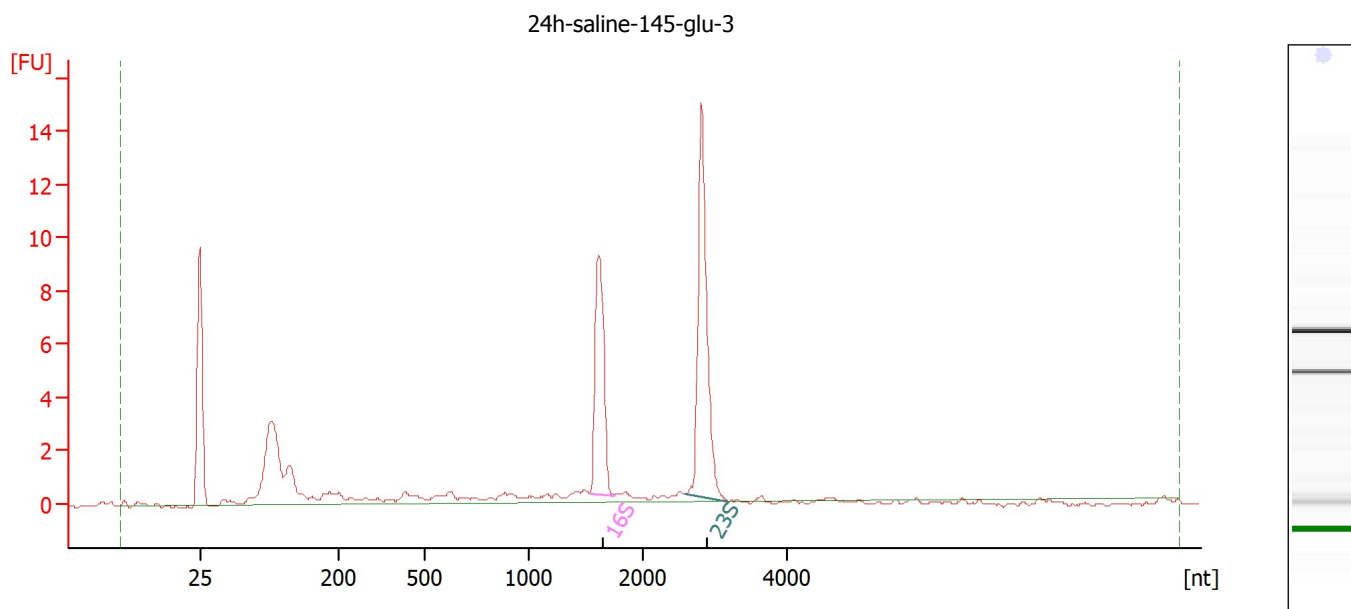
RNA Area:	80.0	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	34 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [23s / 16s]:	1.7	Result Flagging Label:	RIN: 8.60

Fragment table for sample 8 : 24h-saline-145-glu-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,539	1,784	11.9	14.9
23S	2,459	3,391	19.9	24.9

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DEDAE01437_2020-11-04_16-36-59.xad

Created: 11/4/2020 4:36:58 PM
Modified: 11/5/2020 10:32:02 AM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 24h-saline-145-glu-3**

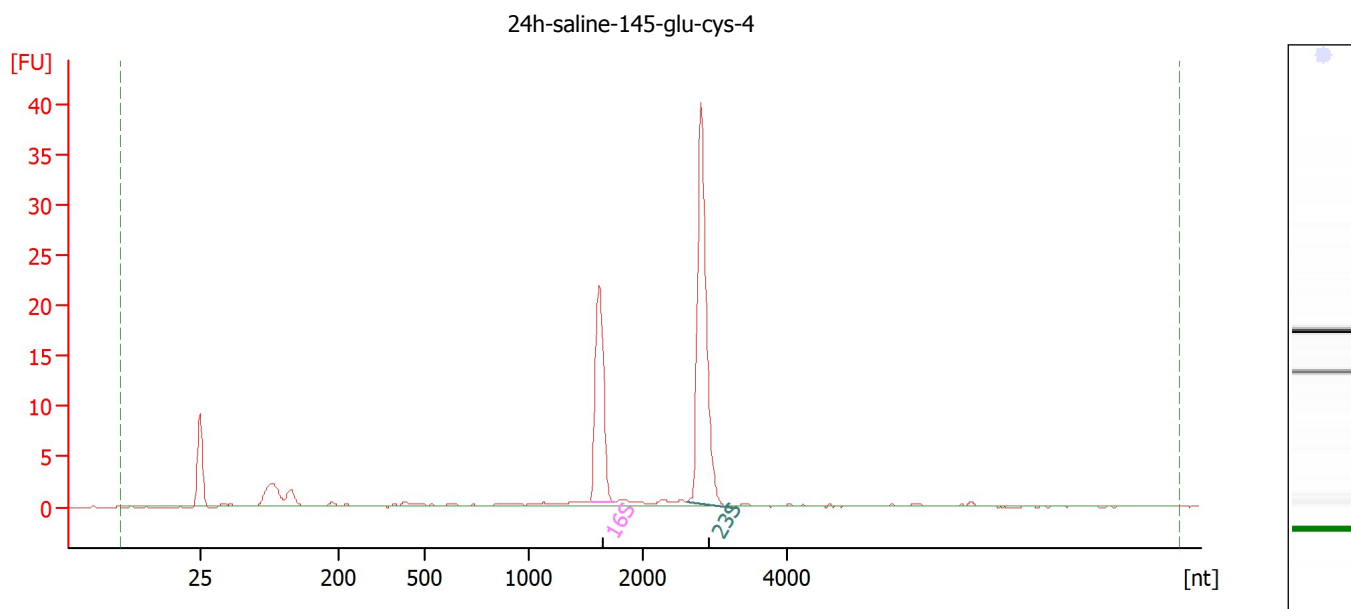
RNA Area: 50.7 RNA Integrity Number (RIN): 8.7 (B.02.10)
RNA Concentration: 22 ng/μl Result Flagging Color:
rRNA Ratio [23s / 16s]: 1.5 Result Flagging Label: RIN: 8.70

Fragment table for sample 9 : 24h-saline-145-glu-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,539	1,756	10.1	19.9
23S	2,592	3,199	15.1	29.7

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DEDAE01437_2020-11-04_16-36-59.xad

Created: 11/4/2020 4:36:58 PM
Modified: 11/5/2020 10:32:02 AM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 24h-saline-145-glu-cys-4**

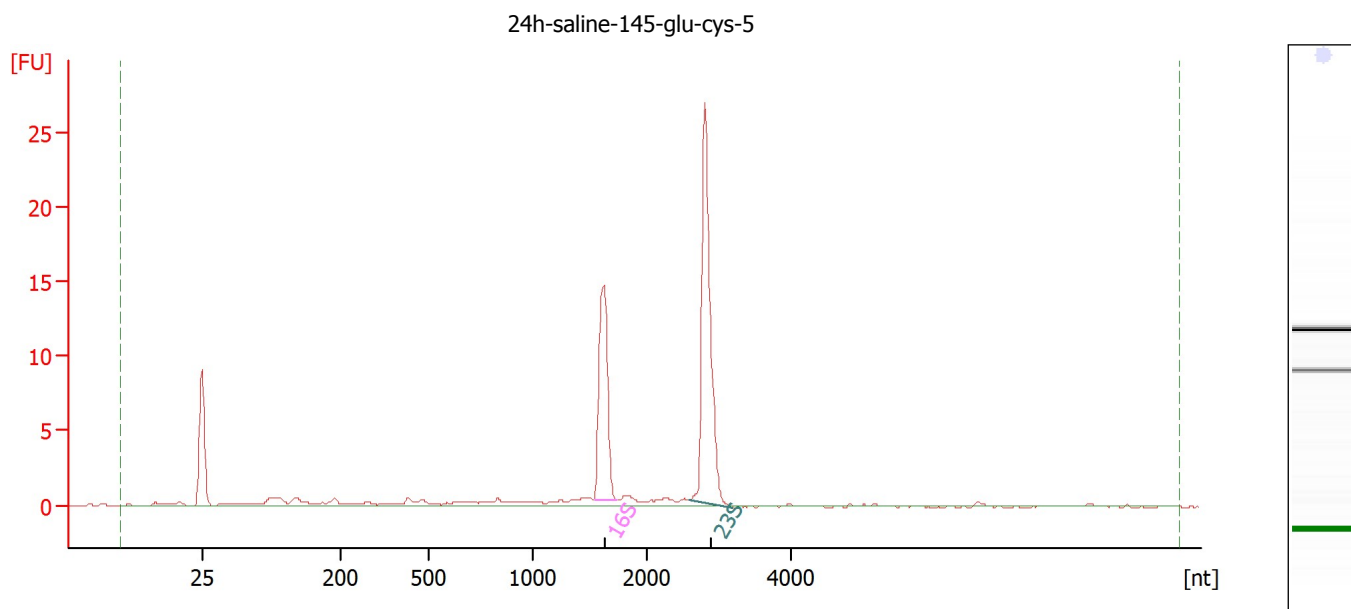
RNA Area:	88.6	RNA Integrity Number (RIN):	9.7 (B.02.10)
RNA Concentration:	38 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [23s / 16s]:	1.8	Result Flagging Label:	RIN: 9.70

Fragment table for sample 10 : 24h-saline-145-glu-cys-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,539	1,756	23.3	26.2
23S	2,607	3,243	40.9	46.2

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DEDAE01437_2020-11-04_16-36-59.xad

Created: 11/4/2020 4:36:58 PM
Modified: 11/5/2020 10:32:02 AM

Electropherogram Summary Continued ...**Overall Results for sample 11 : 24h-saline-145-glu-cys-5**

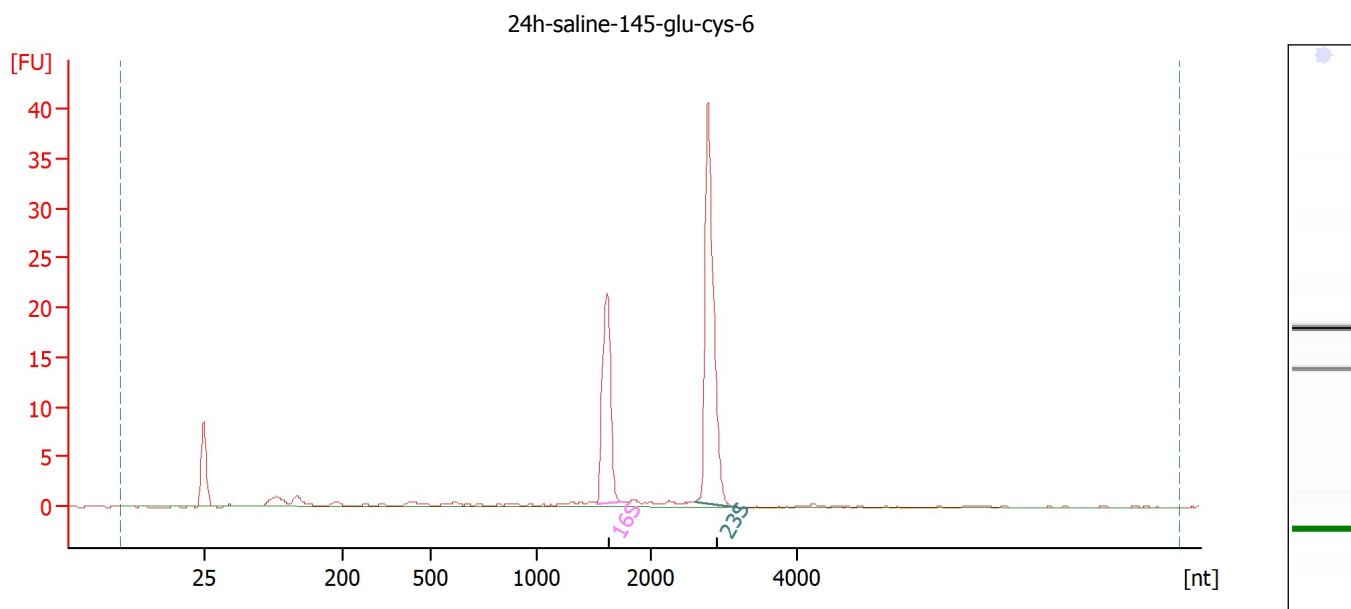
RNA Area:	61.6	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	27 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [23s / 16s]:	1.7	Result Flagging Label:	RIN: 9.40

Fragment table for sample 11 : 24h-saline-145-glu-cys-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,543	1,740	15.5	25.2
23S	2,578	3,197	26.8	43.5

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DEDAE01437_2020-11-04_16-36-59.xad

Created: 11/4/2020 4:36:58 PM
Modified: 11/5/2020 10:32:02 AM

Electropherogram Summary Continued ...**Overall Results for sample 12 : 24h-saline-145-glu-cys-6**

RNA Area:	79.3	RNA Integrity Number (RIN):	9.6 (B.02.10)
RNA Concentration:	34 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [23s / 16s]:	1.8	Result Flagging Label:	RIN: 9.60

Fragment table for sample 12 : 24h-saline-145-glu-cys-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,538	1,743	22.5	28.4
23S	2,608	3,239	39.6	50.0