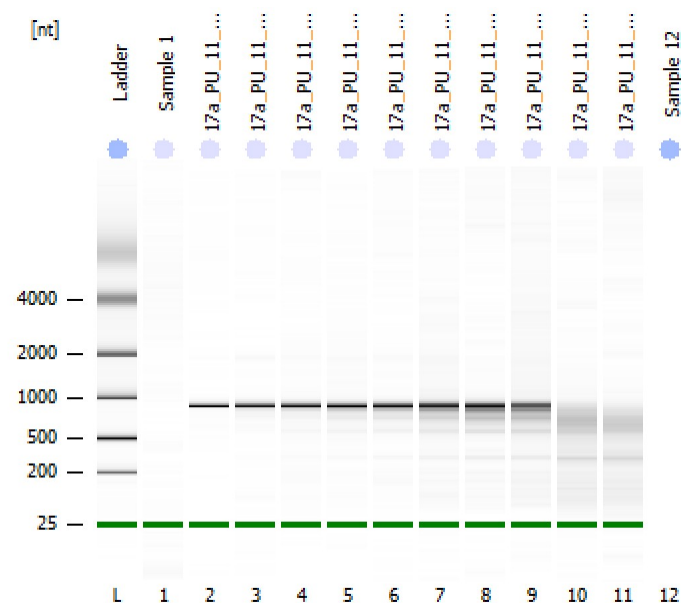


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-17-25.xad

Created: 12/10/2020 3:17:25 PM
Modified: 12/10/2020 4:02:39 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE72901420

Firmware: C.01.069

Serial#: DE72901420

Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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)

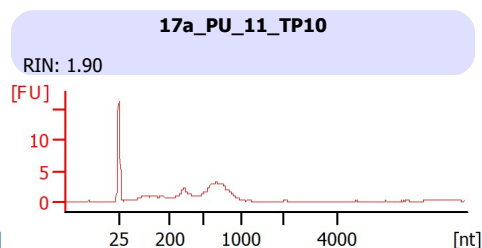
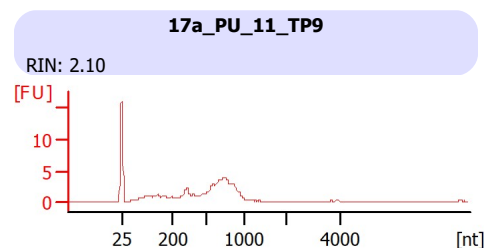
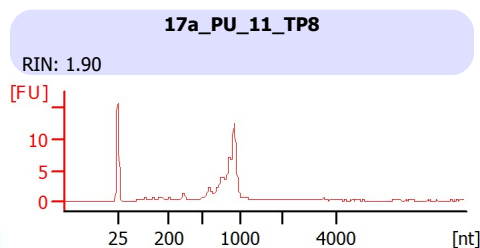
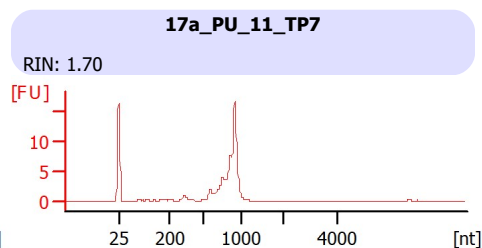
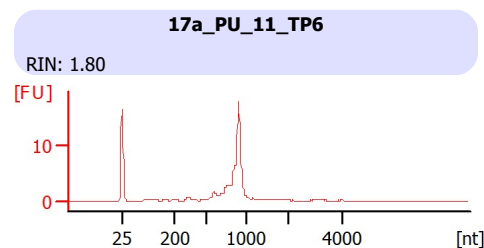
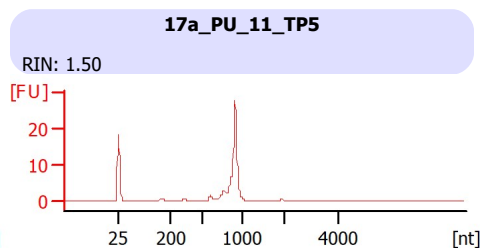
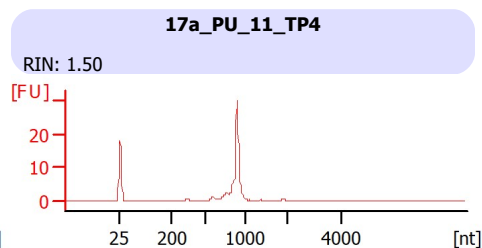
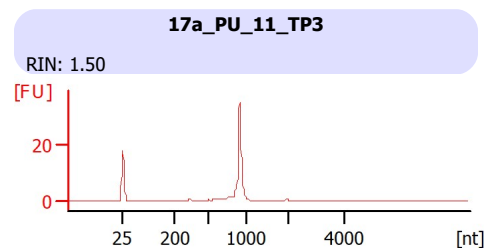
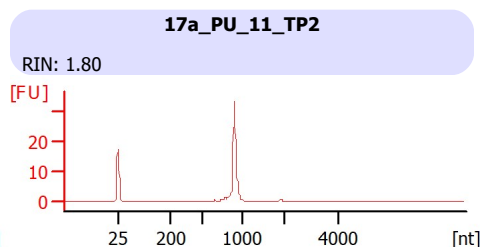
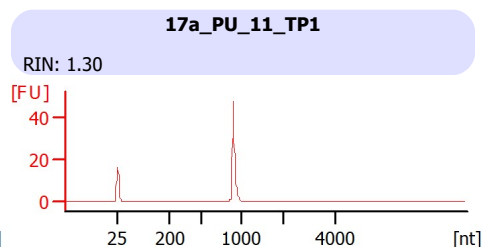
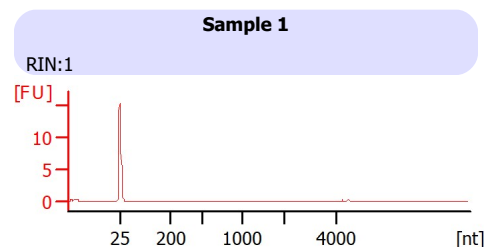
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-17-25.xad

Created: 12/10/2020 3:17:25 PM
Modified: 12/10/2020 4:02:39 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Sample 1		✓ RIN:1	
17a_PU_11_TP1		✓ RIN: 1.30	
17a_PU_11_TP2		✓ RIN: 1.80	
17a_PU_11_TP3		✓ RIN: 1.50	
17a_PU_11_TP4		✓ RIN: 1.50	
17a_PU_11_TP5		✓ RIN: 1.50	
17a_PU_11_TP6		✓ RIN: 1.80	
17a_PU_11_TP7		✓ RIN: 1.70	
17a_PU_11_TP8		✓ RIN: 1.90	
17a_PU_11_TP9		✓ RIN: 2.10	
17a_PU_11_TP10		✓ RIN: 1.90	
Sample 12		All Other Samples	
Ladder		✓ All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-17-25.xad

Created: 12/10/2020 3:17:25 PM
Modified: 12/10/2020 4:02:39 PM

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/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ μ l] : 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

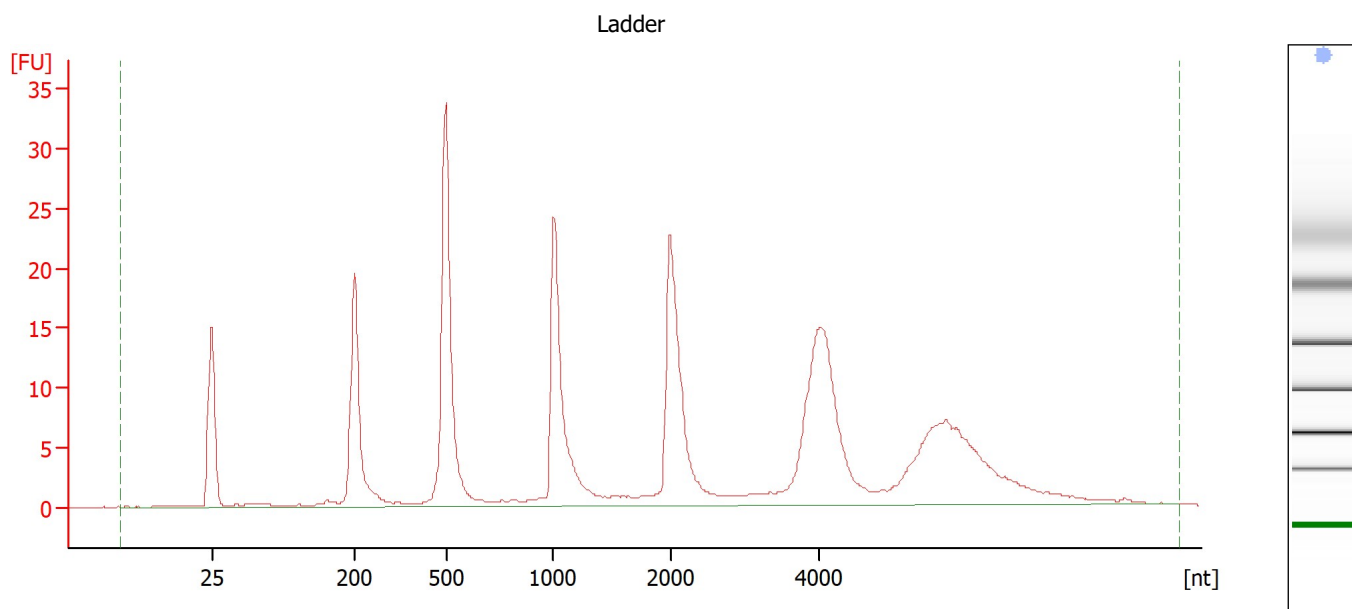
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-17-25.xad

Created: 12/10/2020 3:17:25 PM
Modified: 12/10/2020 4:02:39 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 276.9

Result Flagging Color:



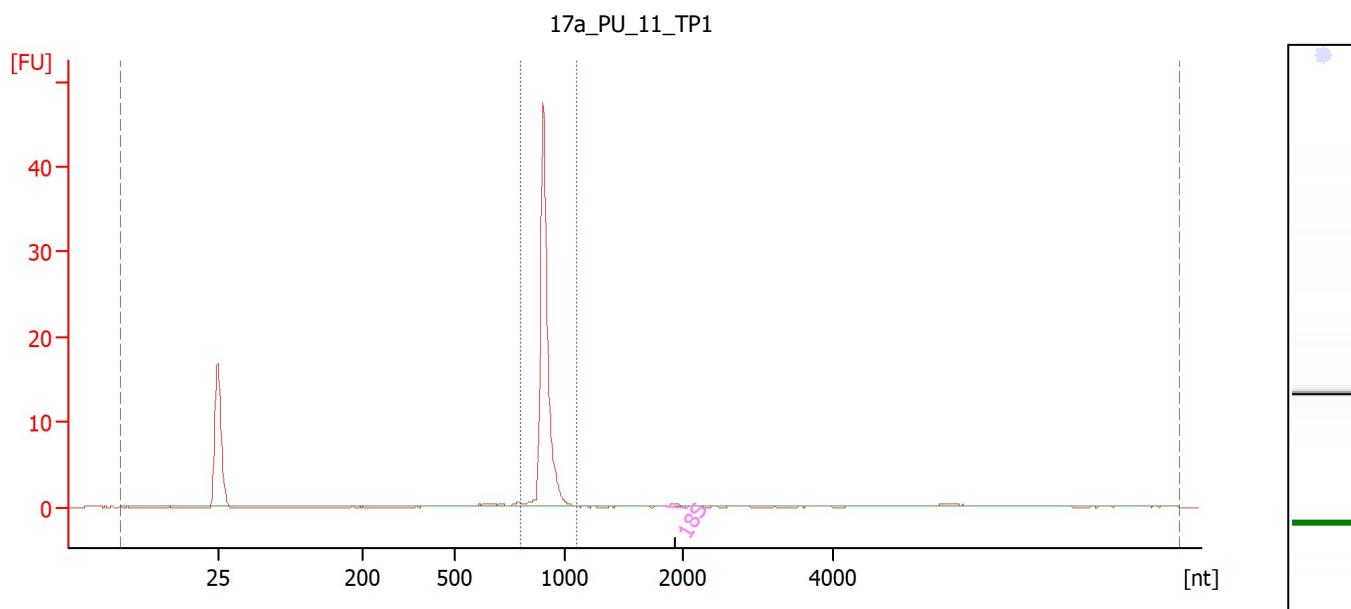
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-17-25.xad

Created: 12/10/2020 3:17:25 PM
 Modified: 12/10/2020 4:02:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 17a PU 11 TP1**

RNA Area:	53.8	Result Flagging Color:	
RNA Concentration:	29 ng/μl	Result Flagging Label:	RIN: 1.30
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	48.6
RNA Integrity Number (RIN):	1.3 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 2 : 17a PU 11 TP1

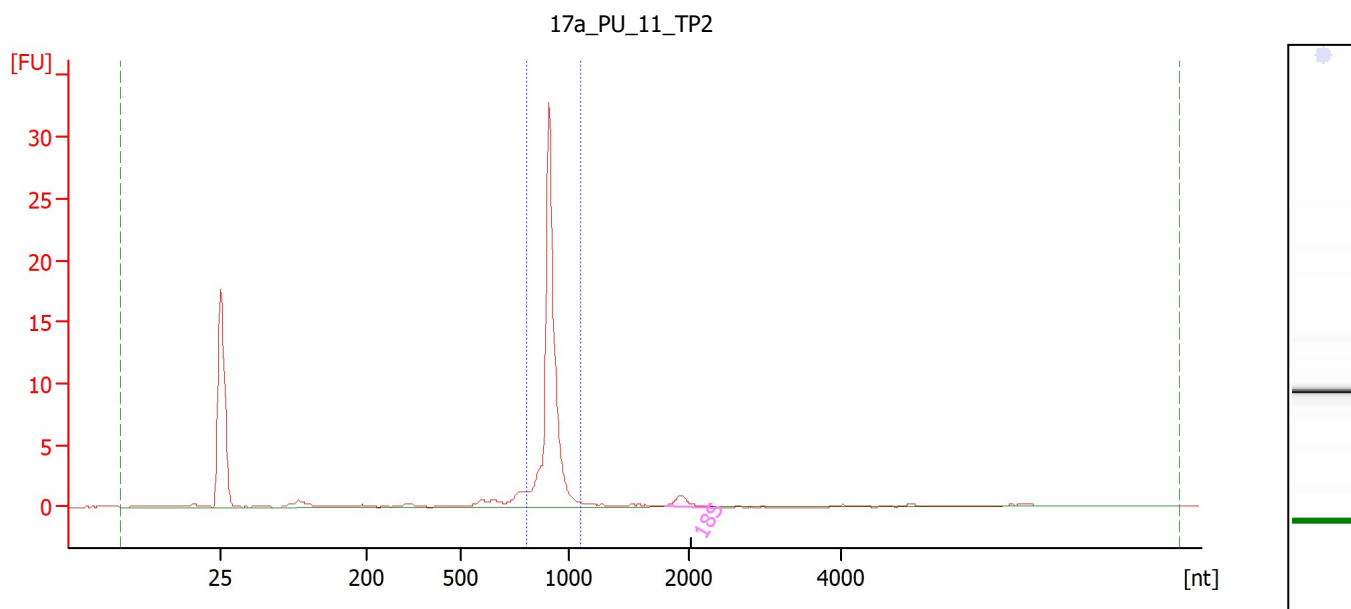
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,833	2,064	0.6	1.0

Region table for sample 2 : 17a PU 11 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	48.6	90	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-17-25.xad

Created: 12/10/2020 3:17:25 PM
 Modified: 12/10/2020 4:02:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 17a PU 11 TP2**

RNA Area:	50.0	Result Flagging Color:	
RNA Concentration:	27 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	41.0
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 3 : 17a PU 11 TP2

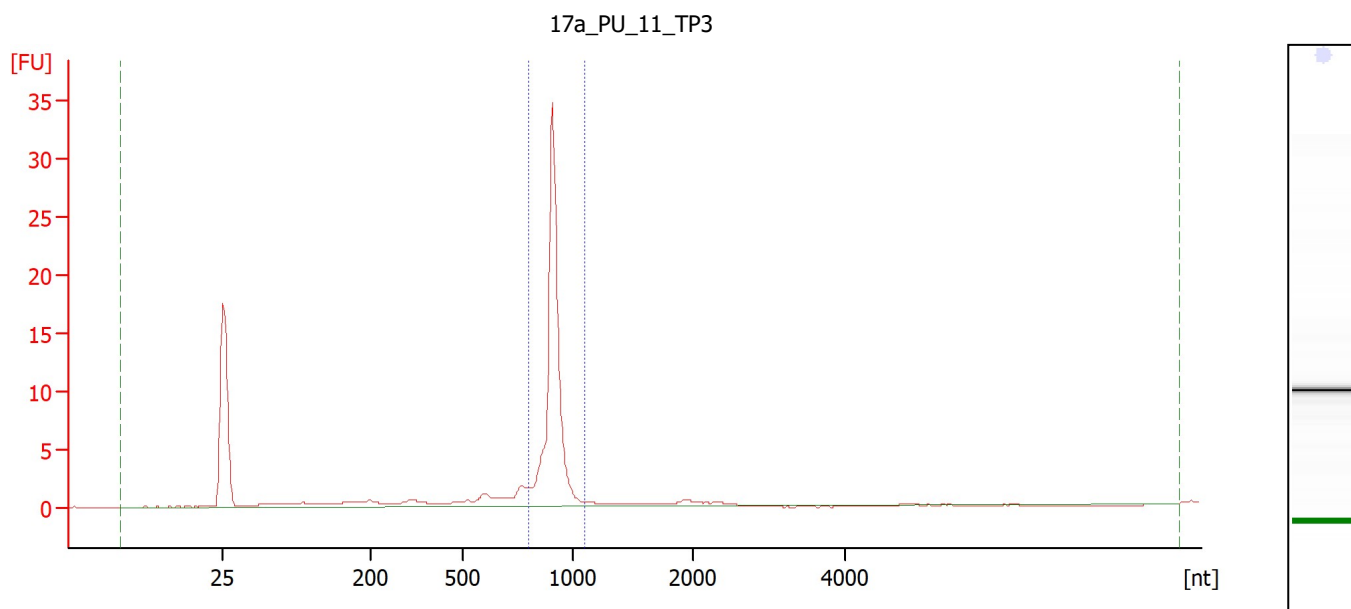
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,800	2,404	1.4	2.8

Region table for sample 3 : 17a PU 11 TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	41.0	82	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-17-25.xad

Created: 12/10/2020 3:17:25 PM
 Modified: 12/10/2020 4:02:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 17a PU 11 TP3**

RNA Area:	68.9	Result Flagging Color:	
RNA Concentration:	37 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	47.0
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

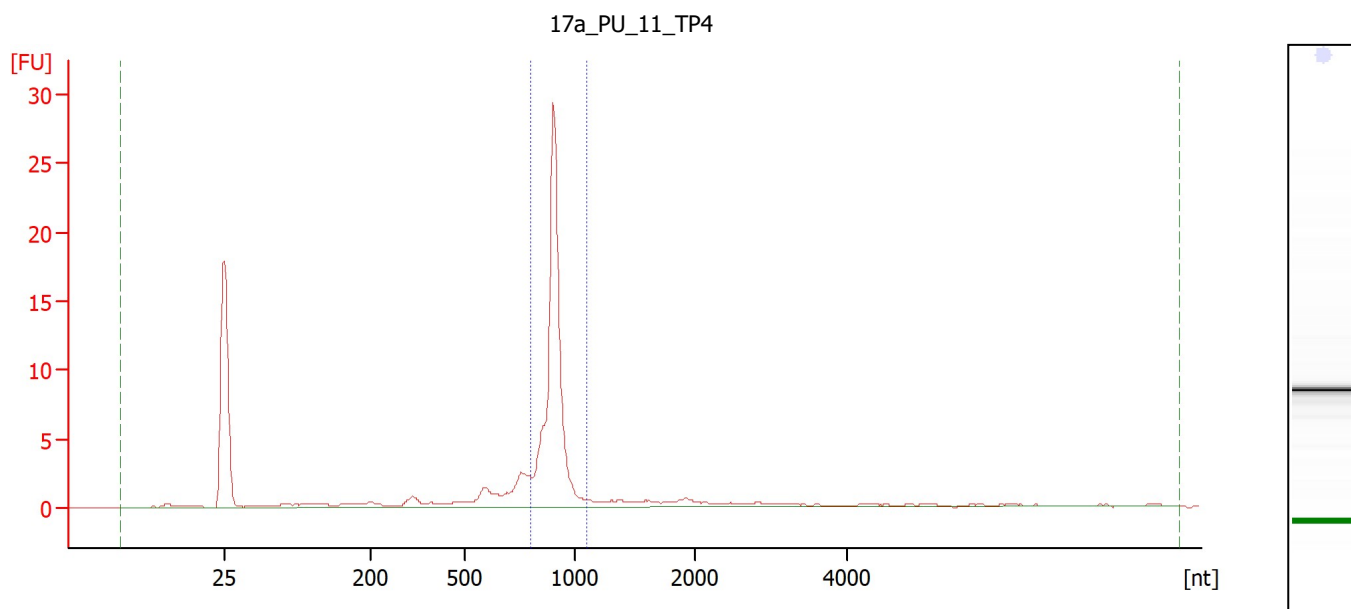
Region table for sample 4 : 17a PU 11 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	47.0	68	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-17-25.xad

Created: 12/10/2020 3:17:25 PM
 Modified: 12/10/2020 4:02:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 17a PU 11 TP4

RNA Area:	74.0	Result Flagging Color:	
RNA Concentration:	40 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	45.1
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

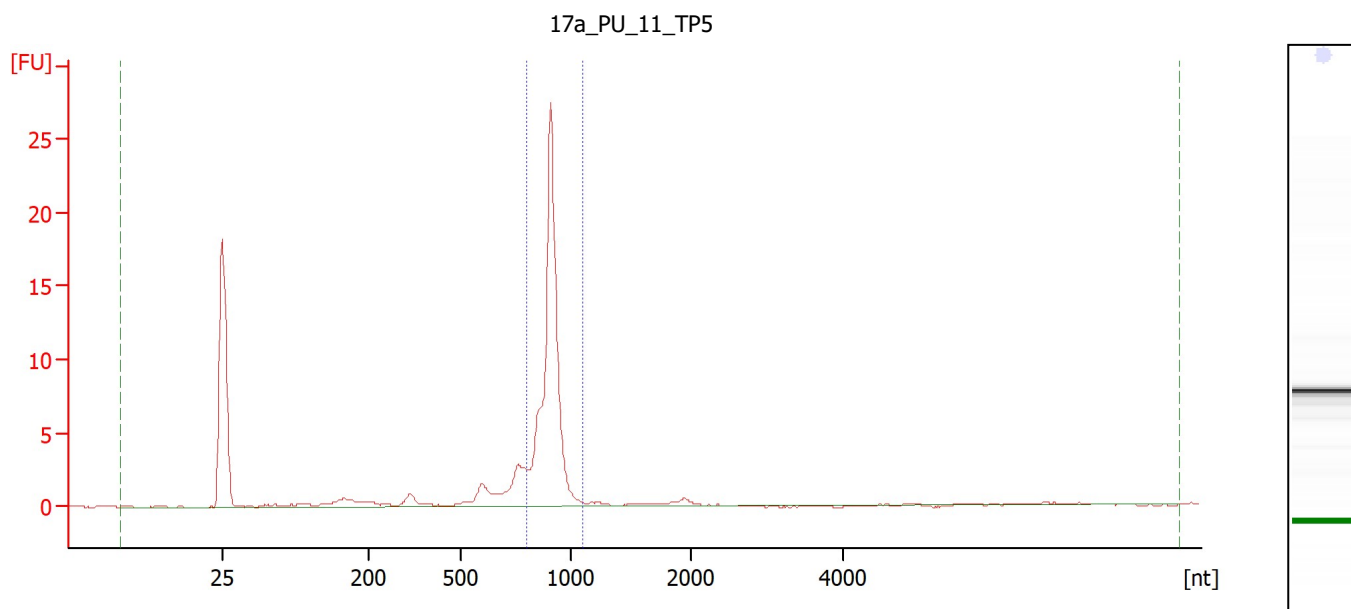
Region table for sample 5 : 17a PU 11 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	45.1	61	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-17-25.xad

Created: 12/10/2020 3:17:25 PM
 Modified: 12/10/2020 4:02:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 17a PU 11 TP5

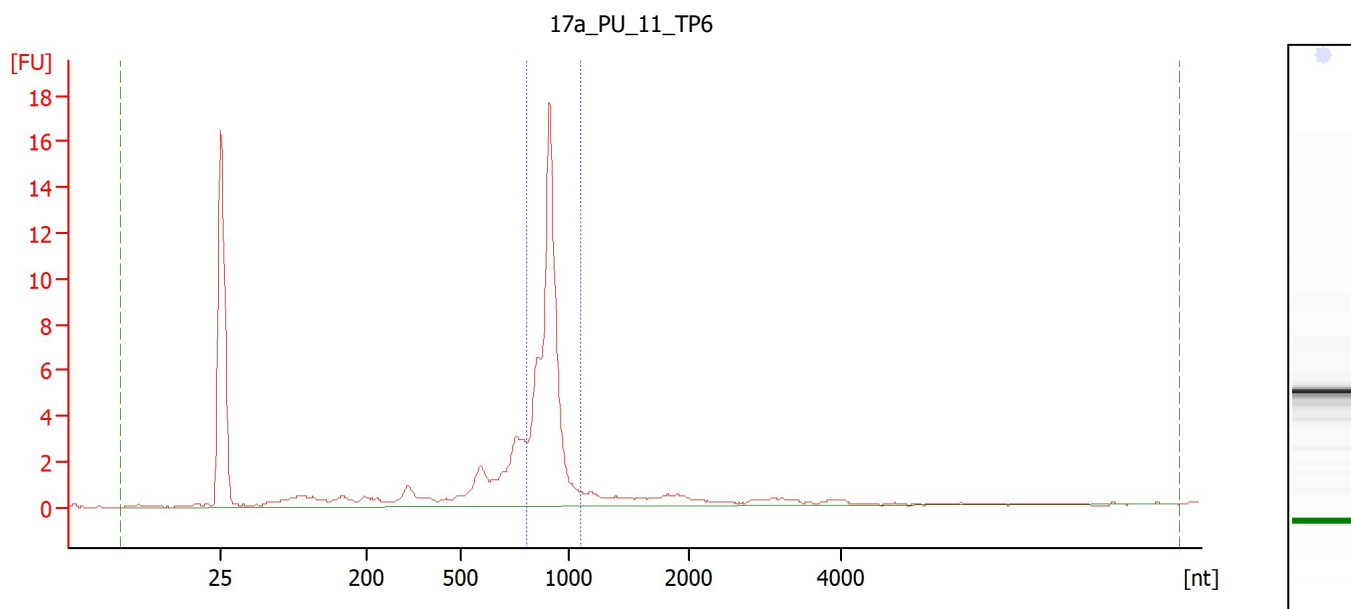
RNA Area:	66.8	Result Flagging Color:	
RNA Concentration:	36 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	45.7
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)		


Region table for sample 6 : 17a PU 11 TP5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	45.7	68	


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-17-25.xad

Created: 12/10/2020 3:17:25 PM
Modified: 12/10/2020 4:02:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : 17a PU 11 TP6**

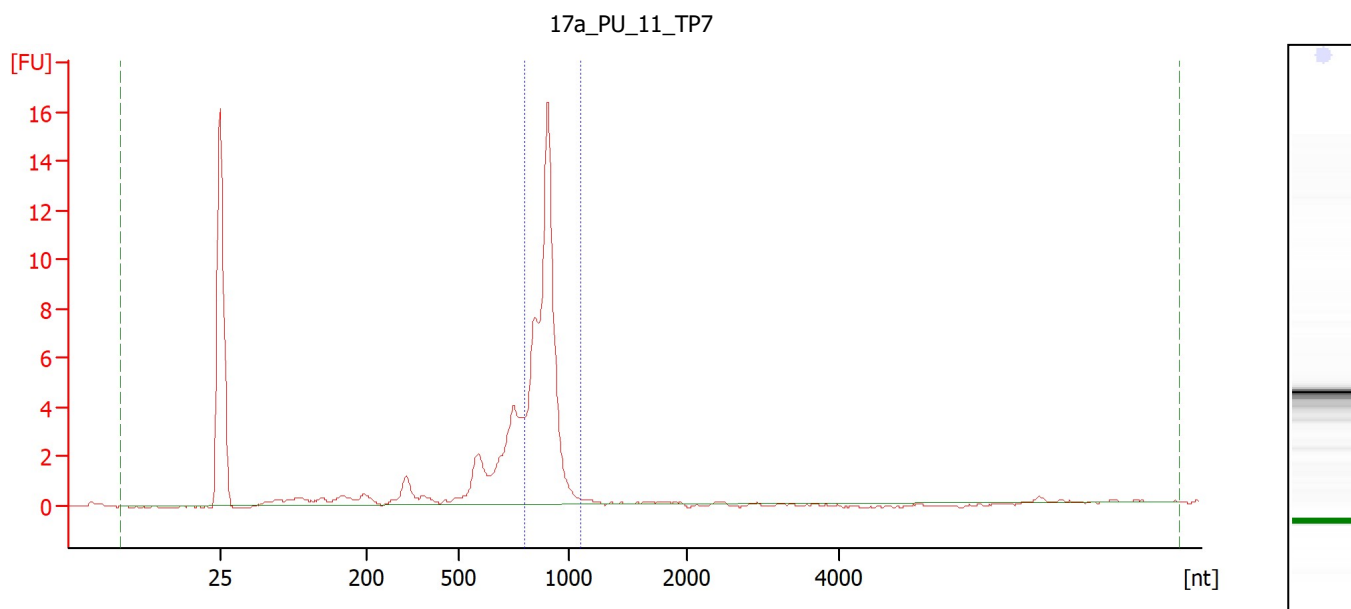
RNA Area:	70.8	Result Flagging Color:	
RNA Concentration:	38 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	36.4
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 7 : 17a PU 11 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	36.4	51	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-17-25.xad

Created: 12/10/2020 3:17:25 PM
Modified: 12/10/2020 4:02:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 17a PU 11 TP7**

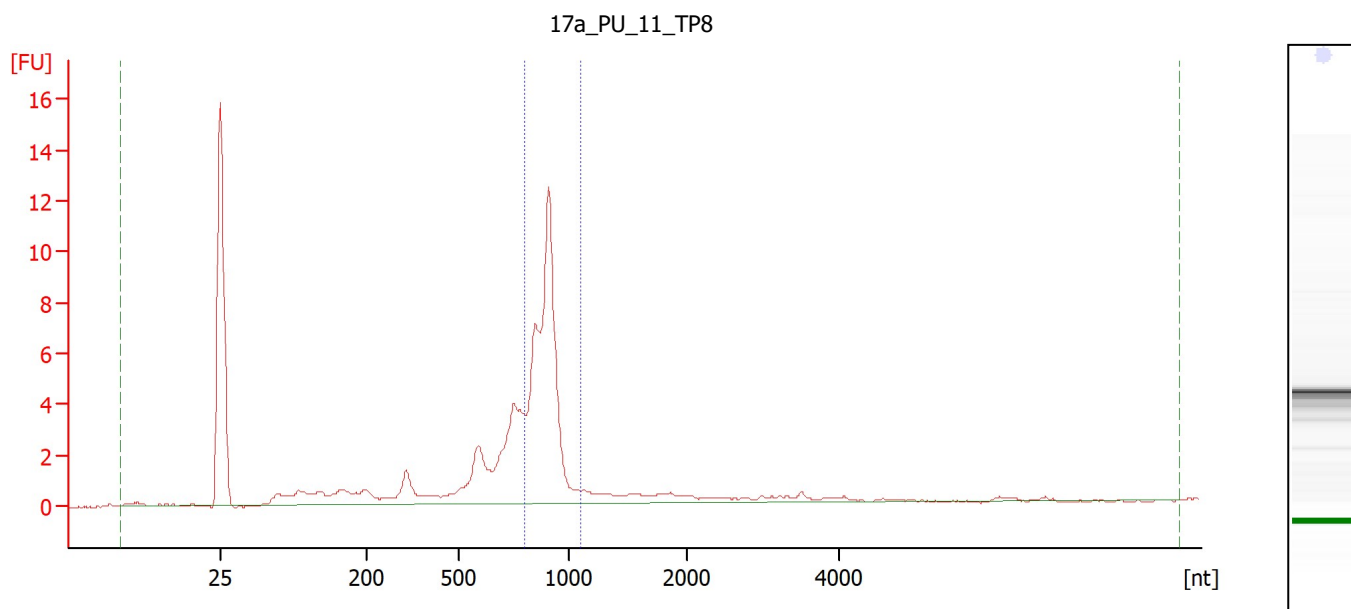
RNA Area:	60.5	Result Flagging Color:	
RNA Concentration:	33 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	37.1
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 8 : 17a PU 11 TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	37.1	61	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-17-25.xad

Created: 12/10/2020 3:17:25 PM
Modified: 12/10/2020 4:02:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 17a PU 11 TP8**

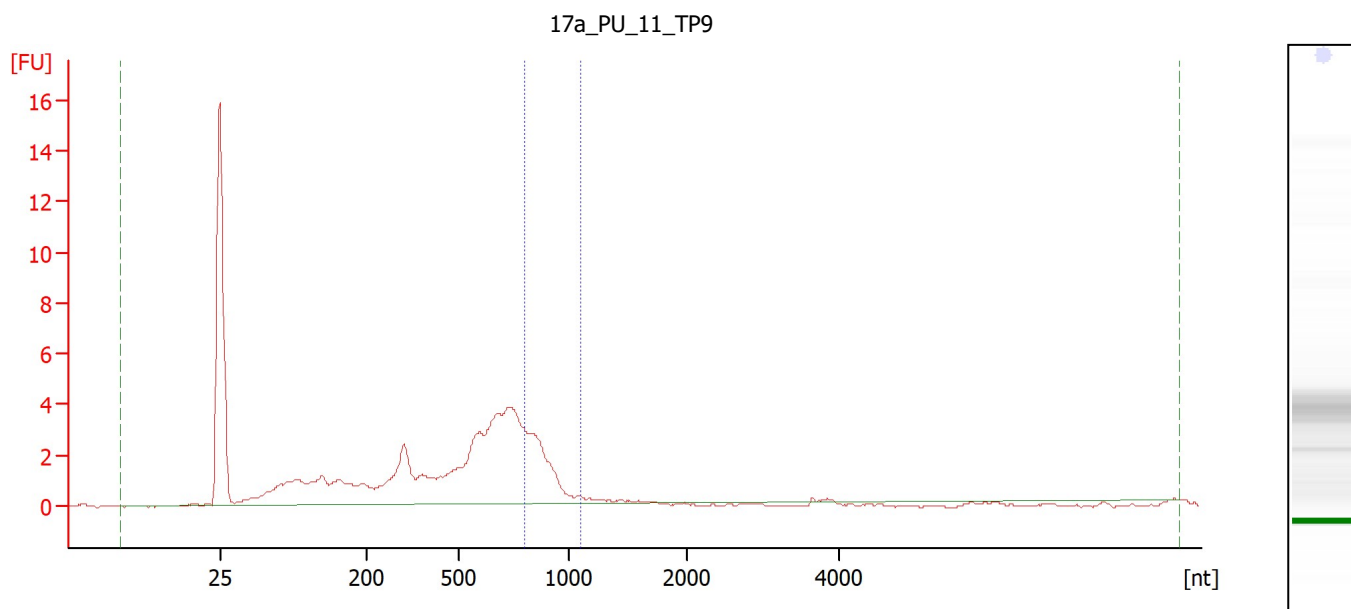
RNA Area:	68.9	Result Flagging Color:	
RNA Concentration:	37 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	32.2
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		


Region table for sample 9 : 17a PU 11 TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	32.2	47	


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-17-25.xad

Created: 12/10/2020 3:17:25 PM
Modified: 12/10/2020 4:02:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 17a_PU_11_TP9**

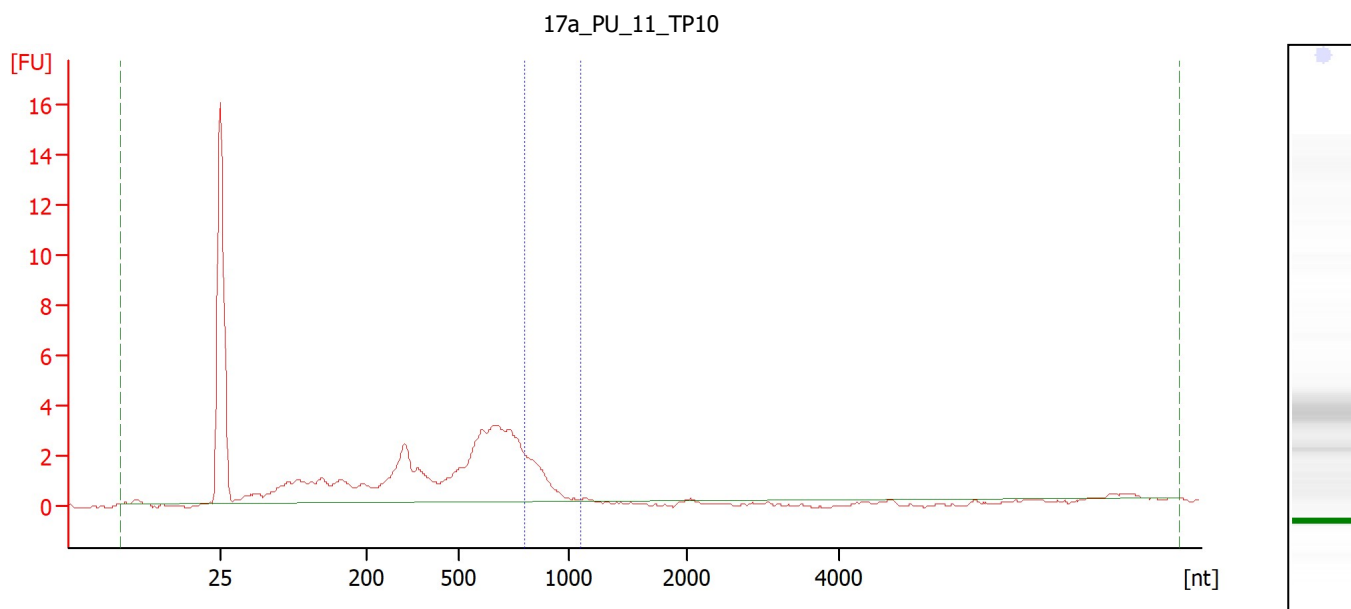
RNA Area:	64.8	Result Flagging Color:	
RNA Concentration:	35 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	10.1
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 10 : 17a_PU_11_TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	10.1	16	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-17-25.xad

Created: 12/10/2020 3:17:25 PM
 Modified: 12/10/2020 4:02:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : 17a_PU_11_TP10**

RNA Area:	55.8	Result Flagging Color:	
RNA Concentration:	30 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	5.7
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 11 : 17a_PU_11_TP10

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	5.7	10	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-17-25.xad

Created: 12/10/2020 3:17:25 PM
Modified: 12/10/2020 4:02:39 PM

Gel Image