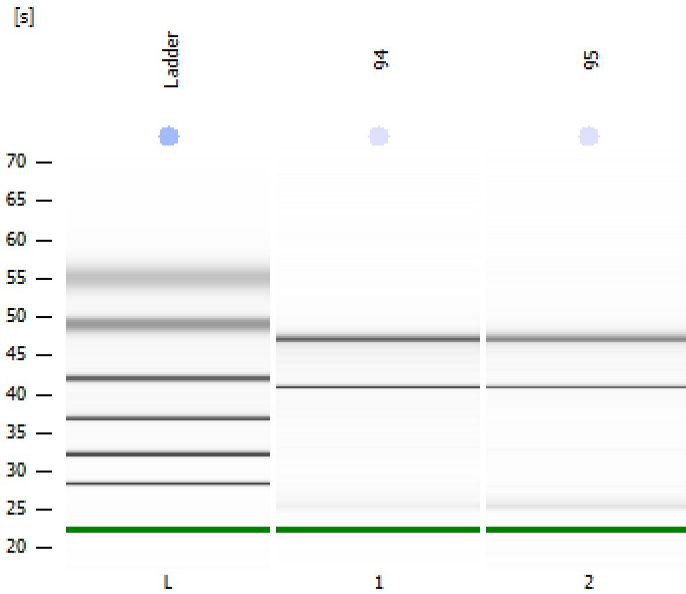


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-07-01\NovaSeq217TotRNAQC_Rerun.xad

Created: 7/1/2020 3:04:00 PM
Modified: 7/2/2020 12:59:40 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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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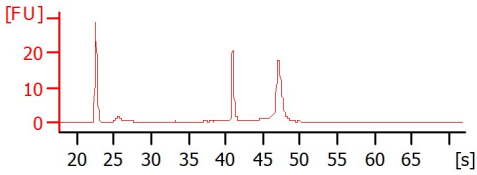
Chip Information:

Chip Lot #:

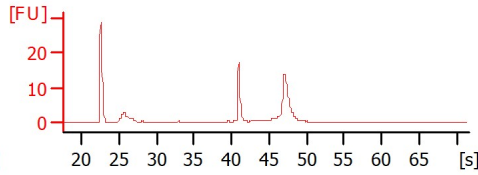
Reagent Kit Lot #:

Chip Comments:

94
NovaSeq217 TotRNA
RIN: 9.60



95
NovaSeq217 TotRNA
RIN: 10



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2020-07-01\NovaSeq217TotRNAQC_Rerun.xad

Created: 7/1/2020 3:04:00 PM
 Modified: 7/2/2020 12:59:40 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
94	NovaSeq217 TotRNA	✓	RIN: 9.60	
95	NovaSeq217 TotRNA	✓	RIN:10	
Ladder		✓	All Other Samples	

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-07-01\NovaSeq217TotRNAQC_Rerun.xad

Created: 7/1/2020 3:04:00 PM
Modified: 7/2/2020 12:59:40 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

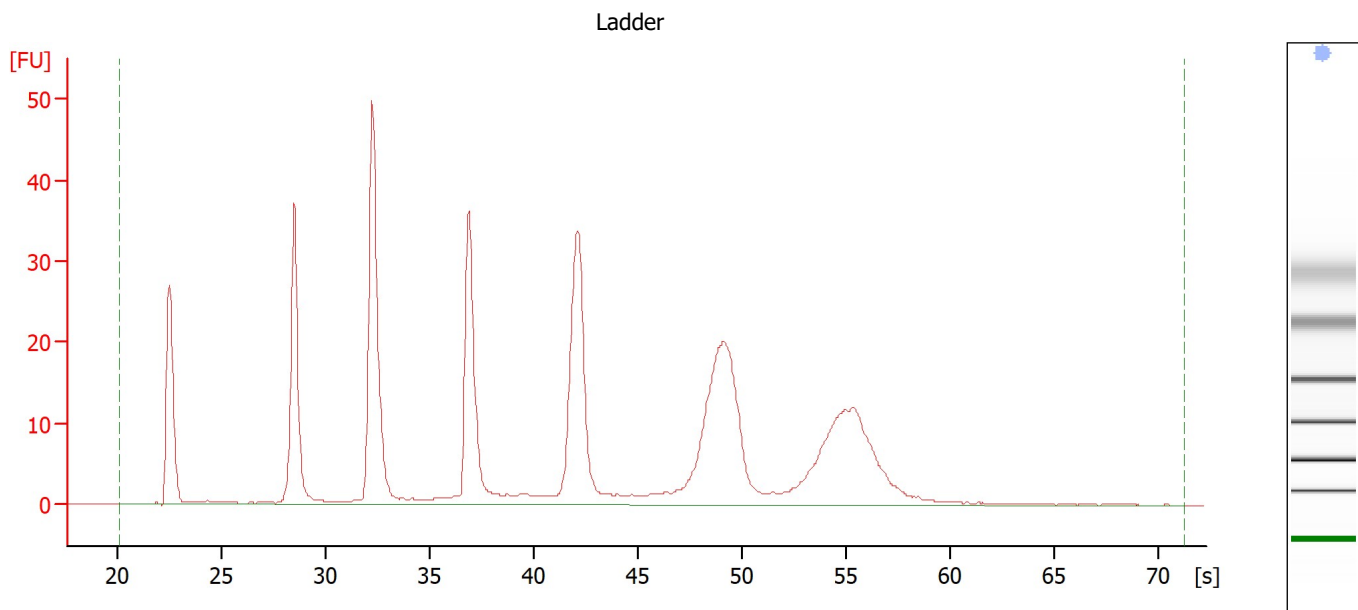
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-07-01\NovaSeq217TotRNAQC_Rerun.xad

Created: 7/1/2020 3:04:00 PM
Modified: 7/2/2020 12:59:40 PM

Electropherogram Summary



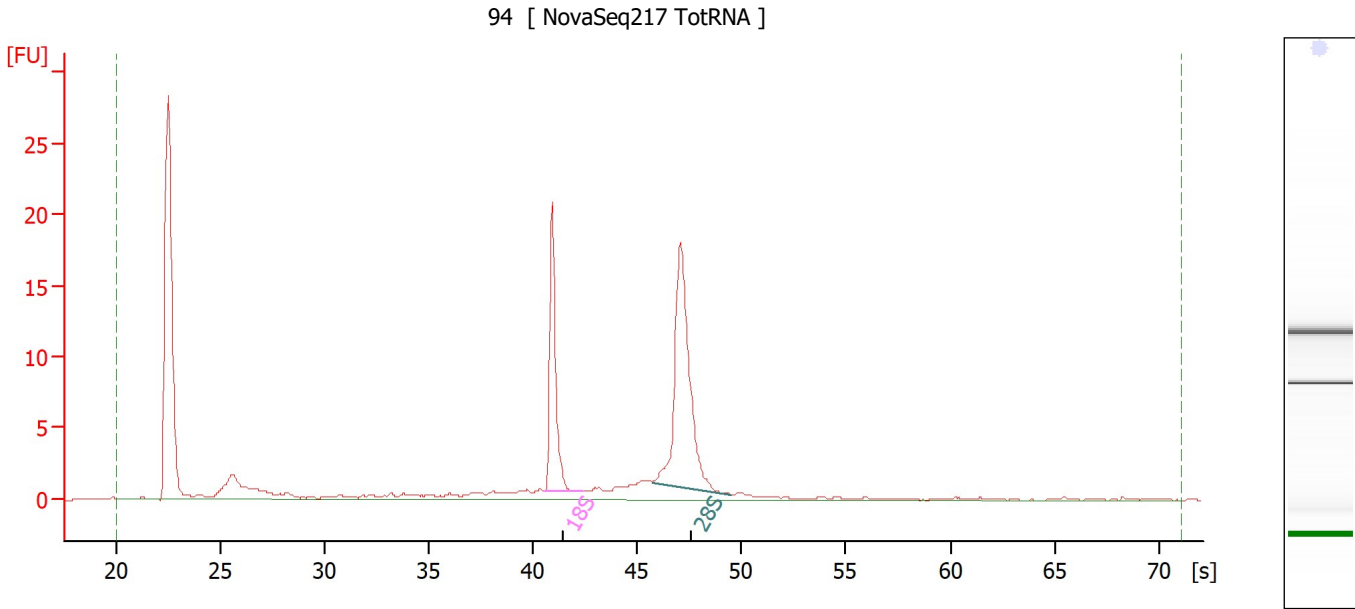
Overall Results for Ladder

RNA Area:	417.6	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2020-07-01\NovaSeq217TotRNAQC_Rerun.xad

Created: 7/1/2020 3:04:00 PM
 Modified: 7/2/2020 12:59:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 94

RNA Area:	85.3	RNA Integrity Number (RIN):	9.6 (B.02.10)
RNA Concentration:	31 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.60

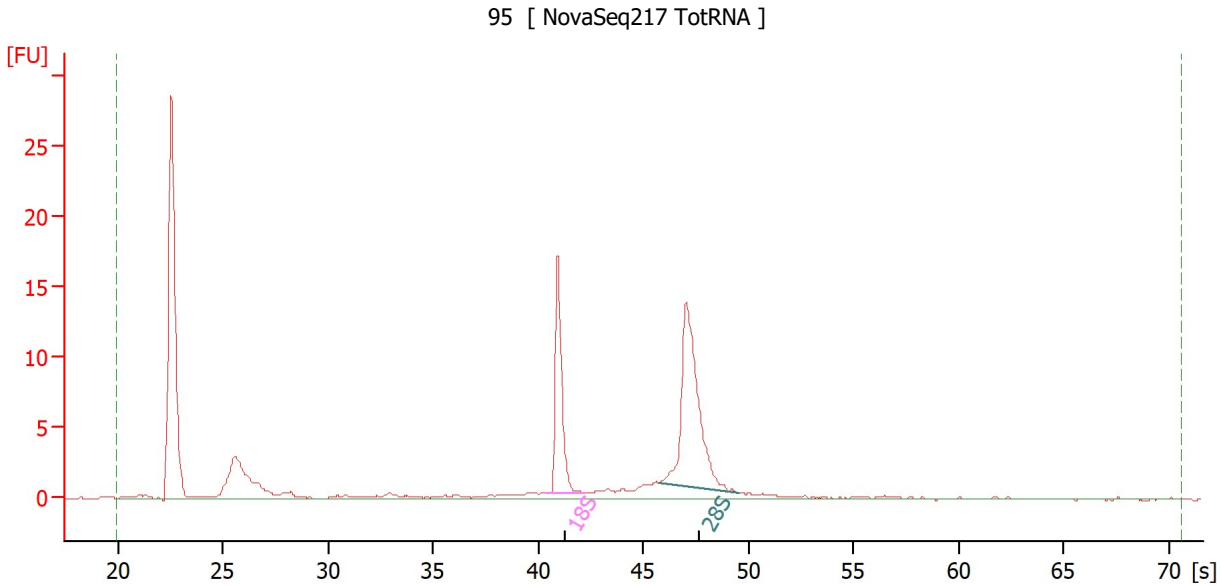
Fragment table for sample 1 : 94

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.57	42.37	16.8	19.6
28S	45.72	49.53	29.1	34.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2020-07-01\NovaSeq217TotRNAQC_Rerun.xad

Created: 7/1/2020 3:04:00 PM
 Modified: 7/2/2020 12:59:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 95

RNA Area:	78.4	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	28 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN:10

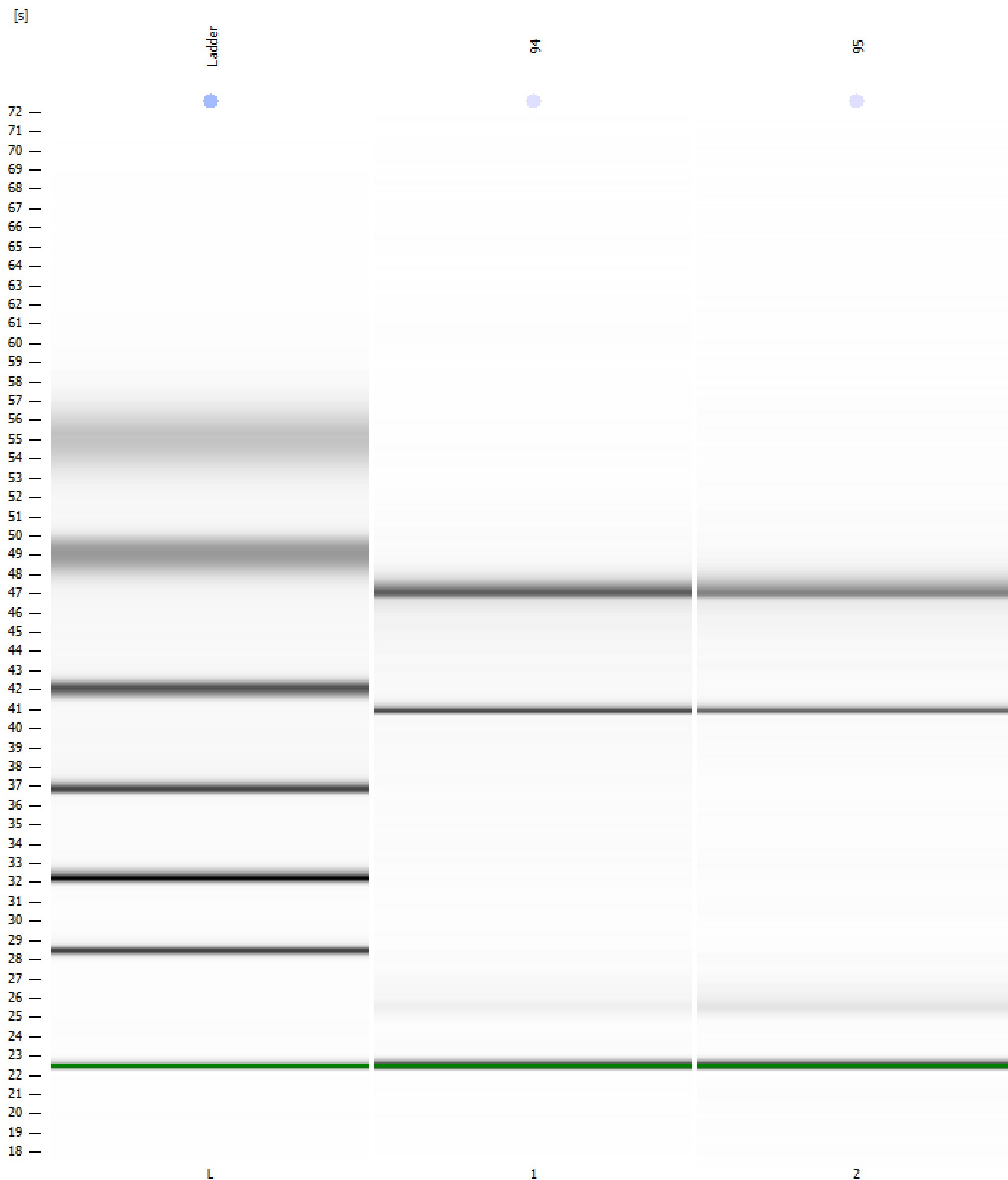
Fragment table for sample 2 : 95

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.35	42.24	14.3	18.3
28S	45.72	49.50	25.8	32.9

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-07-01\NovaSeq217TotRNAQC_Rerun.xad

Created: 7/1/2020 3:04:00 PM
Modified: 7/2/2020 12:59:40 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2020-07-01\NovaSeq217TotRNAQC_Rerun.xad

Created: 7/1/2020 3:04:00 PM
 Modified: 7/2/2020 12:59:40 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		7/1/2020 3:27:04 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-07-01\Bioanalyze_r1_Eukaryote Total RNA Nano_2020-07-01_002.xad)		Instrument	Run		7/1/2020 3:04:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/1/2020 3:04:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/1/2020 3:04:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/1/2020 3:04:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/1/2020 3:04:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/1/2020 3:04:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/1/2020 3:04:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB