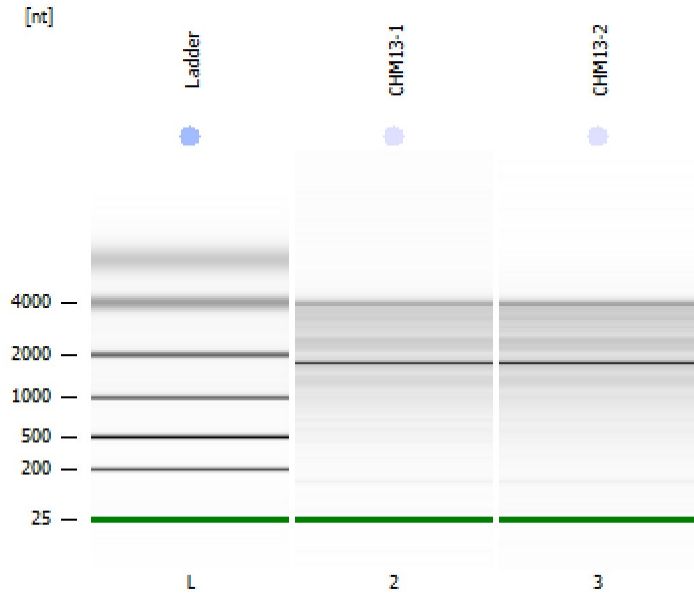


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-06\NovaSeq232_RNAQC.xad

Created: 8/6/2020 1:28:56 PM
Modified: 8/6/2020 2:00:50 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

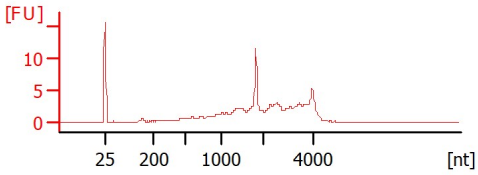
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

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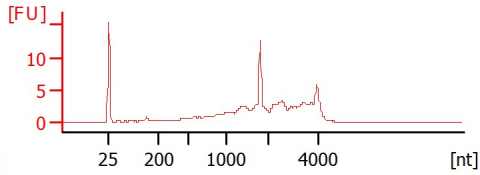
Chip Information:

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

CHM13-1
NOVASEQ232 #1
RIN: 6.30



CHM13-2
NOVASEQ232 #2
RIN: 6.50



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2020-08-06\NovaSeq232_RNAQC.xad

Created: 8/6/2020 1:28:56 PM
 Modified: 8/6/2020 2:00:50 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
CHM13-1	NOVASEQ232 #1	✓	RIN: 6.30	
CHM13-2	NOVASEQ232 #2	✓	RIN: 6.50	
Ladder		✓	All Other Samples	

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-06\NovaSeq232_RNAQC.xad

Created: 8/6/2020 1:28:56 PM
Modified: 8/6/2020 2:00:50 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

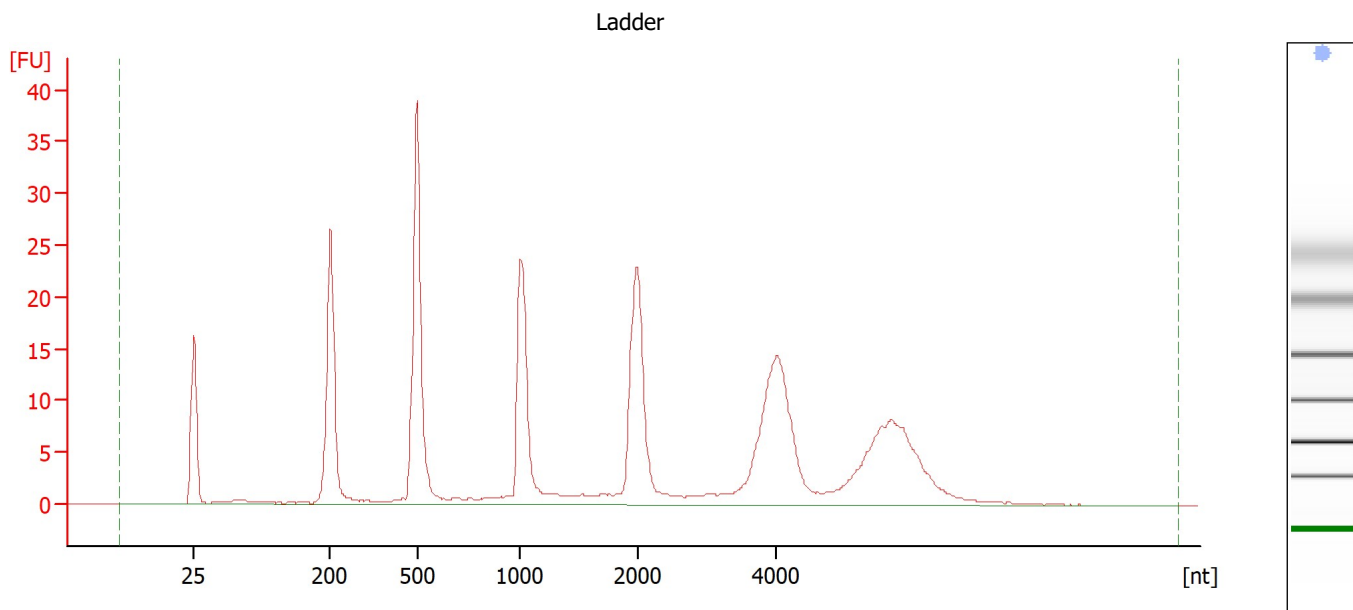
Ladder

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\2020-08-06\NovaSeq232_RNAQC.xad

Created: 8/6/2020 1:28:56 PM
Modified: 8/6/2020 2:00:50 PM

Electropherogram Summary



Overall Results for Ladder

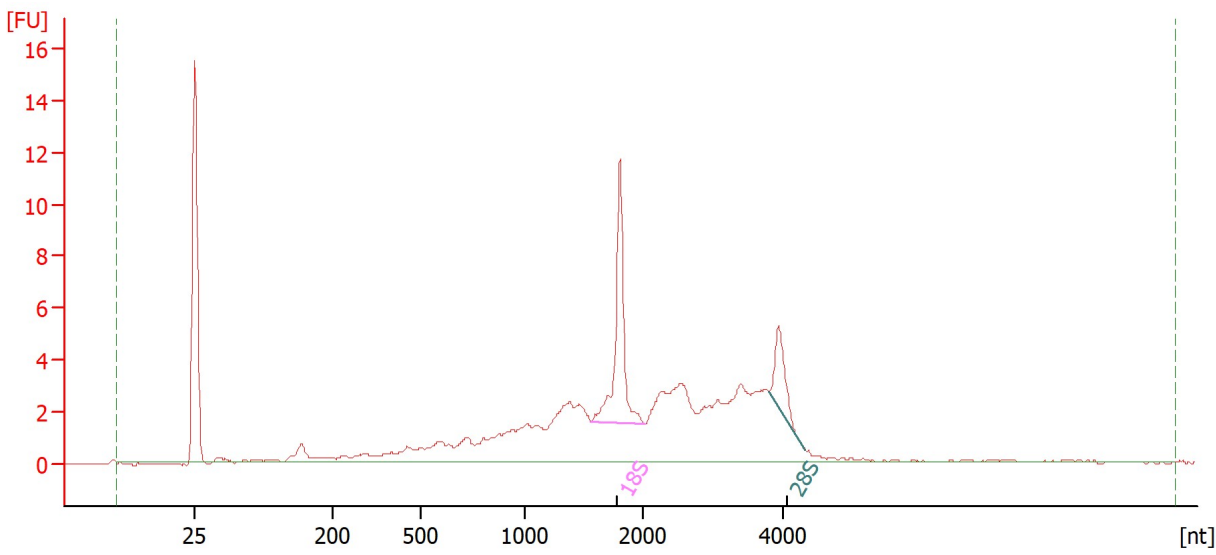
RNA Area:	283.6	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2020-08-06\NovaSeq232_RNAQC.xad

Created: 8/6/2020 1:28:56 PM
 Modified: 8/6/2020 2:00:50 PM

Electropherogram Summary Continued ...

CHM13-1 [NOVASEQ232 #1]



Overall Results for sample 2 : CHM13-1

RNA Area:	92.4	RNA Integrity Number (RIN):	6.3 (B.02.10)
RNA Concentration:	49 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 6.30

Fragment table for sample 2 : CHM13-1

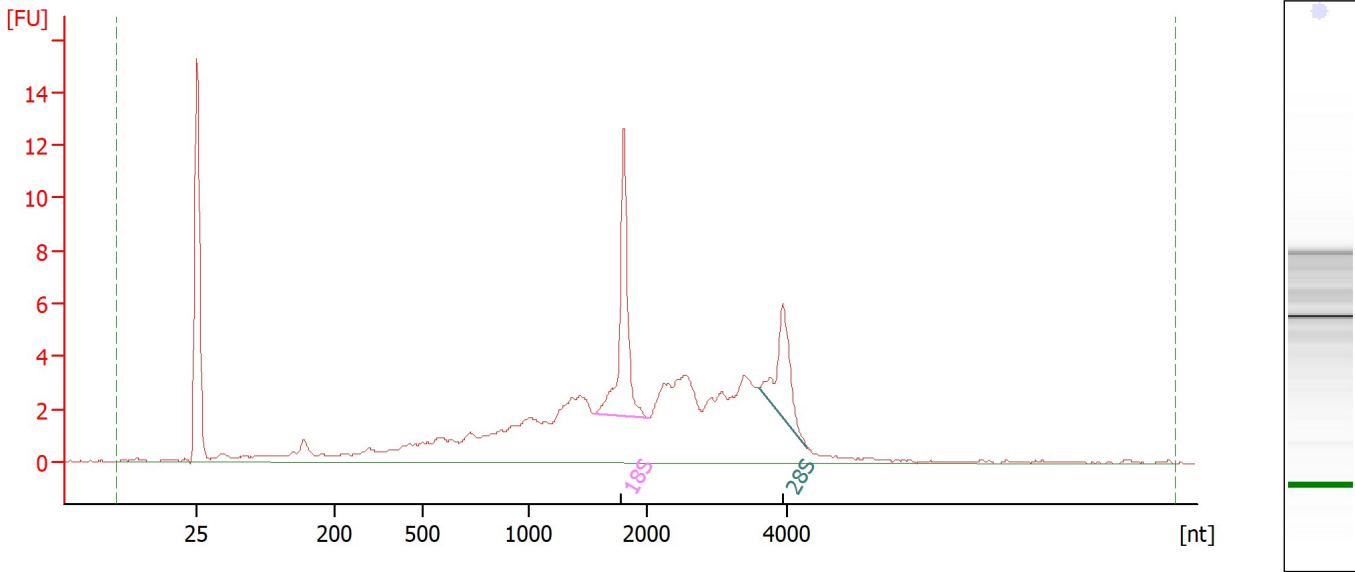
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,566	2,036	10.2	11.0
28S	3,805	4,324	3.5	3.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2020-08-06\NovaSeq232_RNAQC.xad

Created: 8/6/2020 1:28:56 PM
 Modified: 8/6/2020 2:00:50 PM

Electropherogram Summary Continued ...

CHM13-2 [NOVASEQ232 #2]



Overall Results for sample 3 : CHM13-2

RNA Area:	106.7	RNA Integrity Number (RIN):	6.5 (B.02.10)
RNA Concentration:	56 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 6.50

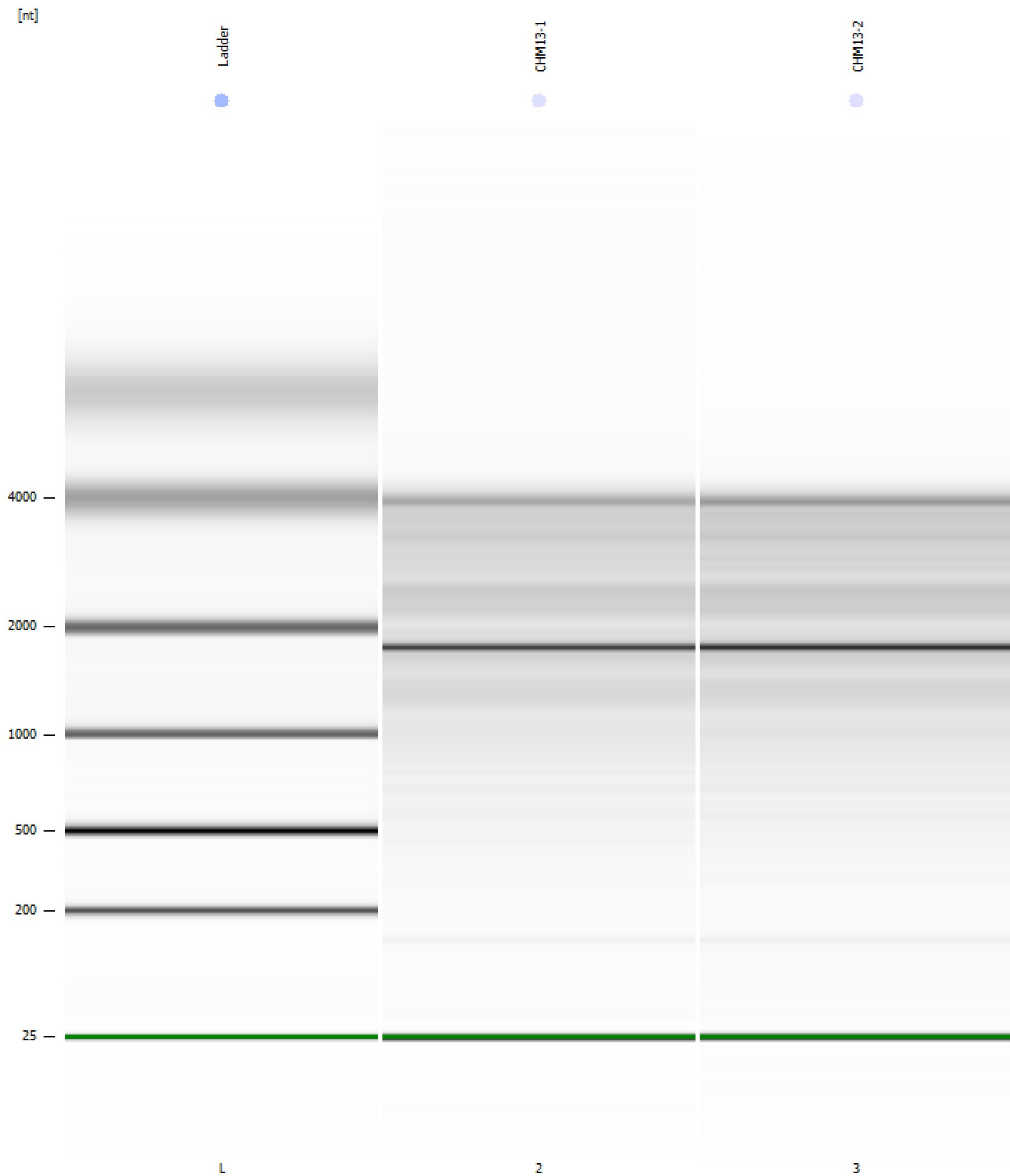
Fragment table for sample 3 : CHM13-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,561	2,023	10.9	10.2
28S	3,588	4,286	6.1	5.7

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-06\NovaSeq232_RNAQC.xad

Created: 8/6/2020 1:28:56 PM
Modified: 8/6/2020 2:00:50 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2020-08-06\NovaSeq232_RNAQC.xad

Created: 8/6/2020 1:28:56 PM
 Modified: 8/6/2020 2:00:50 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		8/6/2020 1:52:46 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-08-06\Bioanalyze_r1_Eukaryote Total RNA Nano_2020-08-06_001.xad)		Instrument	Run		8/6/2020 1:29:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/6/2020 1:29:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/6/2020 1:29:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/6/2020 1:29:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/6/2020 1:29:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/6/2020 1:29:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/6/2020 1:29:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB