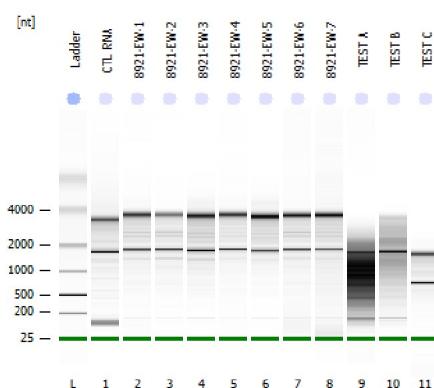


Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DEDAE01288_2022-10-31_10-49-02.xad

Created: 10/31/2022 10:49:02 AM
 Modified: 10/31/2022 12:39:39 PM

Electrophoresis File Run Summary



Instrument Information:

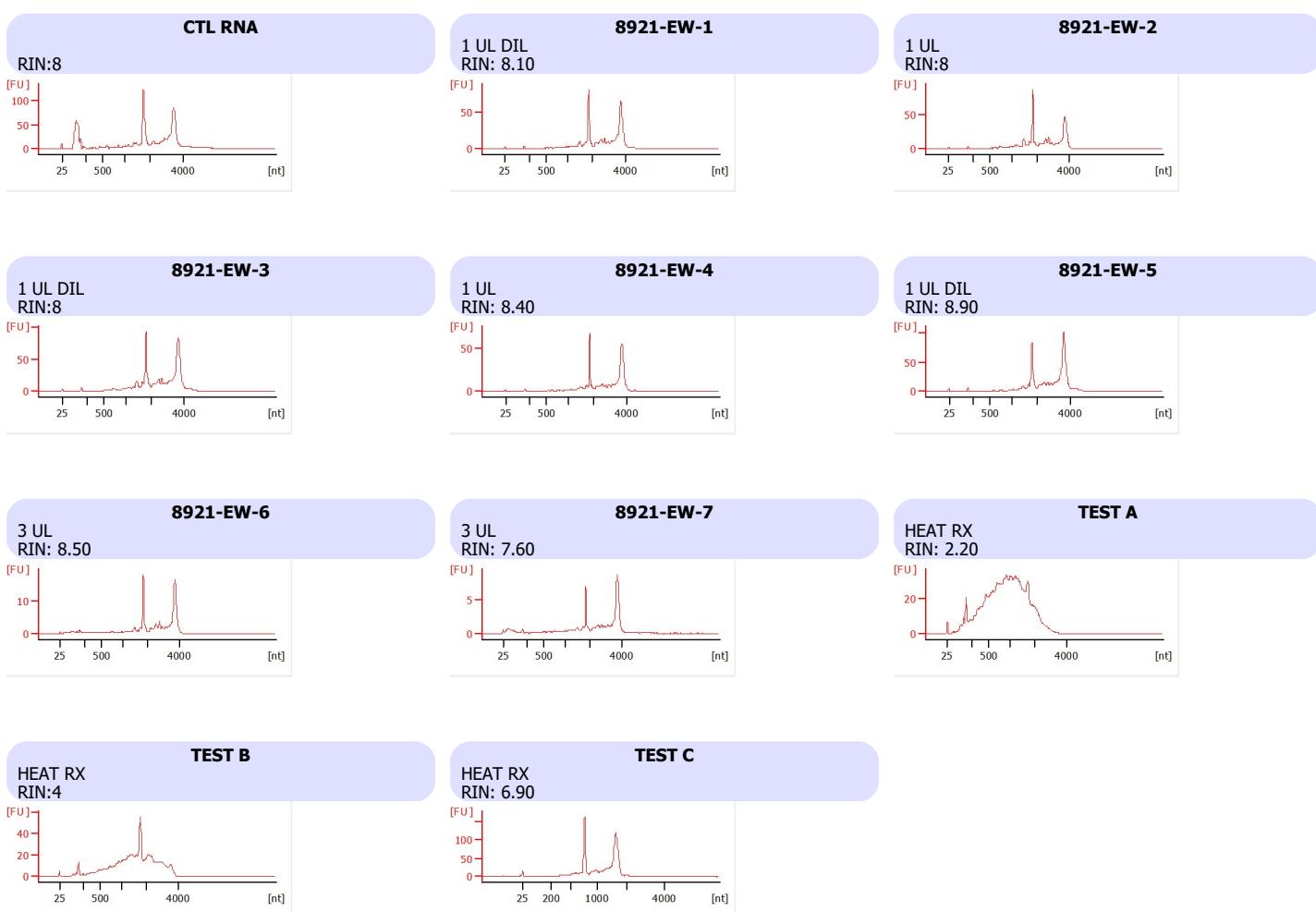
Instrument Name: DEDAE01288 Firmware: C.01.069
 Serial#: DEDAE01288 Type: G2939B

Assay Information:

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



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DEDAE01288_2022-10-31_10-49-02.xad

Created: 10/31/2022 10:49:02 AM
 Modified: 10/31/2022 12:39:39 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
CTL RNA		✓	RIN:8	
8921-EW-1	1 UL DIL	✓	RIN: 8.10	
8921-EW-2	1 UL	✓	RIN:8	
8921-EW-3	1 UL DIL	✓	RIN:8	
8921-EW-4	1 UL	✓	RIN: 8.40	
8921-EW-5	1 UL DIL	✓	RIN: 8.90	
8921-EW-6	3 UL	✓	RIN: 8.50	
8921-EW-7	3 UL	✓	RIN: 7.60	
TEST A	HEAT RX	✓	RIN: 2.20	
TEST B	HEAT RX	✓	RIN:4	
TEST C	HEAT RX	✓	RIN: 6.90	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DEDAE01288_2022-10-31_10-49-02.xad

Created: 10/31/2022 10:49:02 AM
Modified: 10/31/2022 12:39:39 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 18

End Analysis Time Range [s] : 69

Ladder Concentration [pg/ μ l] : 1000

Lower Marker Concentration [pg/ μ l] : 0

Upper Marker Concentration [pg/ 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] : 18

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.3

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

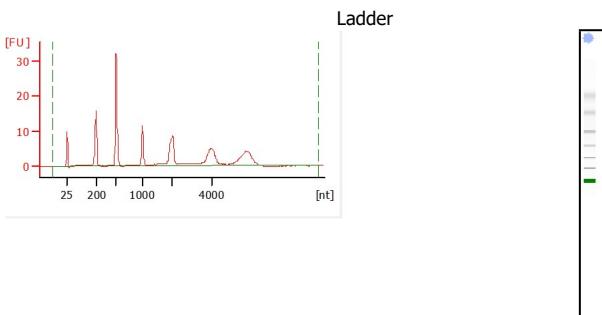
Ladder

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

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DEDAE01288_2022-10-31_10-49-02.xad

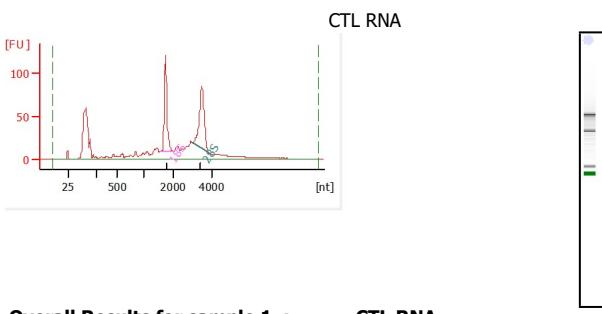
Created: 10/31/2022 10:49:02 AM
 Modified: 10/31/2022 12:39:39 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 148.9
 RNA Concentration: 1,000 pg/ μ l
 Result Flagging Color:
 Result Flagging Label: All Other Samples



Overall Results for sample 1 : CTL RNA

RNA Area: 1,073.9
 RNA Concentration: 7,211 pg/ μ l
 rRNA Ratio [28s / 18s]: 1.0
 RNA Integrity Number (RIN): 8 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN:8

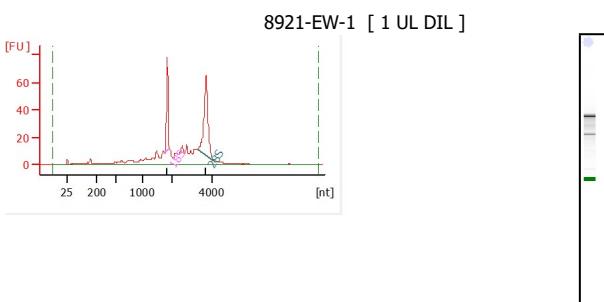
Fragment table for sample 1 : CTL RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,571	2,003	153.6	14.3
28S	3,005	3,870	160.4	14.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DEDAE01288_2022-10-31_10-49-02.xad

Created: 10/31/2022 10:49:02 AM
 Modified: 10/31/2022 12:39:39 PM

Electropherogram Summary Continued ...



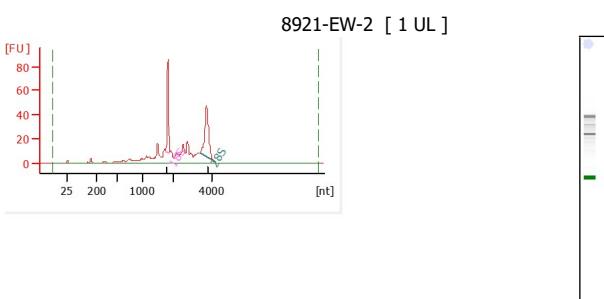
Overall Results for sample 2 : 8921-EW-1

RNA Area: 477.0
 RNA Concentration: 3,203 pg/ μ l
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 8.1 (B.02.10)
 Result Flagging Color: (B.02.10)
 Result Flagging Label: RIN: 8.10

Fragment table for sample 2 : 8921-EW-1

Name Start Size [nt] End Size [nt] Area % of total Area

18S	1,747	1,899	52.6	11.0
28S	3,319	4,122	113.0	23.7



Overall Results for sample 3 : 8921-EW-2

RNA Area: 420.6
 RNA Concentration: 2,824 pg/ μ l
 rRNA Ratio [28s / 18s]: 1.5
 RNA Integrity Number (RIN): 8 (B.02.10)
 Result Flagging Color: (B.02.10)
 Result Flagging Label: RIN:8

Fragment table for sample 3 : 8921-EW-2

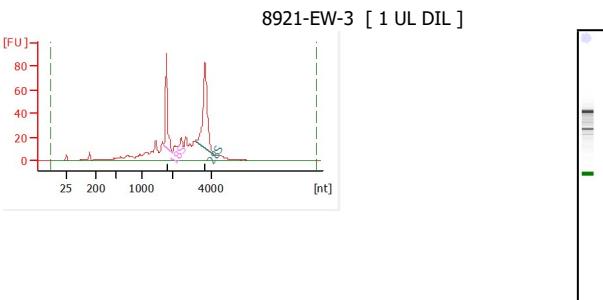
Name Start Size [nt] End Size [nt] Area % of total Area

18S	1,759	1,898	56.8	13.5
28S	3,382	4,176	83.2	19.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DEDAE01288_2022-10-31_10-49-02.xad

Created: 10/31/2022 10:49:02 AM
 Modified: 10/31/2022 12:39:39 PM

Electropherogram Summary Continued ...



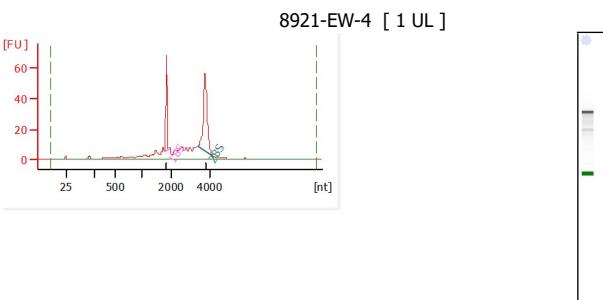
Overall Results for sample 4 : 8921-EW-3

RNA Area: 666.0
 RNA Concentration: 4,472 pg/ μ l
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 8 (B.02.10)
 Result Flagging Color: (Good)
 Result Flagging Label: RIN:8

Fragment table for sample 4 : 8921-EW-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
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18S	1,709	2,006	84.0	12.6
28S	3,179	4,166	153.7	23.1



Overall Results for sample 5 : 8921-EW-4

RNA Area: 342.3
 RNA Concentration: 2,299 pg/ μ l
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 8.4 (B.02.10)
 Result Flagging Color: (Good)
 Result Flagging Label: RIN: 8.40

Fragment table for sample 5 : 8921-EW-4

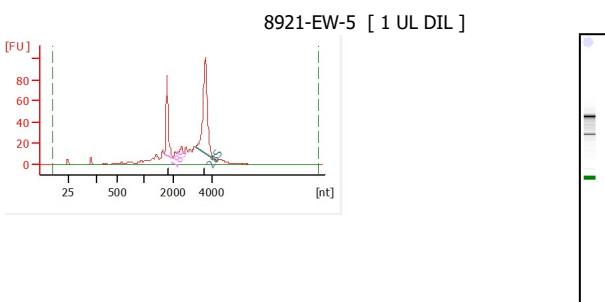
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
------	-----------------	---------------	------	-----------------

18S	1,777	1,905	44.6	13.0
28S	3,373	4,159	96.5	28.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DEDAE01288_2022-10-31_10-49-02.xad

Created: 10/31/2022 10:49:02 AM
 Modified: 10/31/2022 12:39:39 PM

Electropherogram Summary Continued ...

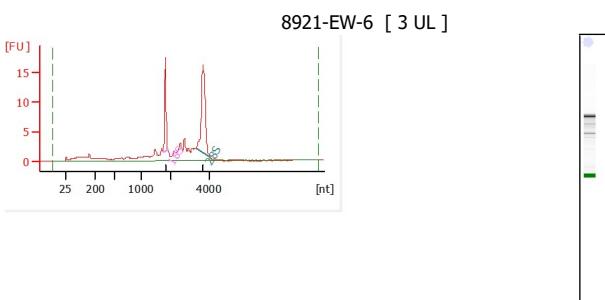


Overall Results for sample 6 : 8921-EW-5

RNA Area: 633.0
 RNA Concentration: 4,250 pg/μl
 rRNA Ratio [28s / 18s]: 2.4
 RNA Integrity Number (RIN): 8.9 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.90

Fragment table for sample 6 : 8921-EW-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,697	1,984	80.9	12.8
28S	3,132	4,131	193.9	30.6



Overall Results for sample 7 : 8921-EW-6

RNA Area: 104.8
 RNA Concentration: 703 pg/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 8.5 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.50

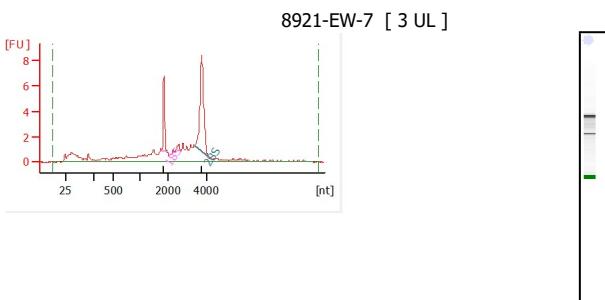
Fragment table for sample 7 : 8921-EW-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,764	1,909	11.8	11.3
28S	3,350	4,067	26.1	24.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\Eukaryote Total RNA Pico_DEDAE01288_2022-10-31_10-49-02.xad

Created: 10/31/2022 10:49:02 AM
Modified: 10/31/2022 12:39:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 8921-EW-7

RNA Area: 61.0
RNA Concentration: 410 pg/ μ l
rRNA Ratio [28s / 18s]: 3.1
RNA Integrity Number (RIN): 7.6 (B.02.10)
Result Flagging Color: 
Result Flagging Label: RIN: 7.60

Fragment table for sample 8 : 8921-EW-7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
------	-----------------	---------------	------	-----------------

18S	1,763	1,900	4.3	7.0
28S	3,361	4,104	13.3	21.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\Eukaryote Total RNA Pico_DEDAE01288_2022-10-31_10-49-02.xad

Created: 10/31/2022 10:49:02 AM
 Modified: 10/31/2022 12:39:39 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 6 (Number of wells acquired: 12)		Instrument	Run		10/31/2022 11:11:59 AM	(GMT -05:00) Central Standard Time	vantage	DESKTOP-JT2M BGQ
Run started on port 6 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\Data\2022-10-31\MA CHIP 1_Eukaryote Total RNA Pico_DEDAE01288_2022-10-31_10-49-02.xad)		Instrument	Run		10/31/2022 10:49:08 AM	(GMT -05:00) Central Standard Time	vantage	DESKTOP-JT2M BGQ
Product Number : G2939B		Instrument	Run		10/31/2022 10:49:08 AM	(GMT -05:00) Central Standard Time	vantage	DESKTOP-JT2M BGQ
Name :		Instrument	Run		10/31/2022 10:49:08 AM	(GMT -05:00) Central Standard Time	vantage	DESKTOP-JT2M BGQ
Vendor : Agilent Technologies		Instrument	Run		10/31/2022 10:49:08 AM	(GMT -05:00) Central Standard Time	vantage	DESKTOP-JT2M BGQ
Serial# : DEDAE01288		Instrument	Run		10/31/2022 10:49:08 AM	(GMT -05:00) Central Standard Time	vantage	DESKTOP-JT2M BGQ
Firmware : C.01.069		Instrument	Run		10/31/2022 10:49:08 AM	(GMT -05:00) Central Standard Time	vantage	DESKTOP-JT2M BGQ
Cartridge : Electrode		Instrument	Run		10/31/2022 10:49:08 AM	(GMT -05:00) Central Standard Time	vantage	DESKTOP-JT2M BGQ