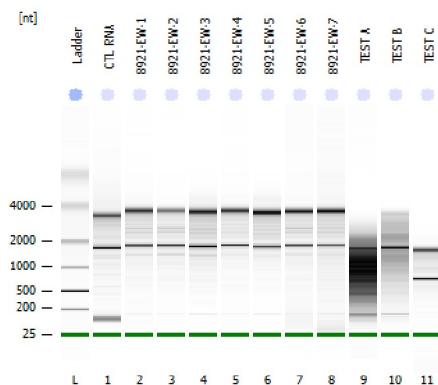


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DEDAE01288_2022-10-31_10-49-02.xad

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:

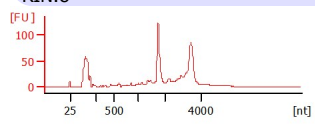
Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

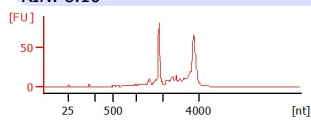
CTL RNA

RIN:8



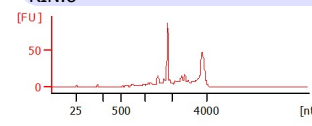
8921-EW-1

1 UL DIL
RIN: 8.10



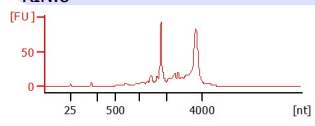
8921-EW-2

1 UL
RIN:8



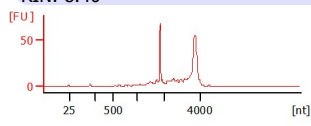
8921-EW-3

1 UL DIL
RIN:8



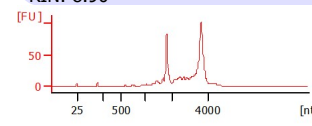
8921-EW-4

1 UL
RIN: 8.40



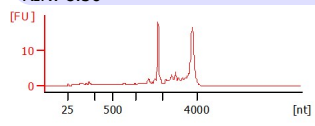
8921-EW-5

1 UL DIL
RIN: 8.90



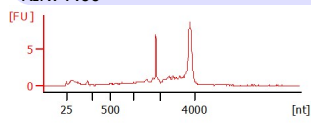
8921-EW-6

3 UL
RIN: 8.50



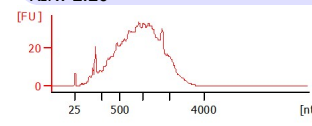
8921-EW-7

3 UL
RIN: 7.60



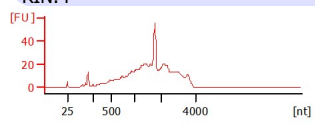
TEST A

HEAT RX
RIN: 2.20



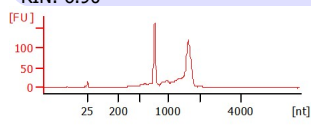
TEST B

HEAT RX
RIN:4



TEST C

HEAT RX
RIN: 6.90



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

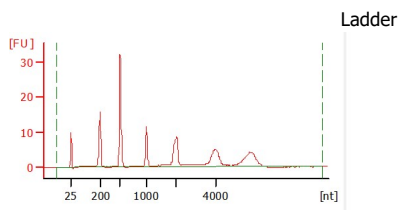
Ladder

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

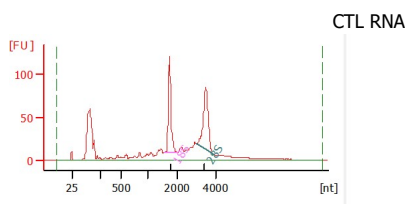
Created: 10/31/2022 10:49:02 AM
Modified: 10/31/2022 12:39:39 PM

Electropherogram Summary



Overall Results for Ladder

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



Overall Results for sample 1 : CTL RNA

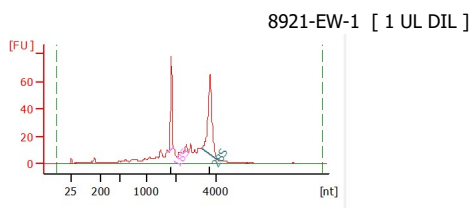
RNA Area: 1,073.9
RNA Concentration: 7,211 pg/μl
rRNA Ratio [28s / 18s]: 1.0
RNA Integrity Number (RIN): 8 (B.02.10)
Result Flagging Color:
Result Flagging Label: RIN:8

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

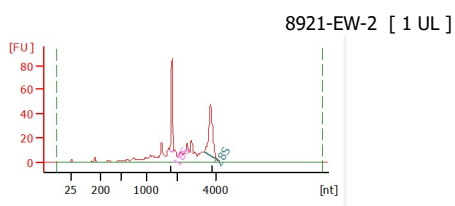
Created: 10/31/2022 10:49:02 AM
Modified: 10/31/2022 12:39:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 8921-EW-1**

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

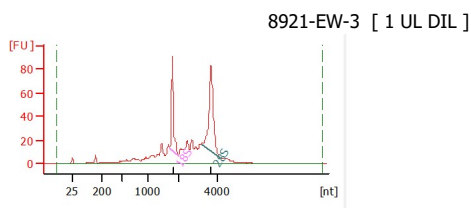
RNA Area: 420.6
RNA Concentration: 2,824 pg/μl
rRNA Ratio [28s / 18s]: 1.5
RNA Integrity Number (RIN): 8 (B.02.10)
Result Flagging Color:
Result Flagging Label: RIN: 8

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

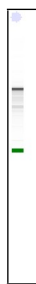
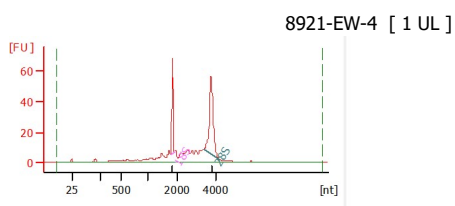
Created: 10/31/2022 10:49:02 AM
Modified: 10/31/2022 12:39:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 8921-EW-3**

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

Fragment table for sample 4 : 8921-EW-3

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

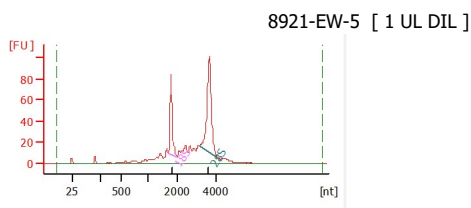
RNA Area: 342.3
RNA Concentration: 2,299 pg/μl
rRNA Ratio [28s / 18s]: 2.2
RNA Integrity Number (RIN): 8.4 (B.02.10)
Result Flagging Color:
Result Flagging Label: RIN: 8.40

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

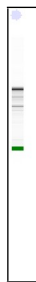
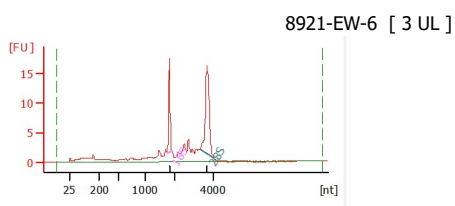
Created: 10/31/2022 10:49:02 AM
Modified: 10/31/2022 12:39:39 PM

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**

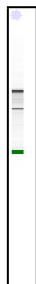
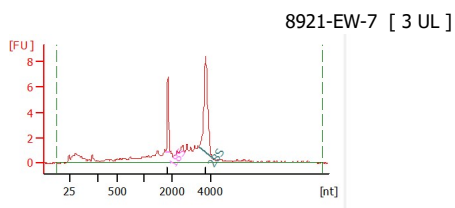
RNA Area: 104.8
RNA Concentration: 703 pg/μl
rRNA Ratio [28s / 18s]: 2.2
RNA Integrity Number (RIN): 8.5 (B.02.10)
Result Flagging Color:
Result Flagging Label: RIN: 8.50

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/μl
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