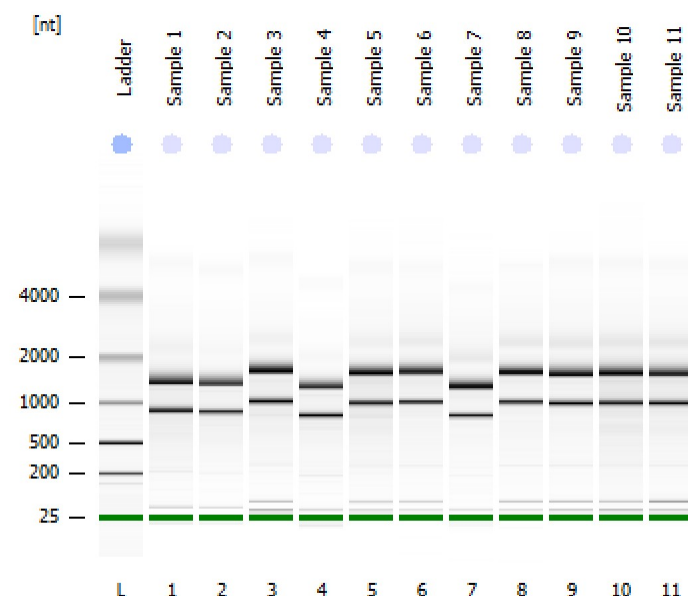


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE13701162\_2019-05-30\_17-59-52.xad

Created: 5/30/2019 5:59:51 PM  
Modified: 5/30/2019 6:22:45 PM

**Electrophoresis File Run Summary**Instrument Information:

Instrument Name: DE13701162

Firmware: C.01.069

Serial#: DE13701162

Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\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)

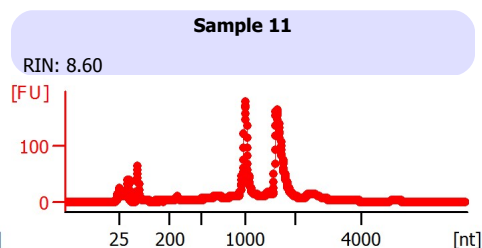
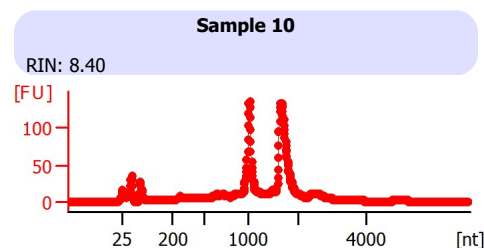
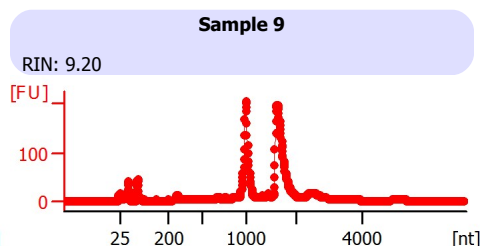
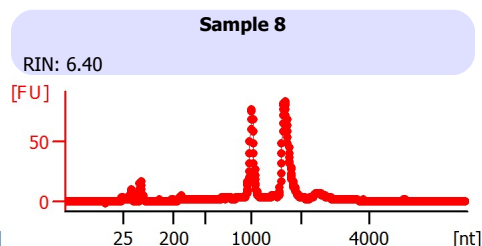
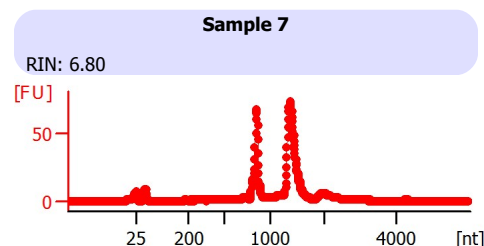
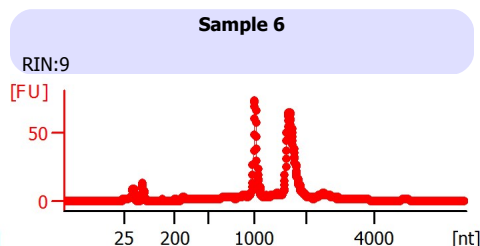
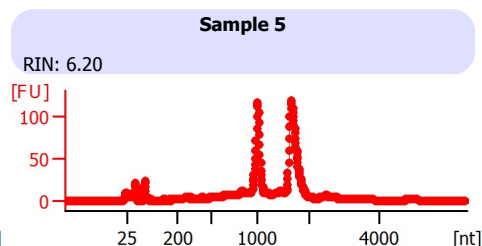
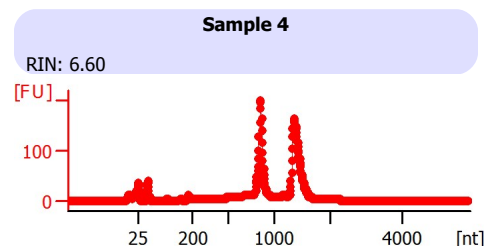
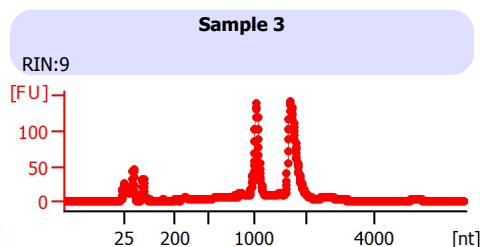
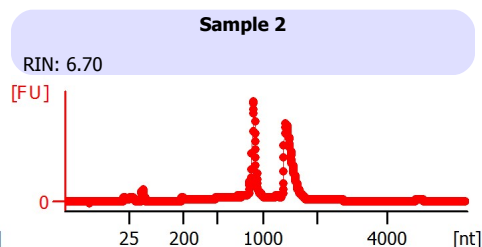
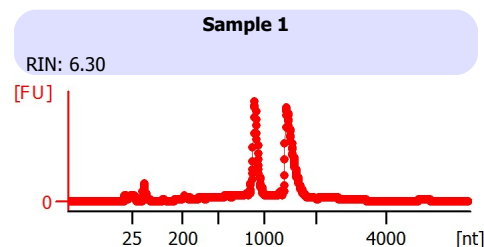
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE13701162\_2019-05-30\_17-59-52.xad

Created: 5/30/2019 5:59:51 PM  
Modified: 5/30/2019 6:22:45 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 6.30	
Sample 2		✓	RIN: 6.70	
Sample 3		✓	RIN:9	
Sample 4		✓	RIN: 6.60	
Sample 5		✓	RIN: 6.20	
Sample 6		✓	RIN:9	
Sample 7		✓	RIN: 6.80	
Sample 8		✓	RIN: 6.40	
Sample 9		✓	RIN: 9.20	
Sample 10		✓	RIN: 8.40	
Sample 11		✓	RIN: 8.60	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE13701162\_2019-05-30\_17-59-52.xad

Created: 5/30/2019 5:59:51 PM  
Modified: 5/30/2019 6:22:45 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/ $\mu$ l] : 1000

Lower Marker Concentration [pg/ $\mu$ l] : 0

Upper Marker Concentration [pg/ $\mu$ 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

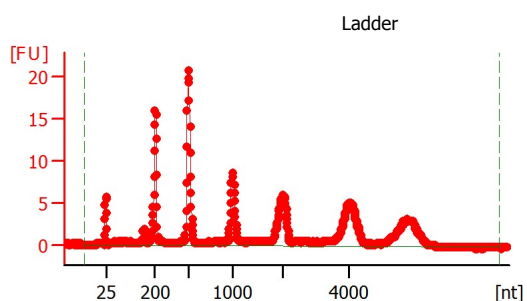
### Ladder

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\_DE13701162\_2019-05-30\_17-59-52.xad

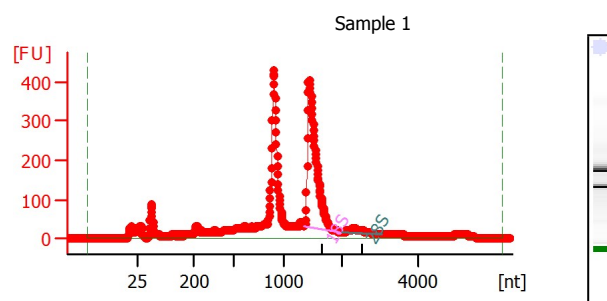
Created: 5/30/2019 5:59:51 PM  
 Modified: 5/30/2019 6:22:45 PM

## Electropherogram Summary



### Overall Results for Ladder

RNA Area: 137.5  
 RNA Concentration: 1,000 pg/μl  
 Result Flagging Color:    
 Result Flagging Label: All Other Samples

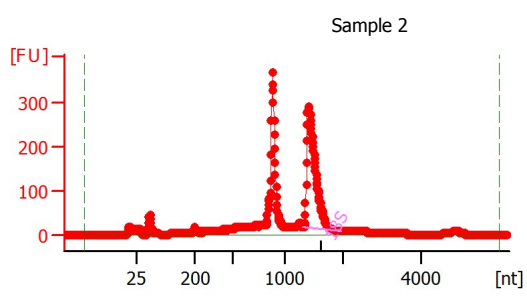


### Overall Results for sample 1 : Sample 1

RNA Area: 3,231.2  
 RNA Concentration: 23,492 pg/μl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 6.3 (B.02.08, Anomaly Threshold(s) manually adapted)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 6.30

### Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,356	1,963	942.4	29.2
28S	2,021	3,034	38.5	1.2

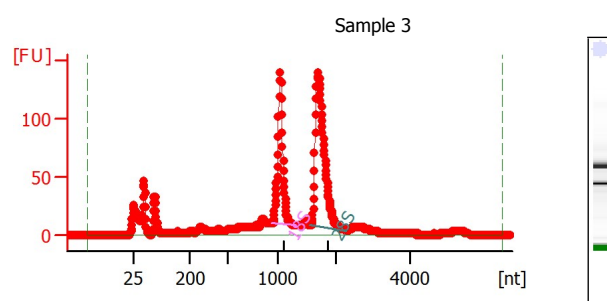


### Overall Results for sample 2 : Sample 2

RNA Area: 2,122.9  
 RNA Concentration: 15,434 pg/μl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 6.7 (B.02.08, Anomaly Threshold(s) manually adapted)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 6.70

### Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,321	1,965	693.0	32.6



### Overall Results for sample 3 : Sample 3

RNA Area: 1,082.8  
 RNA Concentration: 7,872 pg/μl  
 rRNA Ratio [28s / 18s]: 1.6  
 RNA Integrity Number (RIN): 9 (B.02.08, Anomaly Threshold(s) manually adapted)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9

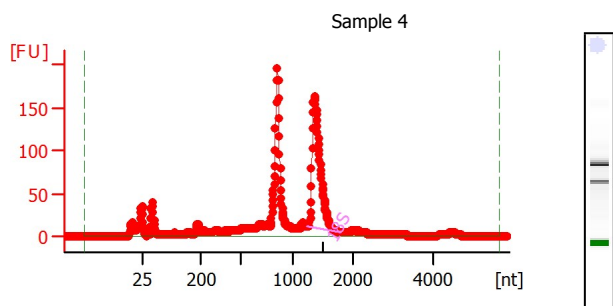
### Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	940	1,314	204.6	18.9
28S	1,564	2,294	337.2	31.1

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...Eukaryote Total RNA Pico\_DE13701162\_2019-05-30\_17-59-52.xad

Created: 5/30/2019 5:59:51 PM  
 Modified: 5/30/2019 6:22:45 PM

### Electropherogram Summary Continued ...

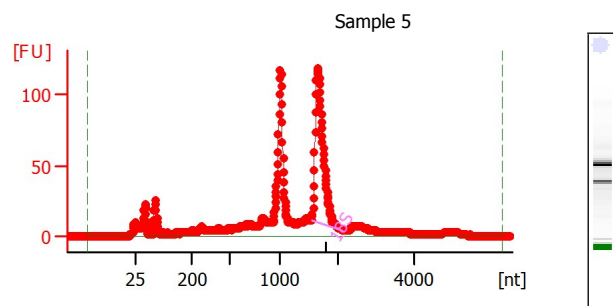


#### Overall Results for sample 4 : Sample 4

RNA Area: 1,186.6  
 RNA Concentration: 8,627 pg/μl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 6.6 (B.02.08, Anomaly Threshold(s) manually adapted)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 6.60

#### Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,223	1,795	354.2	29.9

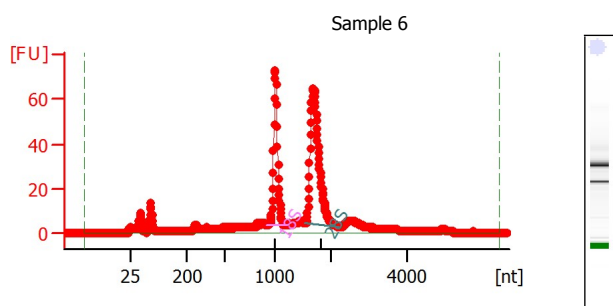


#### Overall Results for sample 5 : Sample 5

RNA Area: 902.2  
 RNA Concentration: 6,559 pg/μl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 6.2 (B.02.08, Anomaly Threshold(s) manually adapted)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 6.20

#### Fragment table for sample 5 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,538	2,106	249.2	27.6



#### Overall Results for sample 6 : Sample 6

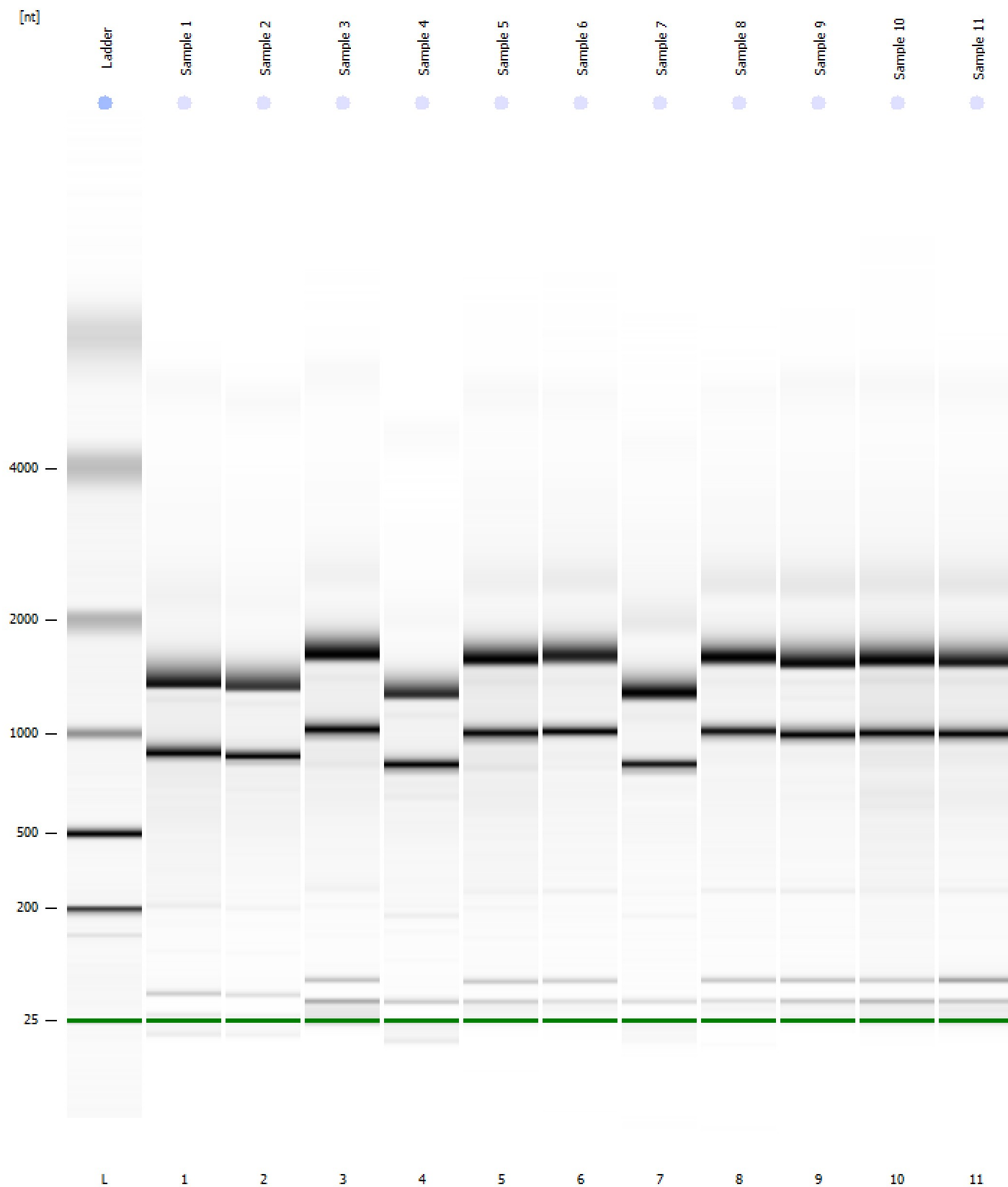
RNA Area: 469.7  
 RNA Concentration: 3,415 pg/μl  
 rRNA Ratio [28s / 18s]: 1.8  
 RNA Integrity Number (RIN): 9 (B.02.08, Anomaly Threshold(s) manually adapted)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9

#### Fragment table for sample 6 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	935	1,173	85.4	18.2
28S	1,548	2,205	152.1	32.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE13701162\_2019-05-30\_17-59-52.xad

Created: 5/30/2019 5:59:51 PM  
Modified: 5/30/2019 6:22:45 PM

**Gel Image**

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...Eukaryote Total RNA Pico\_DE13701162\_2019-05-30\_17-59-52.xad

Created: 5/30/2019 5:59:51 PM  
 Modified: 5/30/2019 6:22:45 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		5/30/2019 6:22:43 PM	(GMT --05:00) Central Standard Time	BD Accuri	BDAccuri-PC
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2019-05-30\2100 expert_Eukaryote Total RNA Pico_DE13701162_2019-05-30_17-59-52.xad)		Instrument	Run		5/30/2019 5:59:57 PM	(GMT --05:00) Central Standard Time	BD Accuri	BDAccuri-PC
Product Number : G2938B		Instrument	Run		5/30/2019 5:59:57 PM	(GMT --05:00) Central Standard Time	BD Accuri	BDAccuri-PC
Name :		Instrument	Run		5/30/2019 5:59:57 PM	(GMT --05:00) Central Standard Time	BD Accuri	BDAccuri-PC
Vendor : Agilent Technologies		Instrument	Run		5/30/2019 5:59:57 PM	(GMT --05:00) Central Standard Time	BD Accuri	BDAccuri-PC
Serial# : DE13701162		Instrument	Run		5/30/2019 5:59:57 PM	(GMT --05:00) Central Standard Time	BD Accuri	BDAccuri-PC
Firmware : C.01.069		Instrument	Run		5/30/2019 5:59:57 PM	(GMT --05:00) Central Standard Time	BD Accuri	BDAccuri-PC
Cartridge : Electrode		Instrument	Run		5/30/2019 5:59:57 PM	(GMT --05:00) Central Standard Time	BD Accuri	BDAccuri-PC