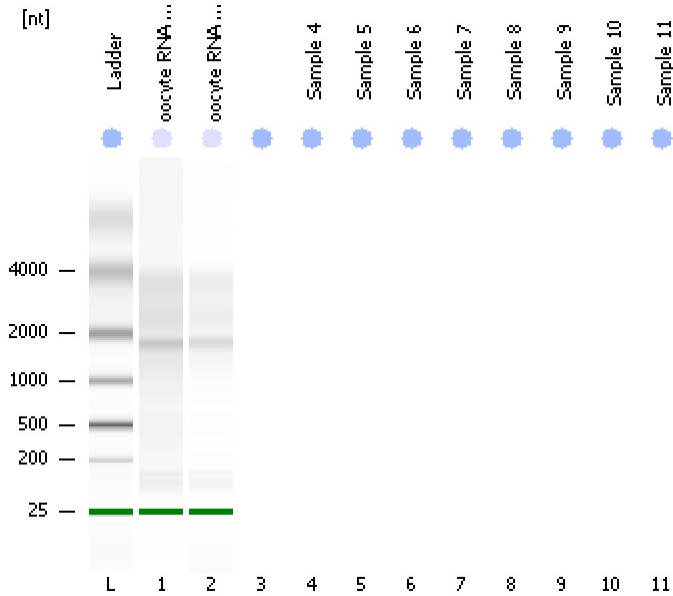


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-28\2017-02-28\_010.xad

Created: 2/28/2017 3:49:51 PM  
Modified: 2/28/2017 3:59:52 PM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      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:

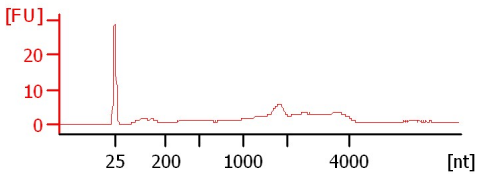
Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

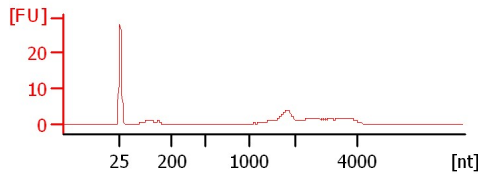
**oocyte RNA n=100**

RIN: 4.80



**oocyte RNA n=100**

RIN: 6.10



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-28\2017-02-28\_010.xad

Created: 2/28/2017 3:49:51 PM  
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**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
oocyte RNA n=100		✓	RIN: 4.80	
oocyte RNA n=100		✓	RIN: 6.10	
Sample 4				
Sample 5				
Sample 6				
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-28\2017-02-28\_010.xad

Created: 2/28/2017 3:49:51 PM  
Modified: 2/28/2017 3:59:52 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

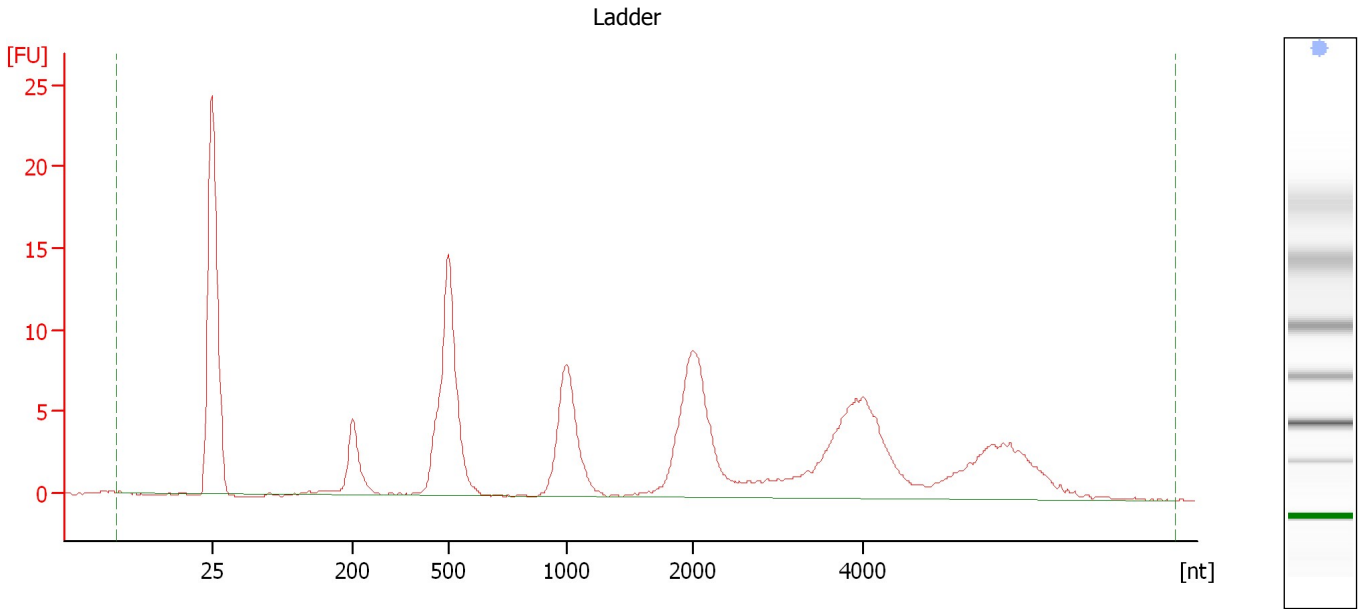
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-28\2017-02-28\_010.xad

Created: 2/28/2017 3:49:51 PM  
Modified: 2/28/2017 3:59:52 PM

**Electropherogram Summary**



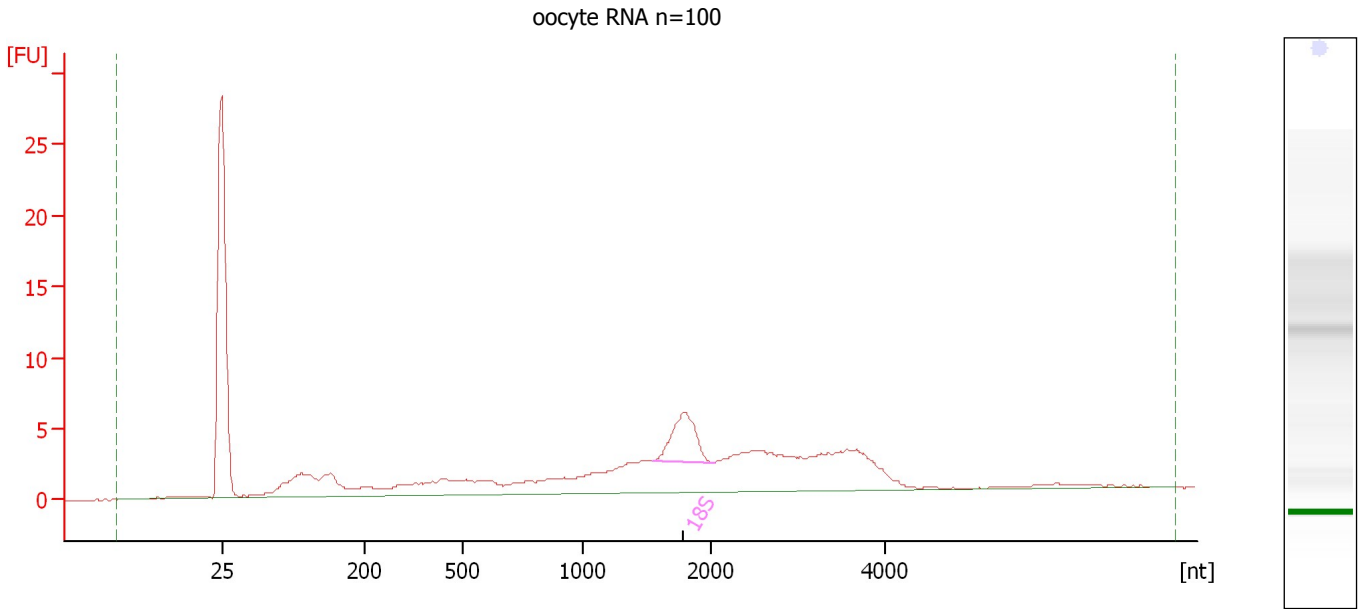
**Overall Results for Ladder**

RNA Area:	165.2	Result Flagging Color:	<span style="background-color: #ADD8E6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-28\2017-02-28\_010.xad

Created: 2/28/2017 3:49:51 PM  
Modified: 2/28/2017 3:59:52 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : oocyte RNA n=100**

RNA Area: 122.3 RNA Integrity Number (RIN): 4.8 (B.02.08)  
RNA Concentration: 740 µg/µl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN: 4.80

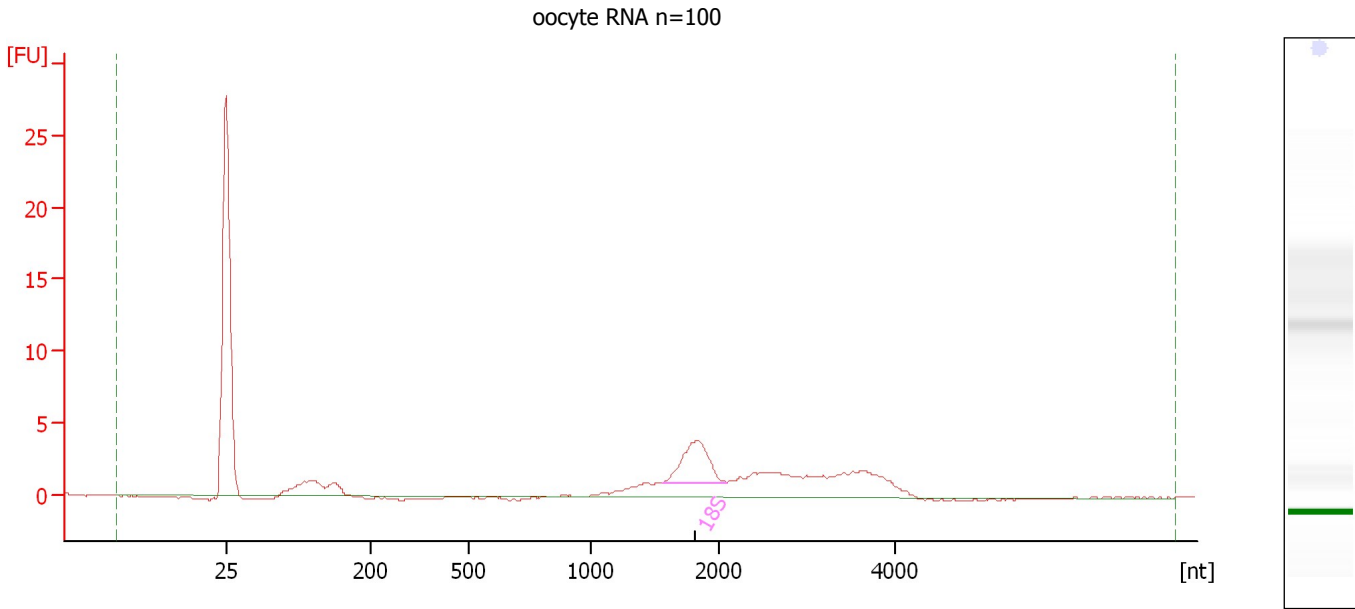
**Fragment table for sample 1 : oocyte RNA n=100**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,538	2,031	9.9	8.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-28\2017-02-28\_010.xad

Created: 2/28/2017 3:49:51 PM  
Modified: 2/28/2017 3:59:52 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : oocyte RNA n=100**

RNA Area: 50.0 RNA Integrity Number (RIN): 6.1 (B.02.08)  
RNA Concentration: 302 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN: 6.10

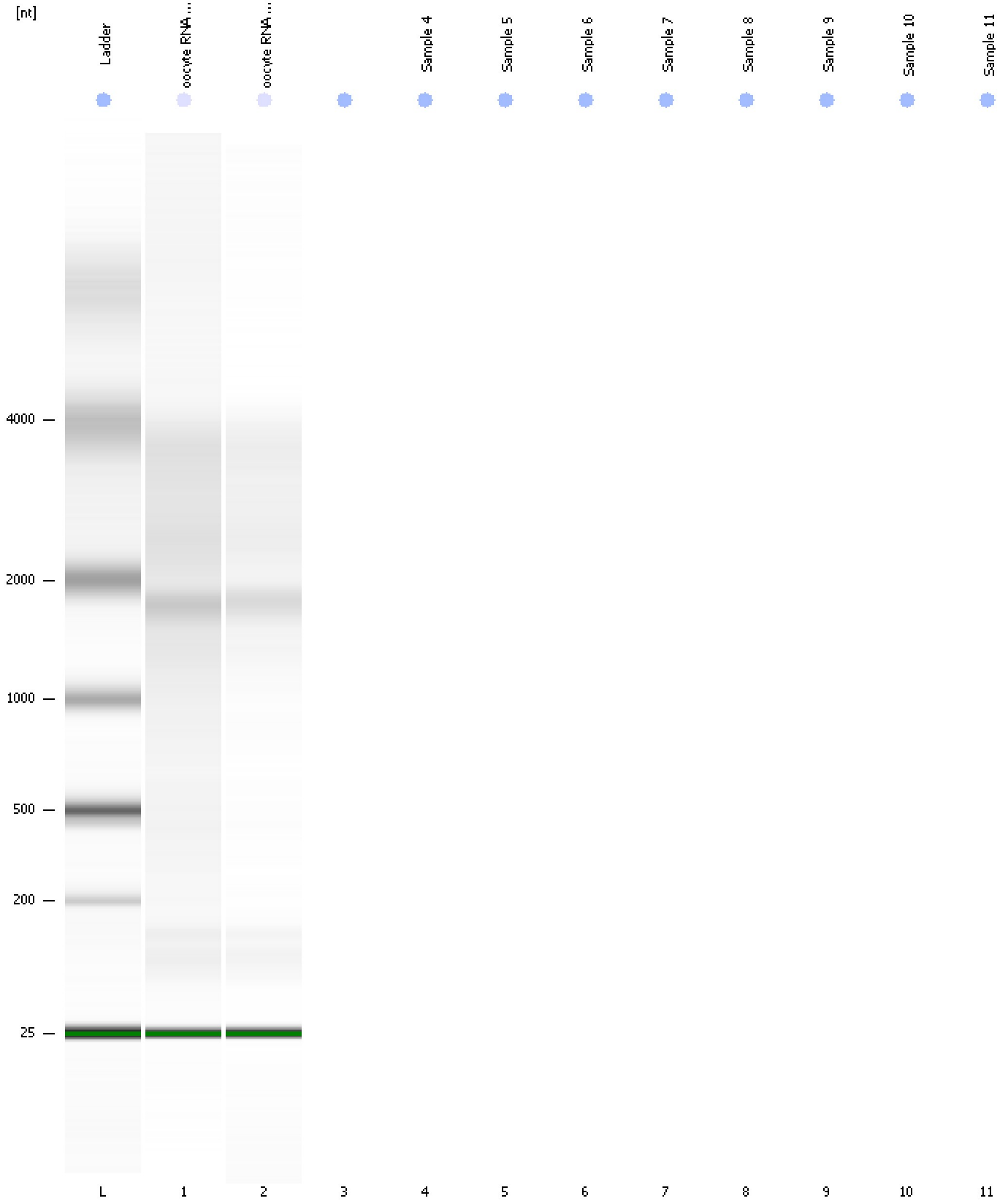
**Fragment table for sample 2 : oocyte RNA n=100**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,552	2,082	8.8	17.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-28\2017-02-28\_010.xad

Created: 2/28/2017 3:49:51 PM  
Modified: 2/28/2017 3:59:52 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-28\2017-02-28\_010.xad

Created: 2/28/2017 3:49:51 PM  
Modified: 2/28/2017 3:59:52 PM

**Invalid Samples**

- Sample 3 has not been run, no results available.
- Sample 4 has not been run, no results available.
- Sample 5 has not been run, no results available.
- Sample 6 has not been run, no results available.
- Sample 7 has not been run, no results available.
- Sample 8 has not been run, no results available.
- Sample 9 has not been run, no results available.
- Sample 10 has not been run, no results available.
- Sample 11 has not been run, no results available.



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-28\2017-02-28\_010.xad

Created: 2/28/2017 3:49:51 PM  
 Modified: 2/28/2017 3:59:52 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 3)		Instrument	Run		2/28/2017 3:59:52 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2017-02-28\2017-02-28_010.xad)		Instrument	Run		2/28/2017 3:49:56 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		2/28/2017 3:49:56 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		2/28/2017 3:49:56 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		2/28/2017 3:49:56 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		2/28/2017 3:49:56 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		2/28/2017 3:49:56 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		2/28/2017 3:49:56 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1