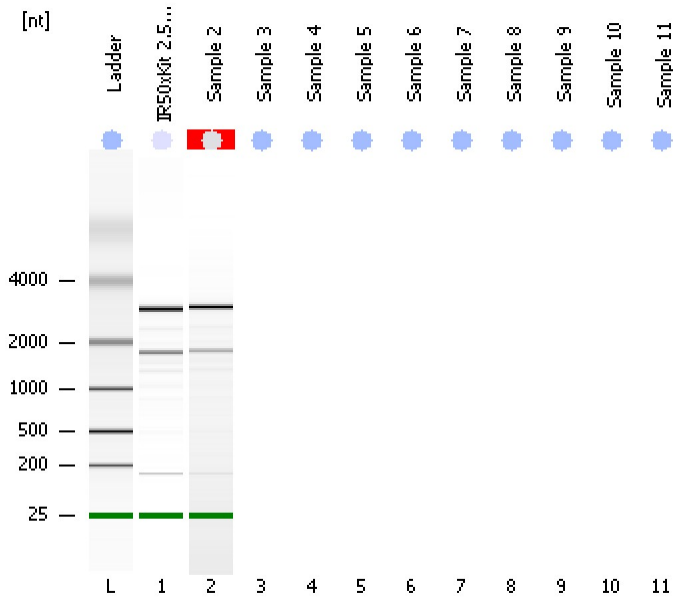


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16\_002.xad

Created: 4/16/2015 3:34:49 PM  
Modified: 4/16/2015 3:46:11 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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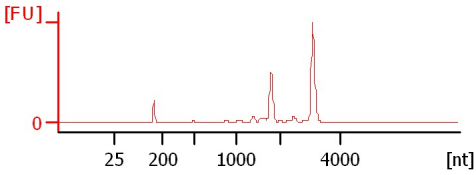
Chip Information:

Chip Lot #:

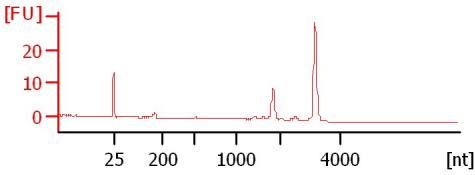
Reagent Kit Lot #:

Chip Comments:

**IR50xKit 2.5h rep1**  
RIN: 8.80



**Sample 2**  
RIN N/A



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16\_002.xad

Created: 4/16/2015 3:34:49 PM  
 Modified: 4/16/2015 3:46:11 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
IR50xKit 2.5h rep1		✓	RIN: 8.80	
Sample 2		✓	RIN N/A	
Sample 3				
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:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16\_002.xad

Created: 4/16/2015 3:34:49 PM  
Modified: 4/16/2015 3:46:11 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

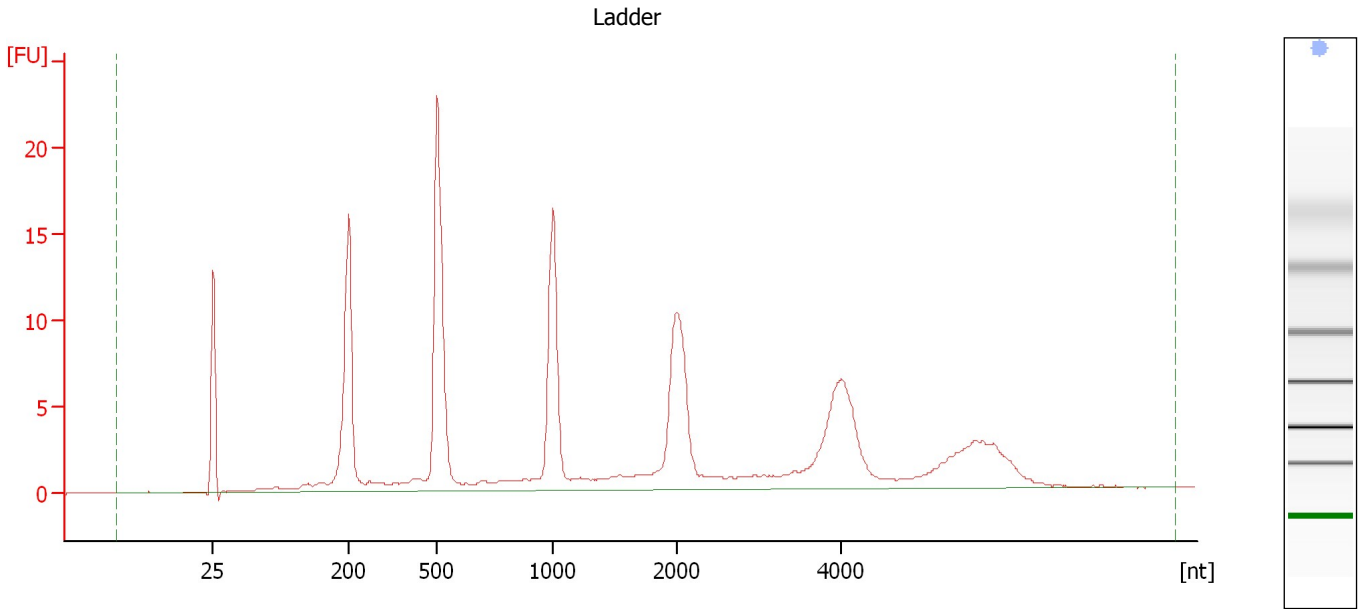
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16\_002.xad

Created: 4/16/2015 3:34:49 PM  
Modified: 4/16/2015 3:46:11 PM

**Electropherogram Summary**



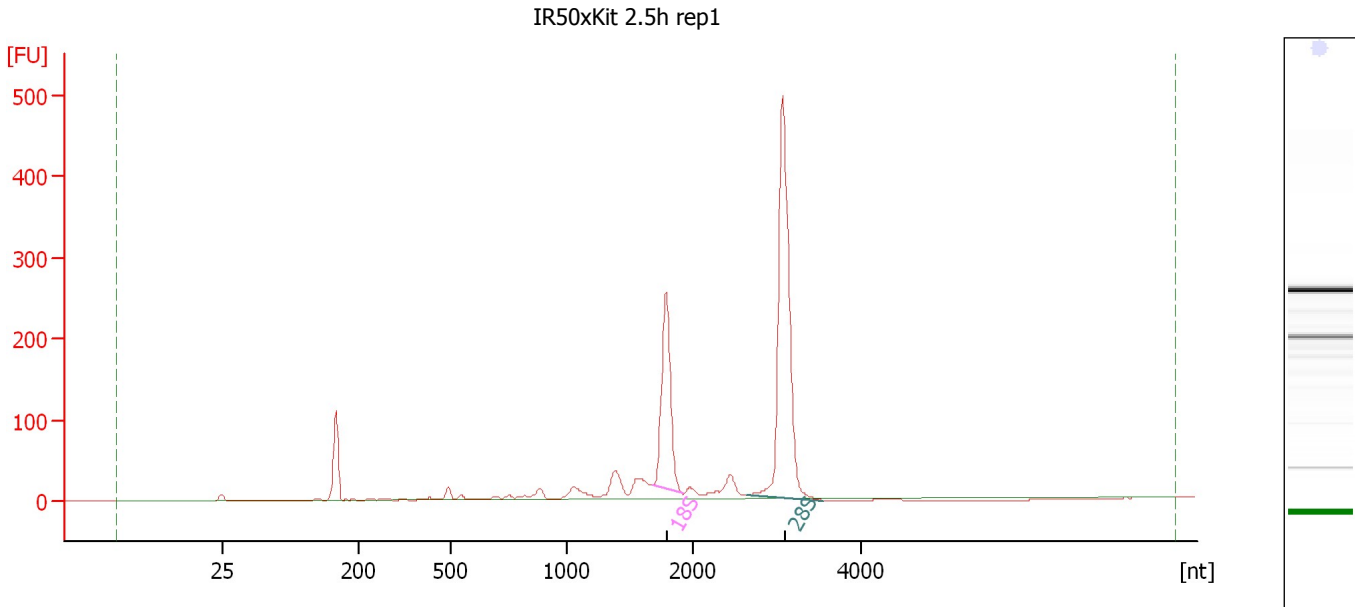
**Overall Results for Ladder**

RNA Area:	158.8	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:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16\_002.xad

Created: 4/16/2015 3:34:49 PM  
Modified: 4/16/2015 3:46:11 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : IR50xKit 2.5h rep1**

RNA Area: 1,251.8                      RNA Integrity Number (RIN): 8.8 (B.02.08)  
RNA Concentration: 7,884 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.1                      Result Flagging Label: RIN: 8.80

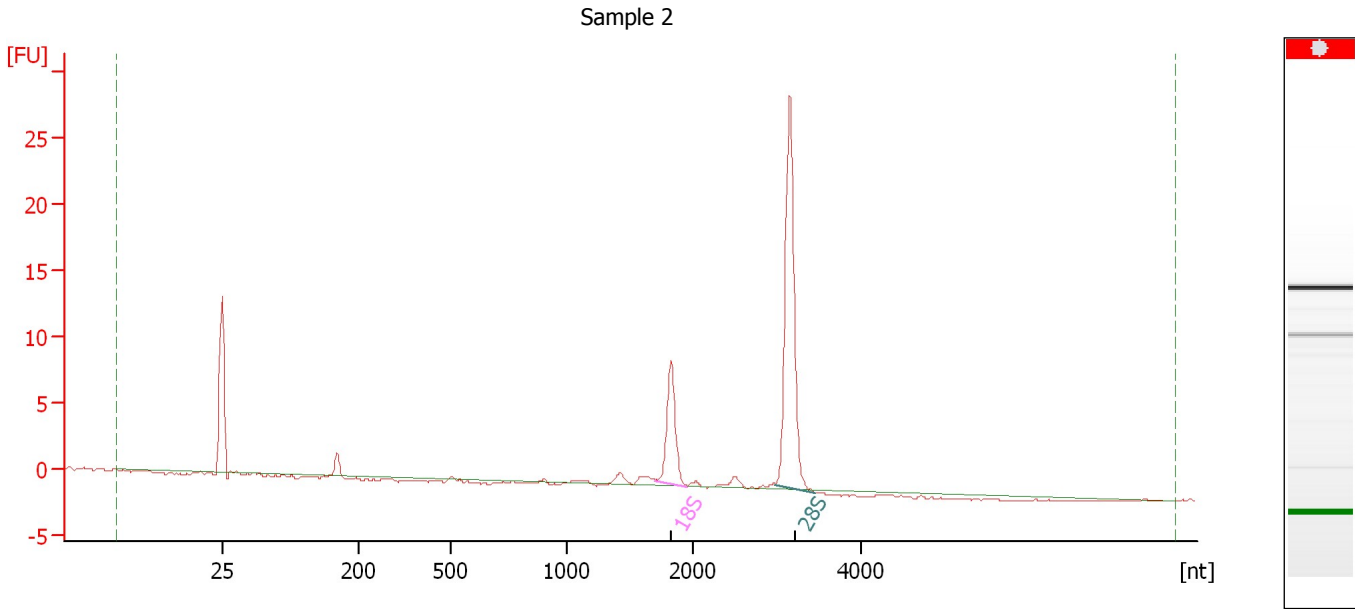
**Fragment table for sample 1 : IR50xKit 2.5h rep1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,684	1,913	261.4	20.9
28S	2,635	3,542	557.3	44.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16\_002.xad

Created: 4/16/2015 3:34:49 PM  
Modified: 4/16/2015 3:46:11 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Sample 2**

RNA Area: 42.7 RNA Integrity Number (RIN): N/A (B.02.08)  
RNA Concentration: 269 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.9 Result Flagging Label: RIN N/A

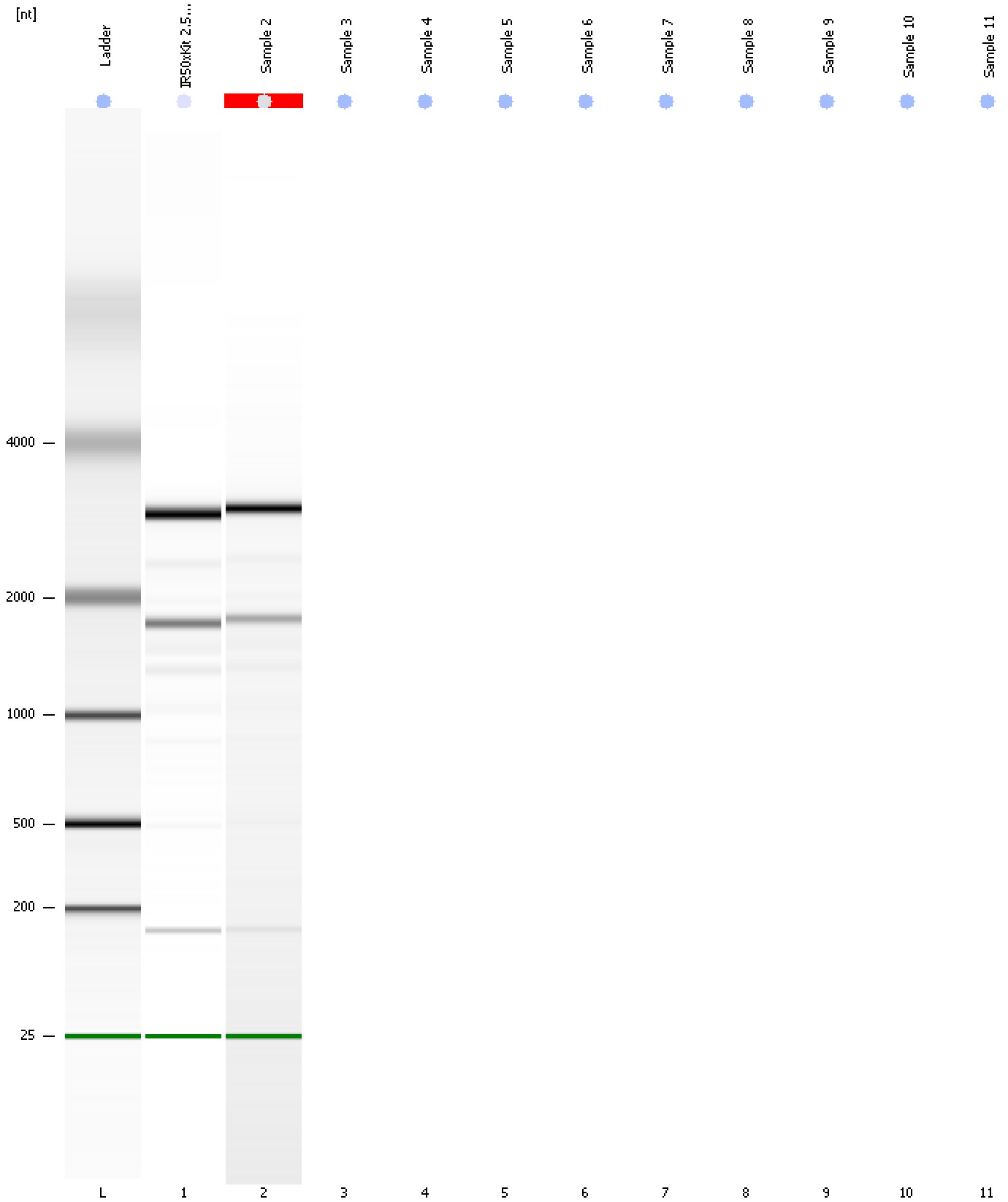
**Fragment table for sample 2 : Sample 2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,701	1,955	9.3	21.8
28S	2,980	3,466	27.0	63.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16\_002.xad

Created: 4/16/2015 3:34:49 PM  
Modified: 4/16/2015 3:46:11 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16\_002.xad

Created: 4/16/2015 3:34:49 PM  
Modified: 4/16/2015 3:46:11 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:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16\_002.xad

Created: 4/16/2015 3:34:49 PM  
 Modified: 4/16/2015 3:46:11 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		4/16/2015 3:44:50 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-04-16\2015-04-16_002.xad)		Instrument	Run		4/16/2015 3:34:54 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/16/2015 3:34:54 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/16/2015 3:34:54 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/16/2015 3:34:54 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/16/2015 3:34:54 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/16/2015 3:34:54 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/16/2015 3:34:54 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1