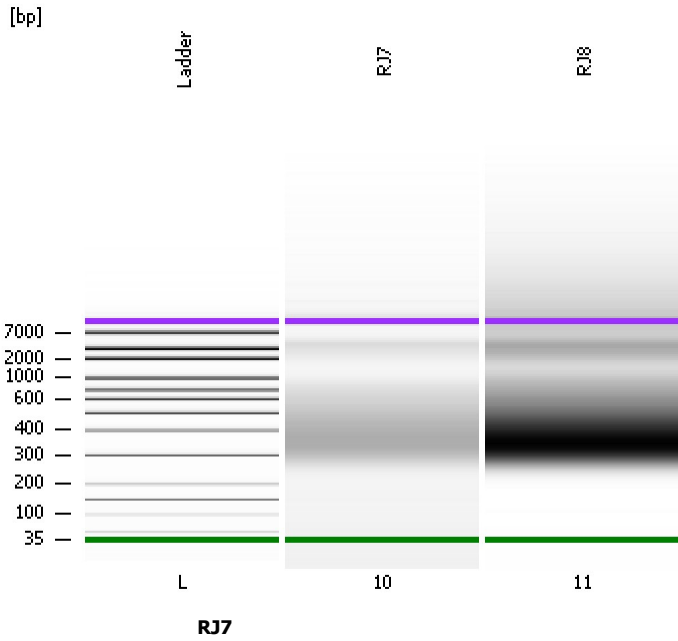


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...yzer\2100 expert\data\2014-05-15\2014-05-15\_003\_RJ7-RJ8.xad

Created: 5/15/2014 11:56:07 AM  
Modified: 5/15/2014 12:54:06 PM

**Electrophoresis File Run Summary**



Instrument Information:

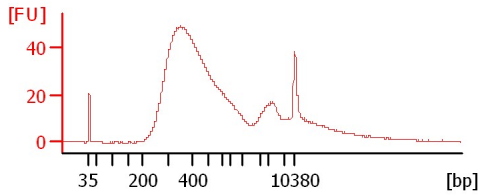
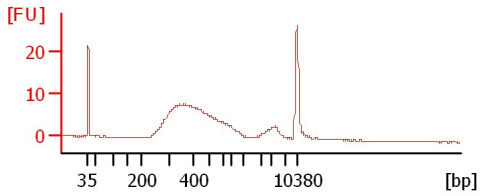
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy  
Assay Class: High Sensitivity DNA Assay  
Version: 1.03  
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

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



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...yzer\2100 expert\data\2014-05-15\2014-05-15\_003\_RJ7-RJ8.xad

Created: 5/15/2014 11:56:07 AM  
Modified: 5/15/2014 12:54:06 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
RJ7		<input type="checkbox"/>				
RJ8		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

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

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...yzer\2100 expert\data\2014-05-15\2014-05-15\_003\_RJ7-RJ8.xad

Created: 5/15/2014 11:56:07 AM  
Modified: 5/15/2014 12:54:06 PM

**Electrophoresis Assay Details**

**General Analysis Settings**

Number of Available Sample and Ladder Wells (Max.) : 12  
Minimum Visible Range [s] : 32  
Maximum Visible Range [s] : 138  
Start Analysis Time Range [s] : 33  
End Analysis Time Range [s] : 137.5  
Ladder Concentration [pg/μl] : 1950  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [pg/μl] : 125  
Upper Marker Concentration [pg/μl] : 75  
Used Upper Marker for Quantitation  
Standard Curve Fit is Point to Point  
Show Data Aligned to Lower and Upper Marker

**Integrator Settings**

Integration Start Time [s] : 33.05  
Integration End Time [s] : 137  
Slope Threshold : 0.8  
Height Threshold [FU] : 5  
Area Threshold : 0.1  
Width Threshold [s] : 0.6  
Baseline Plateau [s] : 0.5

**Filter Settings**

Filter Width [s] : 0.5  
Polynomial Order : 4

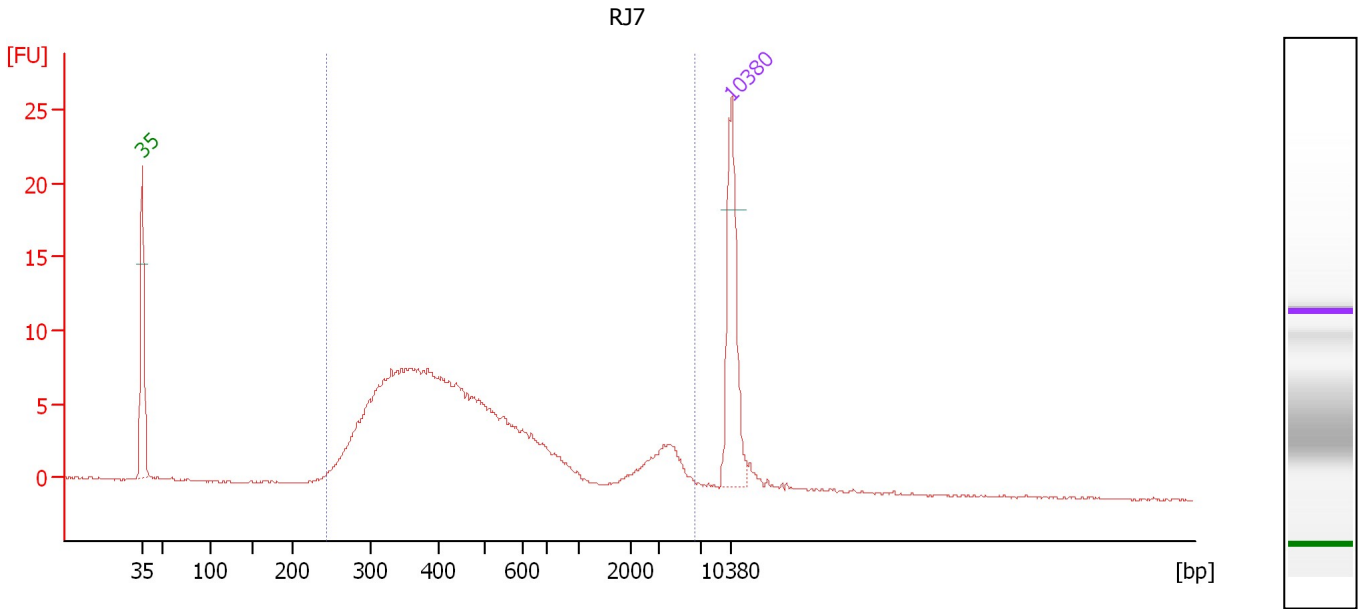
**Ladder**

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...yzer\2100 expert\data\2014-05-15\2014-05-15\_003\_RJ7-RJ8.xad

Created: 5/15/2014 11:56:07 AM  
 Modified: 5/15/2014 12:54:06 PM

**Electropherogram Summary**



**Overall Results for sample 10 : RJ7**

Number of peaks found: 0                      Corr. Area 1: 189.0  
 Noise: 0.1

**Peak table for sample 10 : RJ7**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

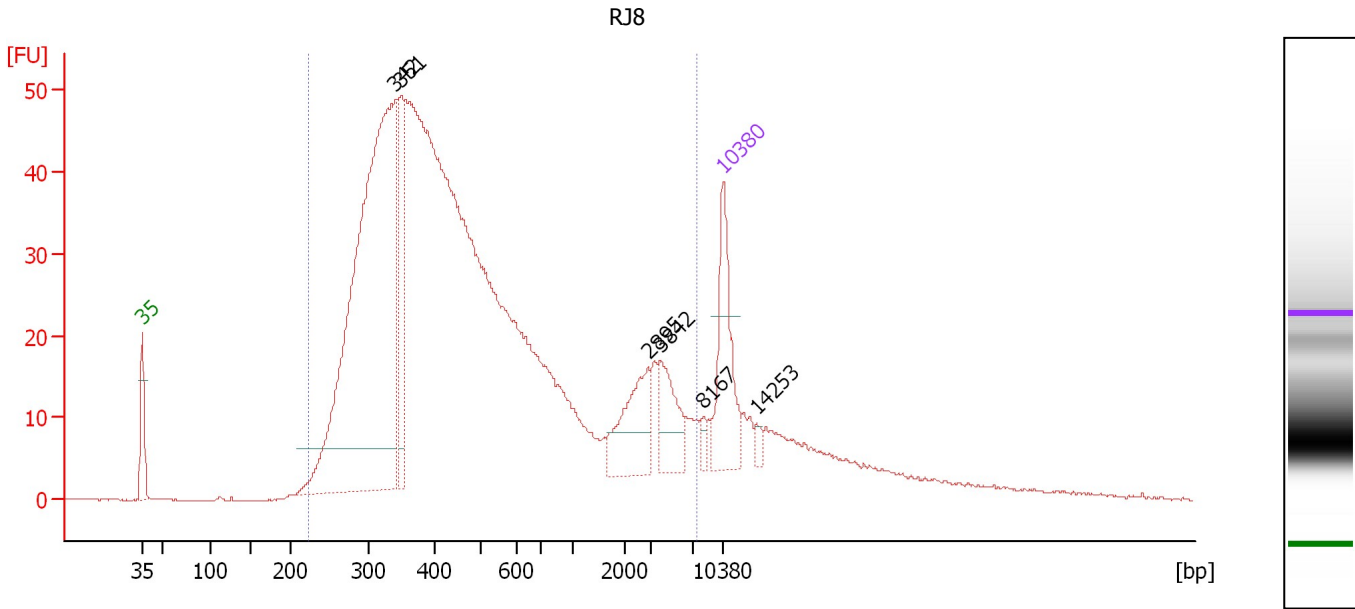
**Region table for sample 10 : RJ7**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
244	6,345	748	2,488.3	680.15	189.0	96	100.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...yzer\2100 expert\data\2014-05-15\2014-05-15\_003\_RJ7-RJ8.xad

Created: 5/15/2014 11:56:07 AM  
 Modified: 5/15/2014 12:54:06 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : RJ8**

Number of peaks found: 6                      Corr. Area 1: 1,218.3  
 Noise: 0.1

**Peak table for sample 11 : RJ8**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	342	750.35	3,325.4	
3	351	107.36	463.8	
4	2,895	65.07	34.1	
5	3,842	47.83	18.9	
6	8,167	7.02	1.3	
7	10,380	75.00	10.9	Upper Marker
8	14,253	0.00	0.0	

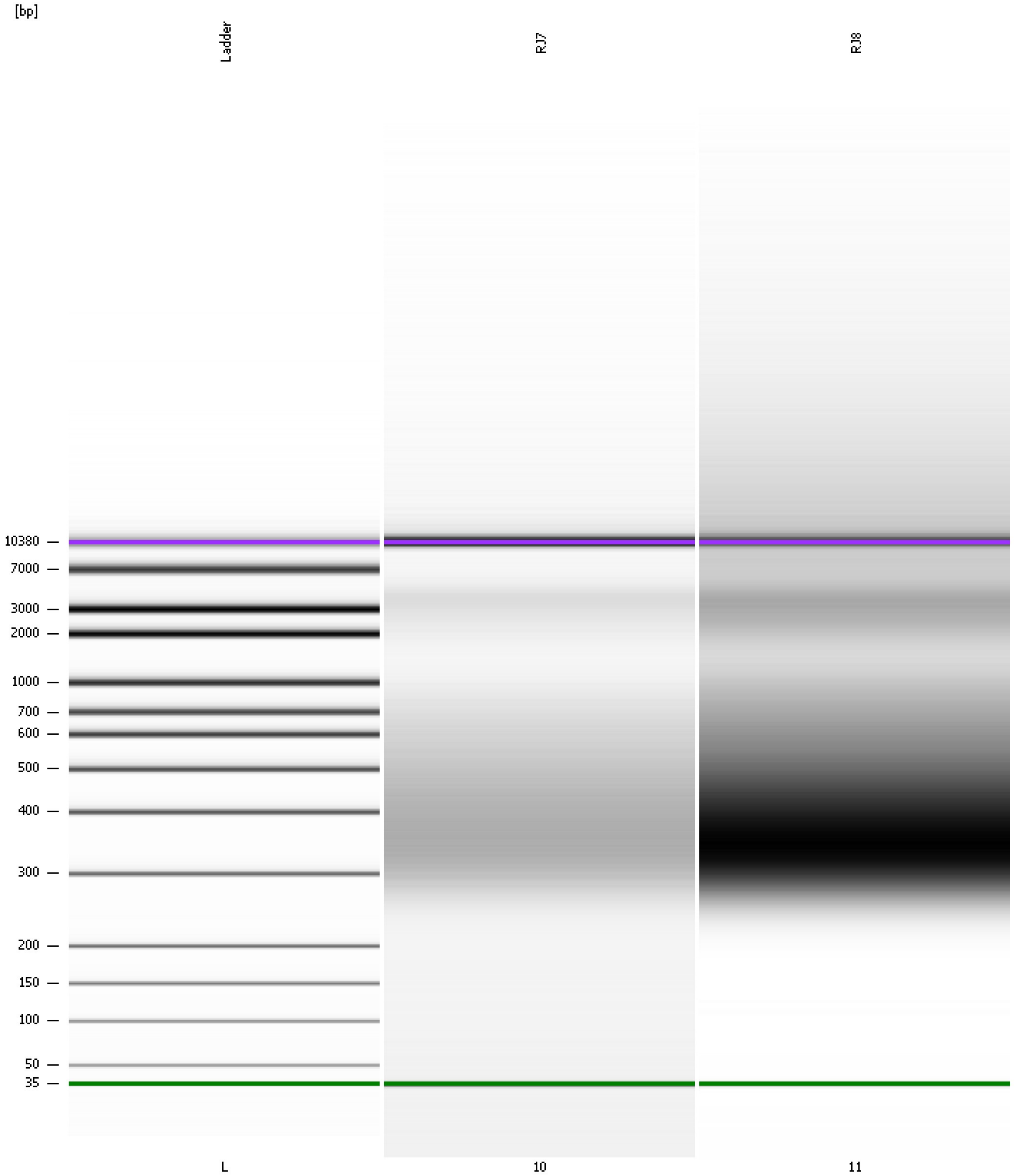
**Region table for sample 11 : RJ8**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
223	7,297	865	9,219.6	2,526.79	1,218.3	90	100.0

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...yzer\2100 expert\data\2014-05-15\2014-05-15\_003\_RJ7-RJ8.xad

Created: 5/15/2014 11:56:07 AM  
Modified: 5/15/2014 12:54:06 PM

**Gel Image**

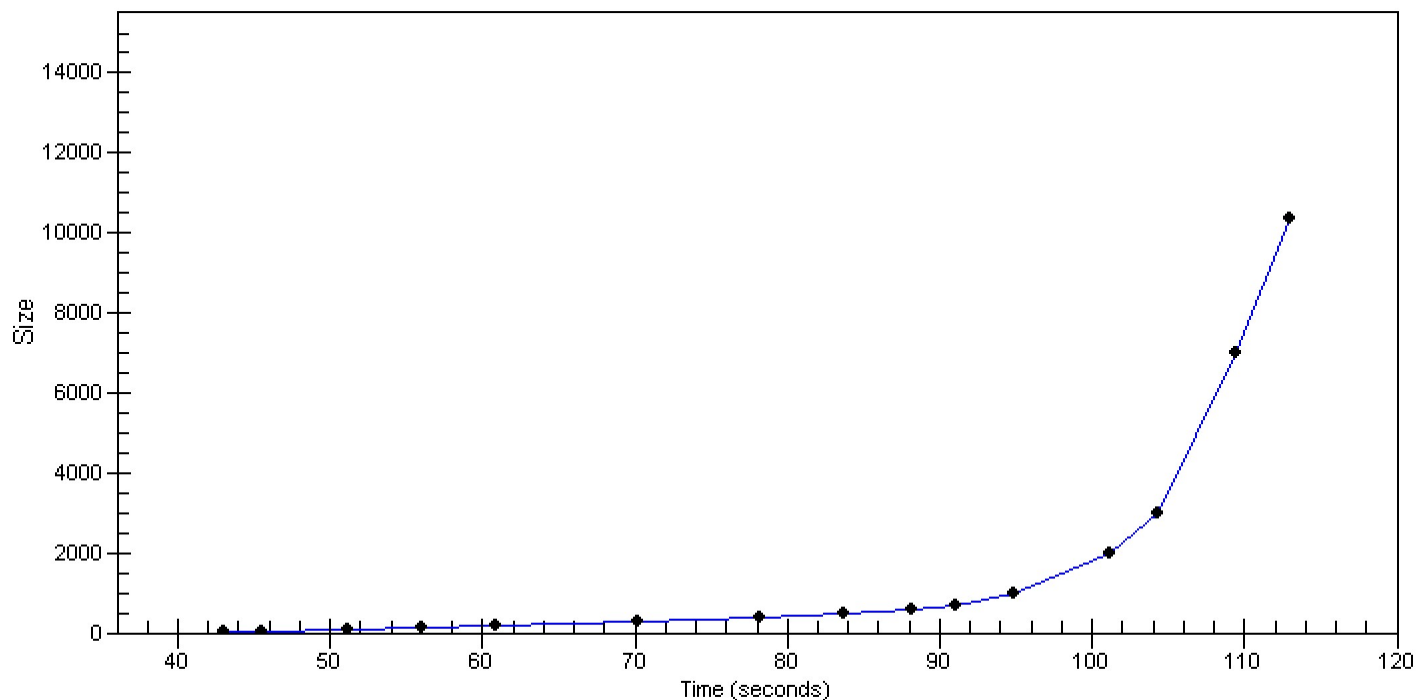


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...yzer\2100 expert\data\2014-05-15\2014-05-15\_003\_RJ7-RJ8.xad

Created: 5/15/2014 11:56:07 AM  
Modified: 5/15/2014 12:54:06 PM

**Curves**

**Standard Curve**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...yzer\2100 expert\data\2014-05-15\2014-05-15\_003\_RJ7-RJ8.xad  
 Created: 5/15/2014 11:56:07 AM  
 Modified: 5/15/2014 12:54:06 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		5/15/2014 12:36:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15_003.xad)		Instrument	Run		5/15/2014 11:56:07 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		5/15/2014 11:56:07 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/15/2014 11:56:07 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/15/2014 11:56:07 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		5/15/2014 11:56:07 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/15/2014 11:56:07 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/15/2014 11:56:07 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1