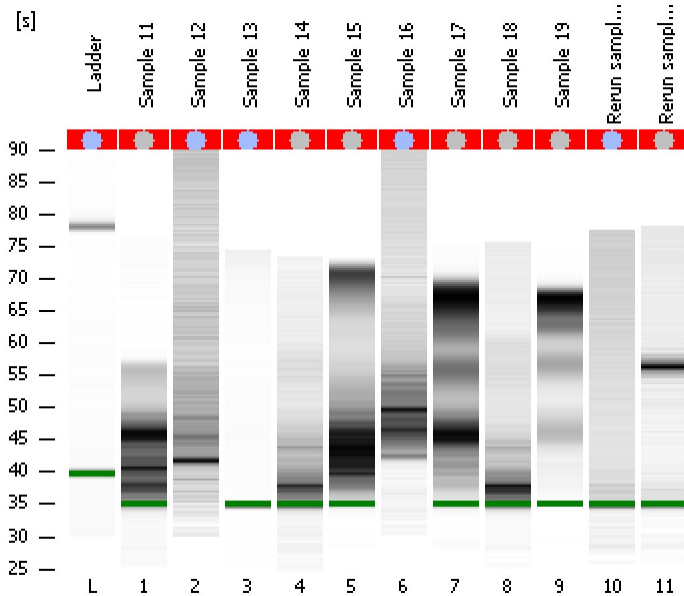Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-20\2015-01-20_001.xad

Created: 1/20/2015 10:25:08 AM
Modified: 1/20/2015 10:57:09 AM

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\Small RNA Series II.xsy
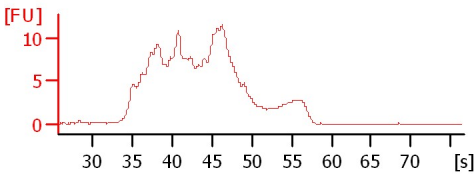
Assay Class: Small RNA

Version: 1.2

Assay Comments: Small RNA Analysis 6 - 150 nucleotides

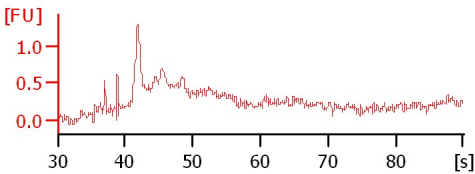© Copyright 2007 - 2009 Agilent Technologies, Inc.

Chip Information:
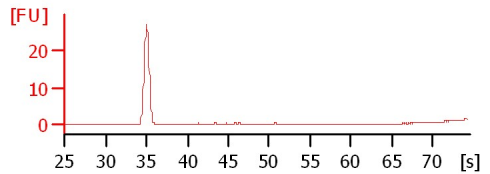
Chip Lot #:

Reagent Kit Lot #:
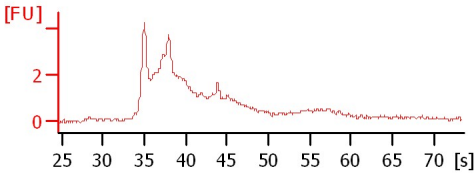
Chip Comments:

Sample 11
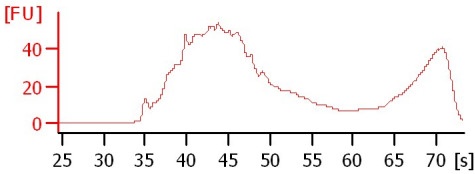Number of Peaks: 12

Sample 12
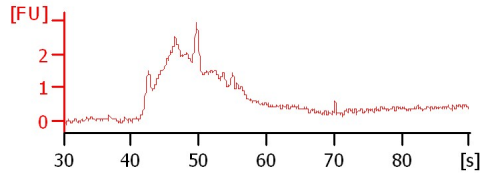All Other Samples

Sample 13
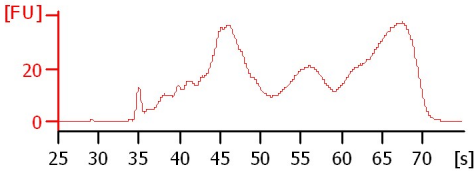All Other Samples

Sample 14
Number of Peaks: 1
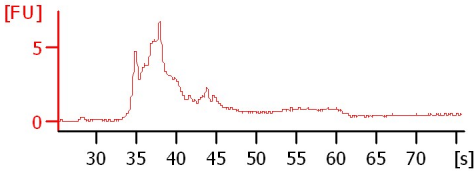
Sample 15
Number of Peaks: 23
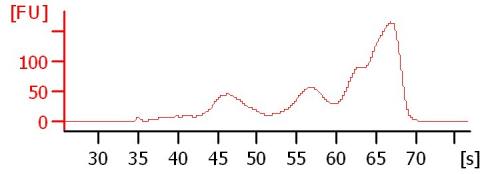
Sample 16
All Other Samples

Sample 17
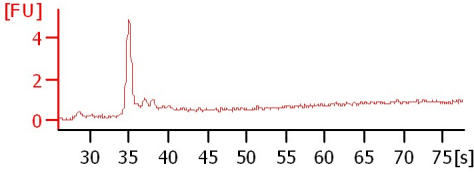Number of Peaks: 17

Sample 18
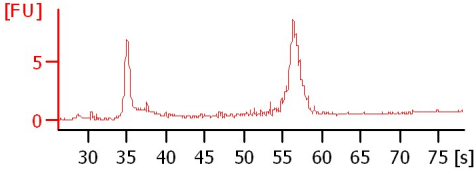Number of Peaks: 3

Sample 19
Number of Peaks: 12

Rerun sample 4
All Other Samples

Rerun sample1
Number of Peaks: 3

Assay Class: Small RNA   Created: 1/20/2015 10:25:08 AM
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-20\2015-01-20_001.xad   Modified: 1/20/2015 10:57:09 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 11		✔	Number of Peaks: 12	
Sample 12		✔	All Other Samples	
Sample 13		✔	All Other Samples	
Sample 14		✔	Number of Peaks: 1	
Sample 15		✔	Number of Peaks: 23	
Sample 16		✔	All Other Samples	
Sample 17		✔	Number of Peaks: 17	
Sample 18		✔	Number of Peaks: 3	
Sample 19		✔	Number of Peaks: 12	
Rerun sample 4		✔	All Other Samples	
Rerun sample1		✔	Number of Peaks: 3	
Ladder		✔	All Other Samples	

Chip Lot #   **Reagent Kit Lot #**

Chip Comments :

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-20\2015-01-20_001.xad

Created: 1/20/2015 10:25:08 AM
Modified: 1/20/2015 10:57:09 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 30
Maximum Visible Range [s] : 90
Start Analysis Time Range [s] : 31
End Analysis Time Range [s] : 89
Ladder Concentration [pg/µl] : 2500
Lower Marker Concentration [pg/µl] : 500
Upper Marker Concentration [pg/µl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 30
Integration End Time [s] : 89
Slope Threshold : 0.6
Height Threshold [FU] : 3
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 60

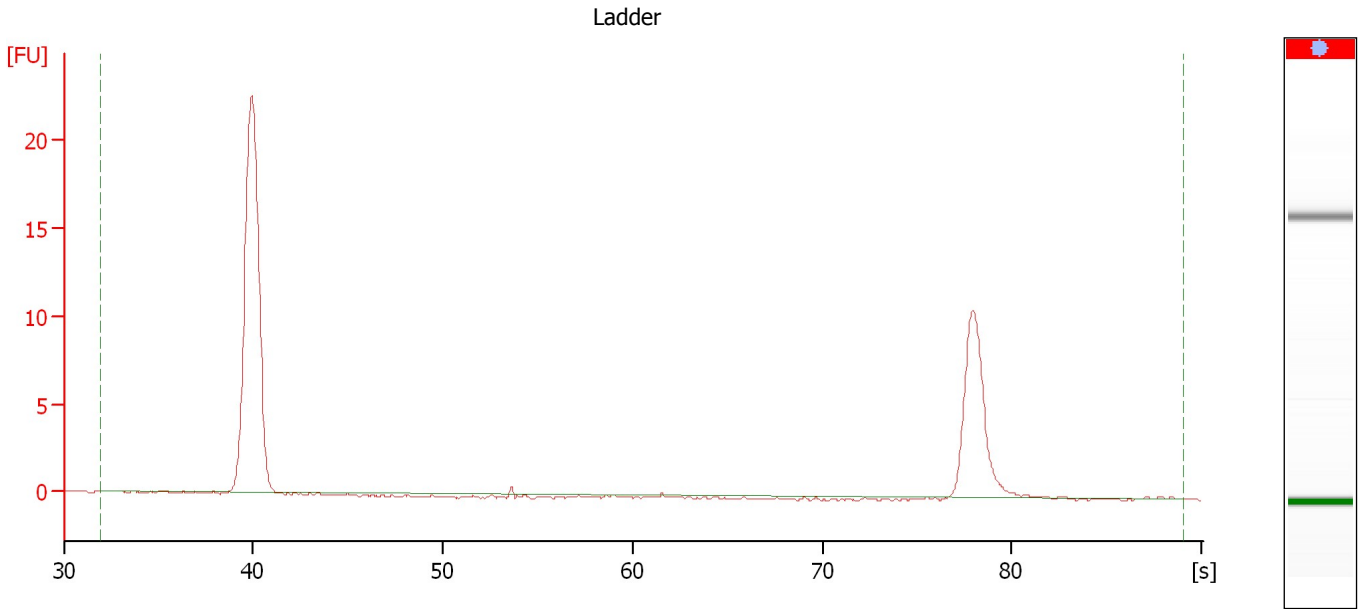**Filter Settings**

Filter Width [s] : 0.5
Polynomial Order : 4

Ladder

Ladder Peak	Size
1	4
2	20
3	40
4	60
5	80
6	100
7	150

Assay Class: Small RNA   Created: 1/20/2015 10:25:08 AM
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-20\2015-01-20_001.xad   Modified: 1/20/2015 10:57:09 AM

Electropherogram Summary

Ladder

Overall Results for Ladder
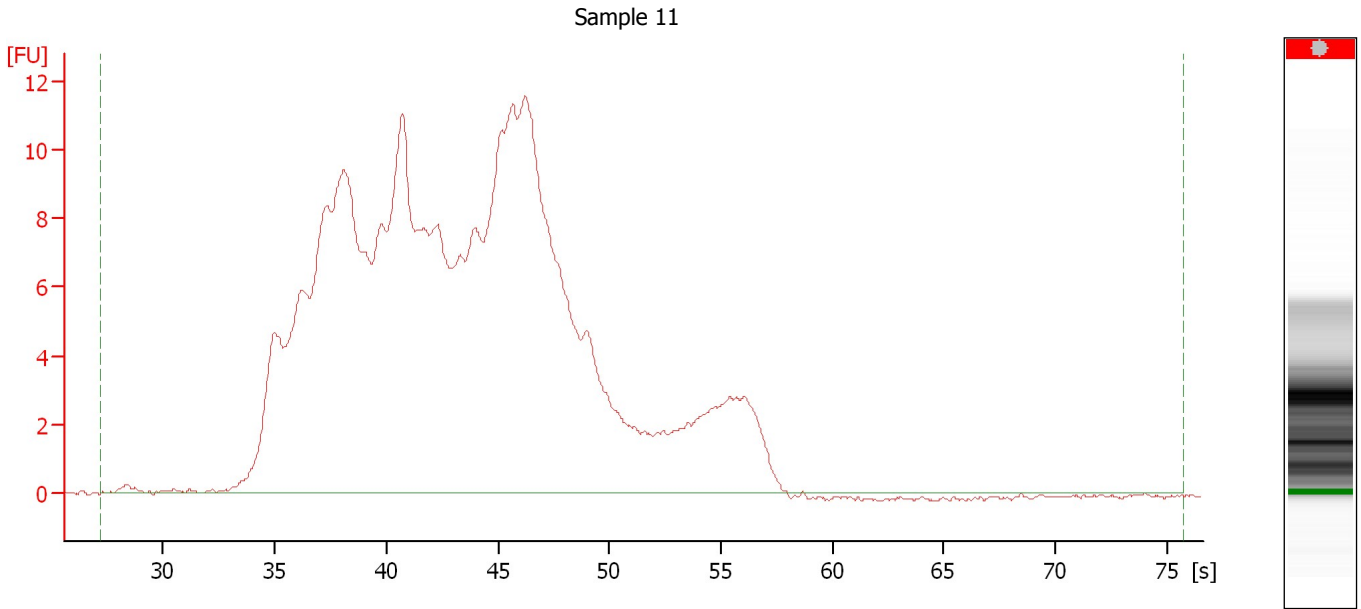
Result Flagging Color: Result Flagging Label: All Other Samples
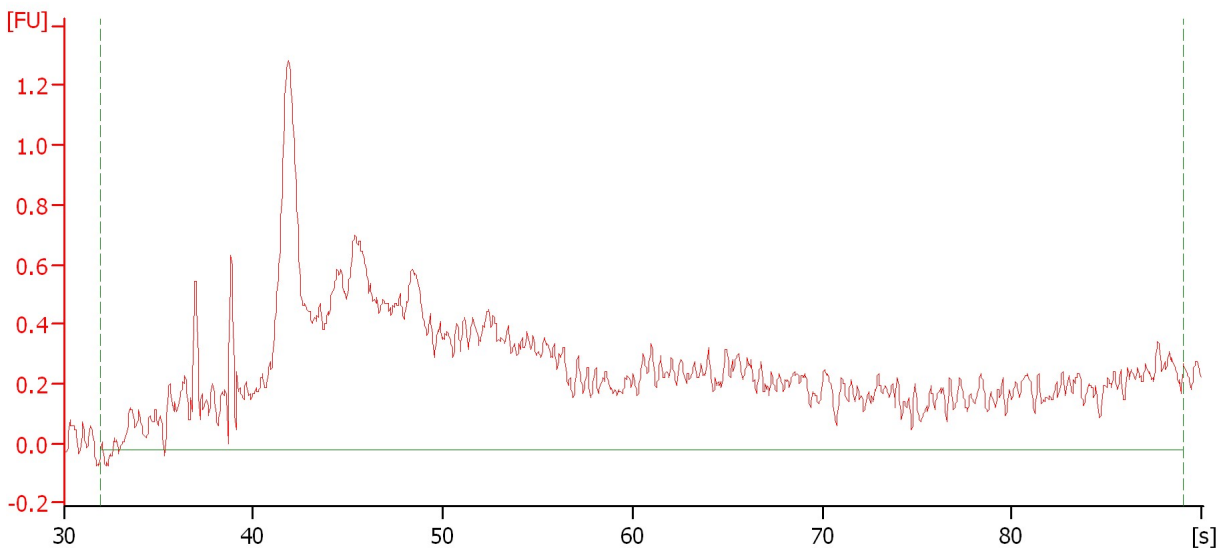
Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-20\2015-01-20_001.xad

Created: 1/20/2015 10:25:08 AM
Modified: 1/20/2015 10:57:09 AM

Electropherogram Summary Continued ...

Sample 11

Overall Results for sample 1 :   Sample 11

Result Flagging Color: Result Flagging Label: Number of Peaks: 12

Assay Class: Small RNA	Created: 1/20/2015 10:25:08 AM
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-20\2015-01-20_001.xad	Modified: 1/20/2015 10:57:09 AM

Electropherogram Summary Continued ...

Sample 12

Overall Results for sample 2 :   Sample 12

Result Flagging Color: Result Flagging Label: All Other Samples

Electropherogram Summary Continued ...

Sample 13

Overall Results for sample 3 :   __Sample 13__

Result Flagging Color: Result Flagging Label: All Other Samples

Assay Class: Small RNA   Created: 1/20/2015 10:25:08 AM
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-20\2015-01-20_001.xad   Modified: 1/20/2015 10:57:09 AM

Electpherogram Summary Continued ...

Sample 14

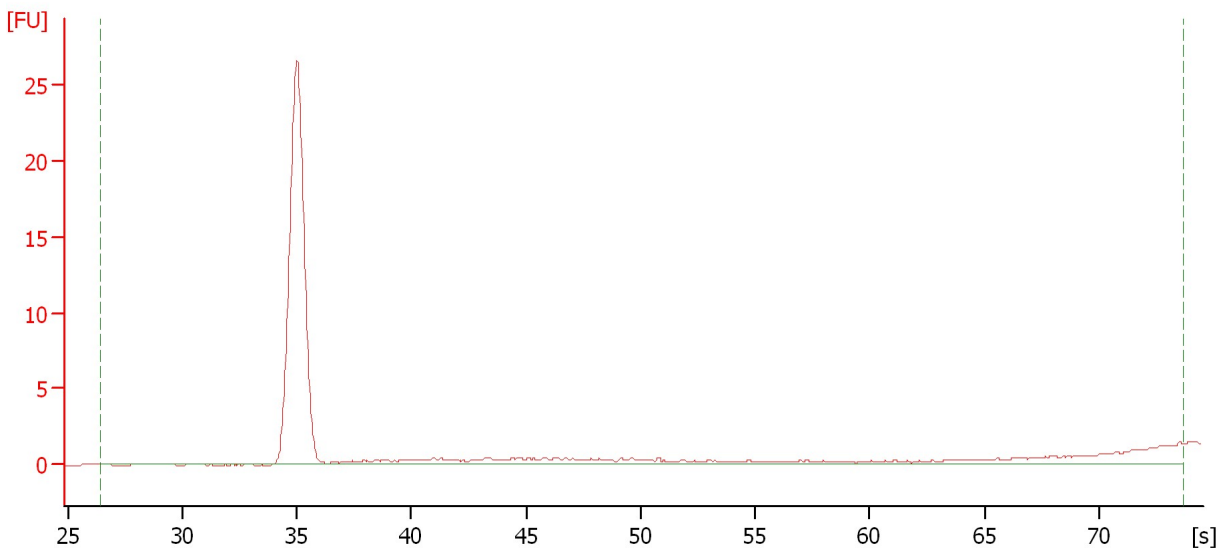**Overall Results for sample 4 :   Sample 14**

Result Flagging Color: Result Flagging Label: Number of Peaks: 1

Assay Class:　　　Small RNA
Data Path:　　　　C:\...ents and Settings\Bioanalyzer\2015-01-20\2015-01-20_001.xad

Created:　1/20/2015 10:25:08 AM
Modified:　1/20/2015 10:57:09 AM

Electropherogram Summary Continued ...

Sample 15

Overall Results for sample 5　:　　Sample 15
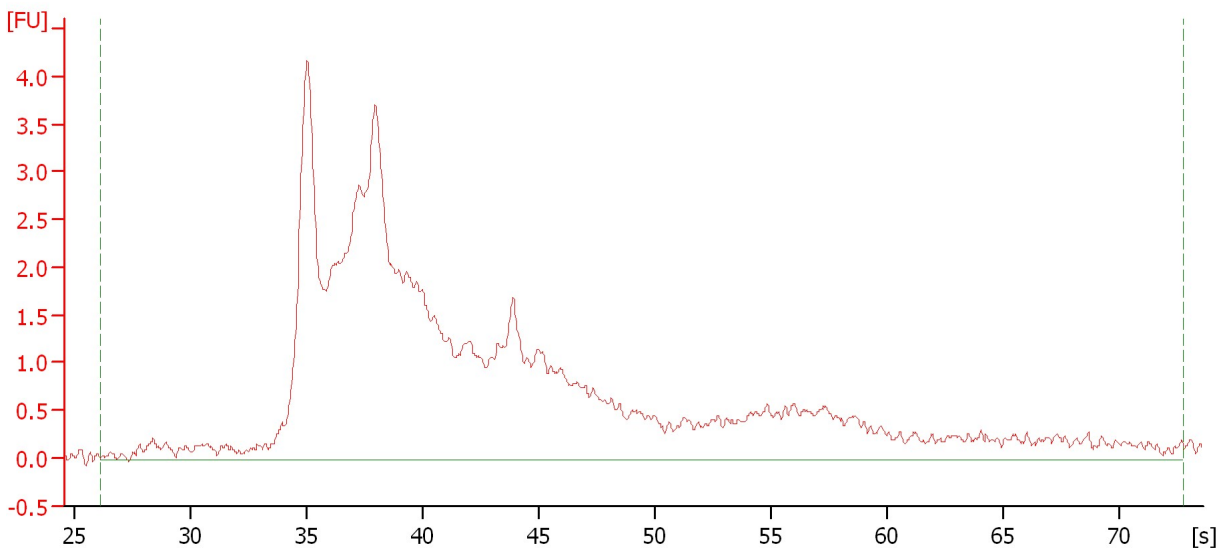
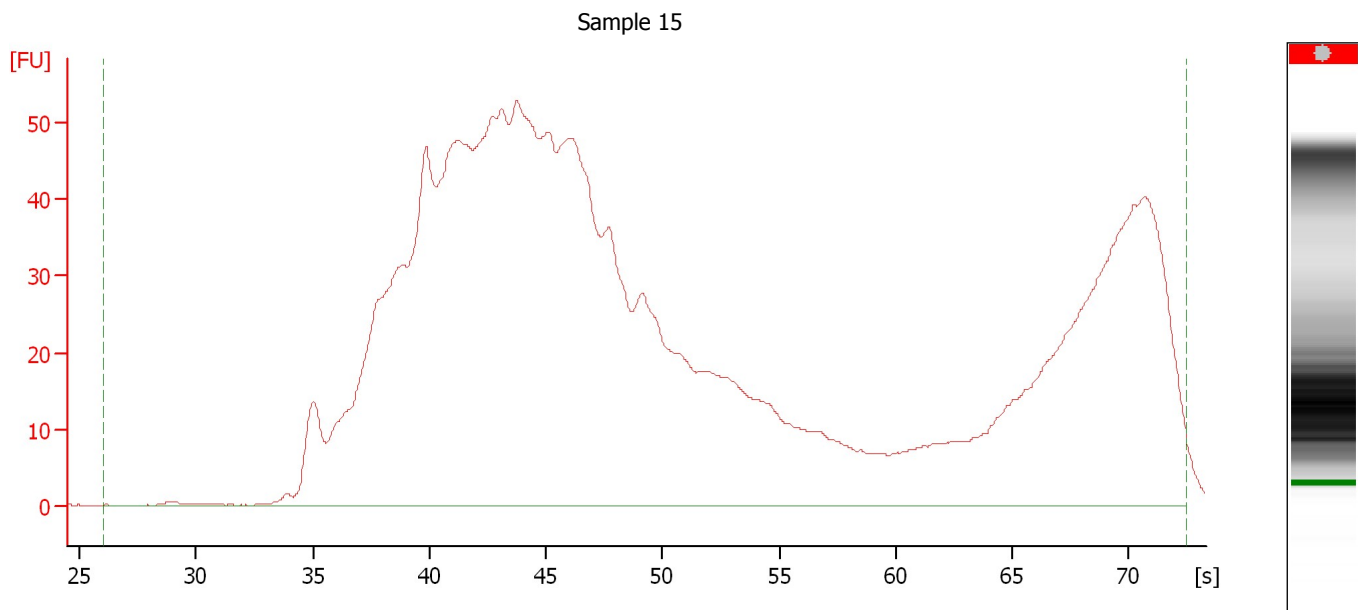Result Flagging Color:　　　　　　　　　　　　Result Flagging Label:　　　　Number of Peaks: 23
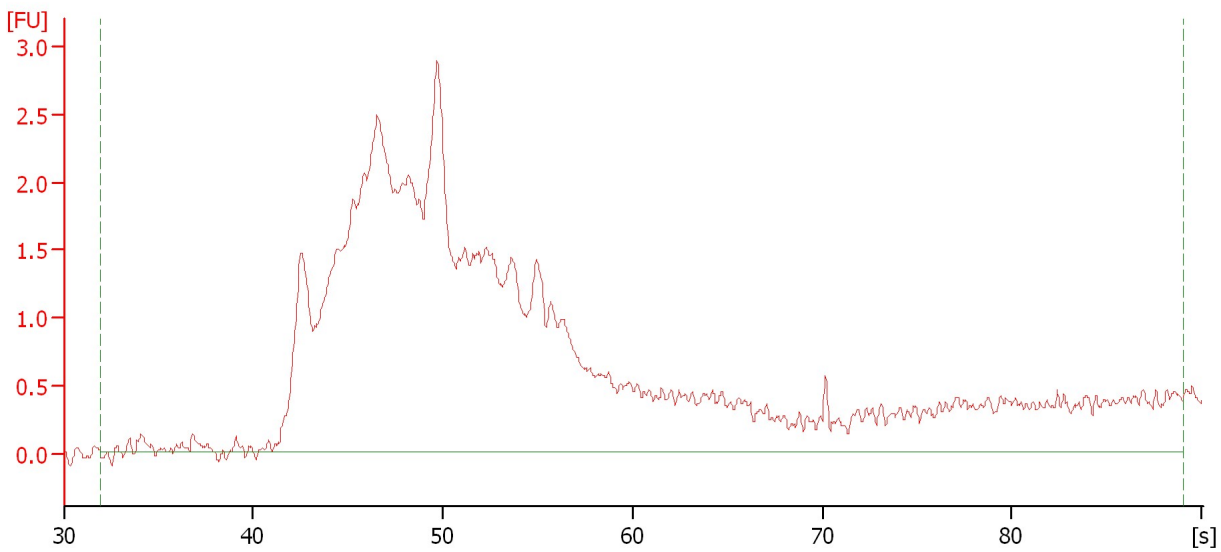
Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-20\2015-01-20_001.xad

Created: 1/20/2015 10:25:08 AM
Modified: 1/20/2015 10:57:09 AM

Electropherogram Summary Continued ...

Sample 16

Overall Results for sample 6 :   Sample 16
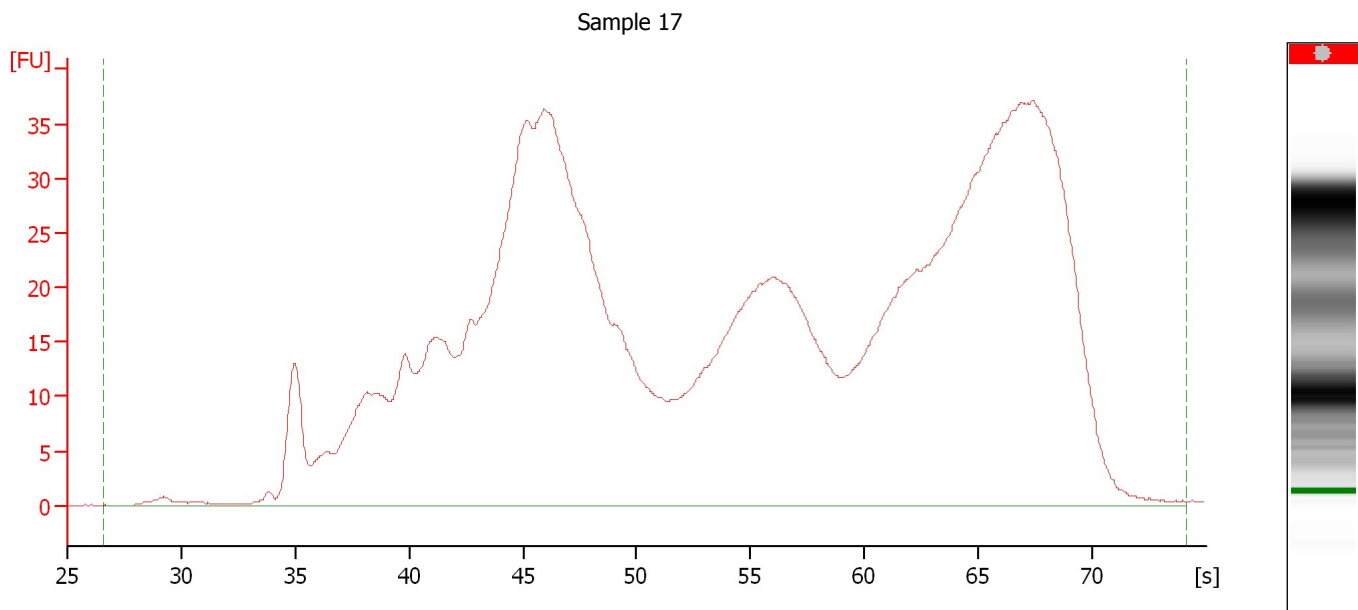
Result Flagging Color: Result Flagging Label: All Other Samples

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-20\2015-01-20_001.xad

Created: 1/20/2015 10:25:08 AM
Modified: 1/20/2015 10:57:09 AM

Electropherogram Summary Continued ...

Sample 17

Overall Results for sample 7 :   **Sample 17**

Result Flagging Color: Result Flagging Label: Number of Peaks: 17

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-20\2015-01-20_001.xad

Created: 1/20/2015 10:25:08 AM
Modified: 1/20/2015 10:57:09 AM

Electropherogram Summary Continued ...

Sample 18

Overall Results for sample 8 : __Sample 18__

Result Flagging Color: Result Flagging Label: Number of Peaks: 3

Electropherogram Summary Continued ...

Sample 19

Overall Results for sample 9 :   **Sample 19**

Result Flagging Color: Result Flagging Label: Number of Peaks: 12
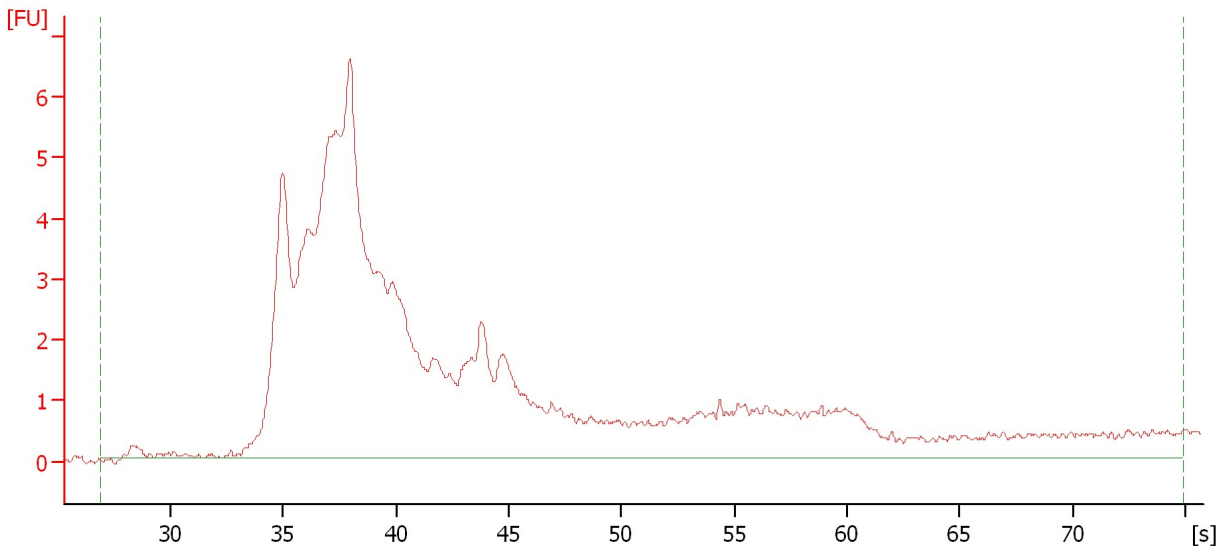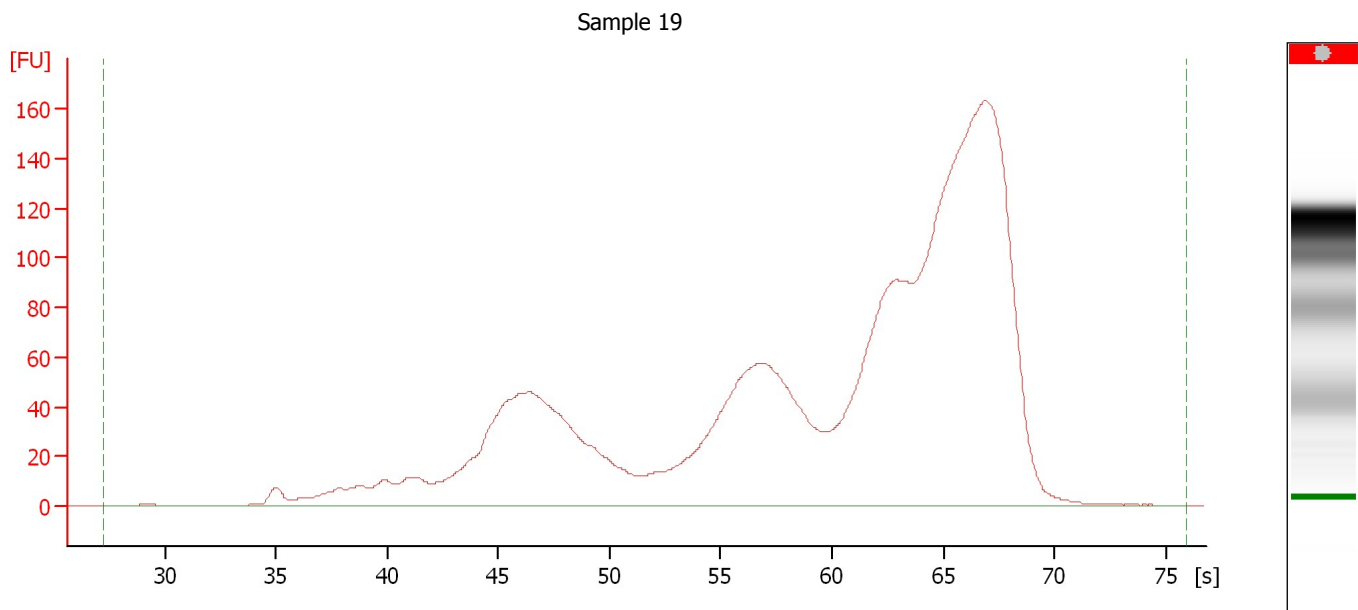
Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-20\2015-01-20_001.xad

Created: 1/20/2015 10:25:08 AM
Modified: 1/20/2015 10:57:09 AM

Electropherogram Summary Continued ...

Rerun sample 4

Overall Results for sample 10 :   Rerun sample 4

Result Flagging Color: Result Flagging Label: All Other Samples
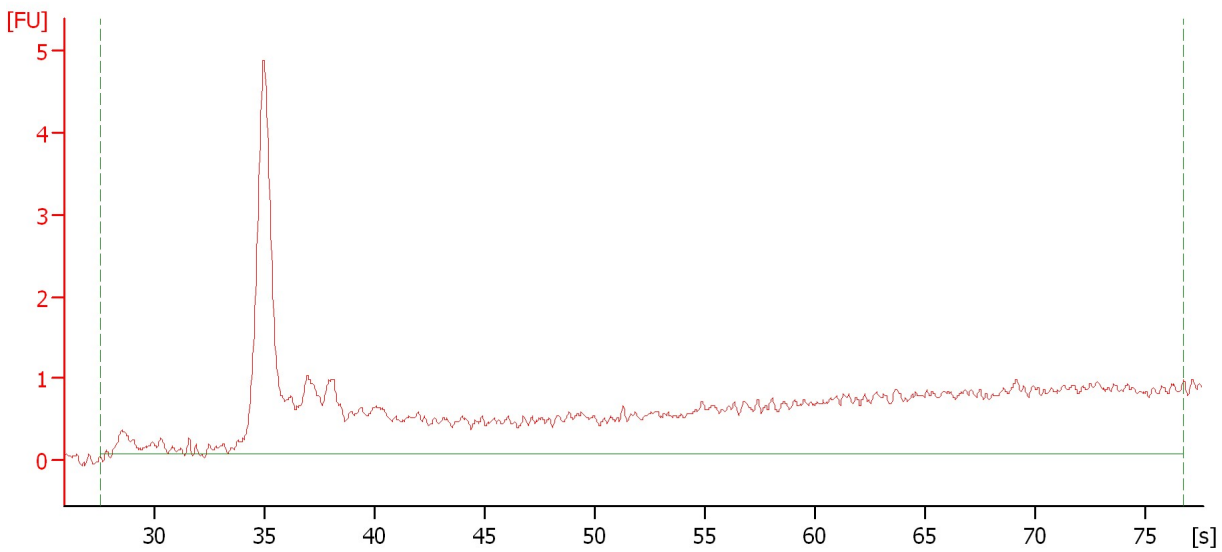
Assay Class:　　Small RNA
Data Path:　　C:\...ents and Settings\Bioanalyzer\2015-01-20\2015-01-20_001.xad

Created:　1/20/2015 10:25:08 AM
Modified:　1/20/2015 10:57:09 AM

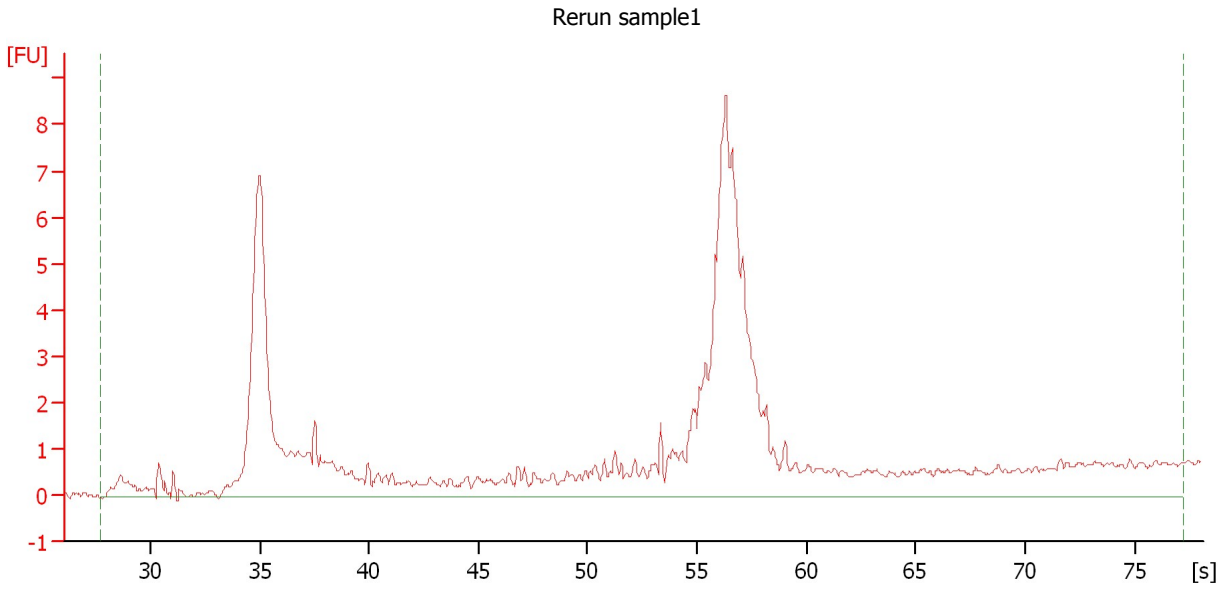**Electropherogram Summary Continued ...**

Rerun sample1
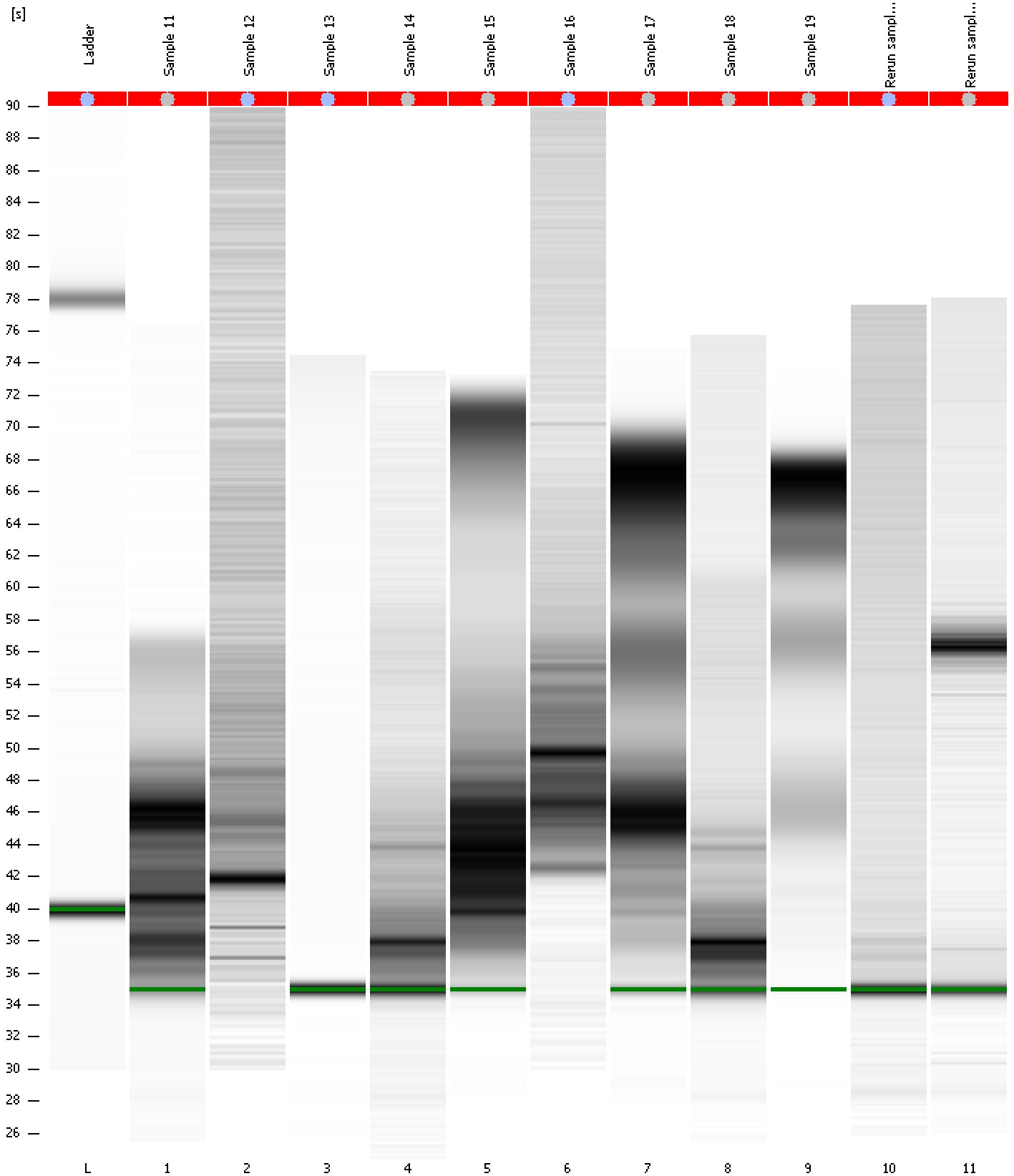

Overall Results for sample 11 :　　**Rerun sample1**

Result Flagging Color:　　　　　　　　Result Flagging Label:　　　　Number of Peaks: 3

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-20\2015-01-20_001.xad
Gel Image

Created: 1/20/2015 10:25:08 AM
Modified: 1/20/2015 10:57:09 AM

Assay Class:	Small RNA
Data Path:	C:\...ents and Settings\Bioanalyzer\2015-01-20\2015-01-20_001.xad

Created: 1/20/2015 10:25:08 AM
Modified: 1/20/2015 10:57:09 AM

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		1/20/2015 10:57:06 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-01-20\2015-01-20_001.xad)		Instrument	Run		1/20/2015 10:25:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		1/20/2015 10:25:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		1/20/2015 10:25:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		1/20/2015 10:25:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		1/20/2015 10:25:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		1/20/2015 10:25:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		1/20/2015 10:25:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1