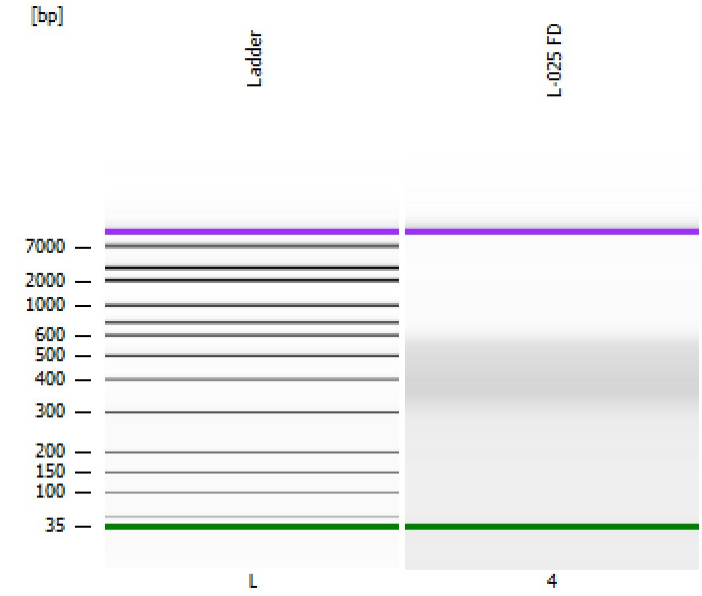
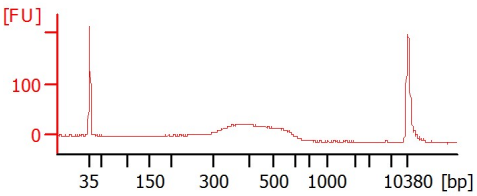
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...braries\2018-10-09\181009_L-025_FD_after_size_selection.xad

Created: 10/9/2018 9:26:39 AM
Modified: 10/9/2018 9:55:16 AM

Electrophoresis File Run Summary



L-025 FD
after size selection



Instrument Information:

Instrument Name:	DE13806062	Firmware:	C.01.069
Serial#:	DE13806062	Type:	G2938C

Assay Information:

Assay Origin Path:	C:\Program Files (x86)\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:\...braries\2018-10-09\181009_L-025_FD_after_size_selection.xad

Created: 10/9/2018 9:26:39 AM
Modified: 10/9/2018 9:55:16 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
L-025 FD	after size selection	☐	✔			
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...braries\2018-10-09\181009_L-025_FD_after_size_selection.xad

Created: 10/9/2018 9:26:39 AM
Modified: 10/9/2018 9:55:16 AM

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

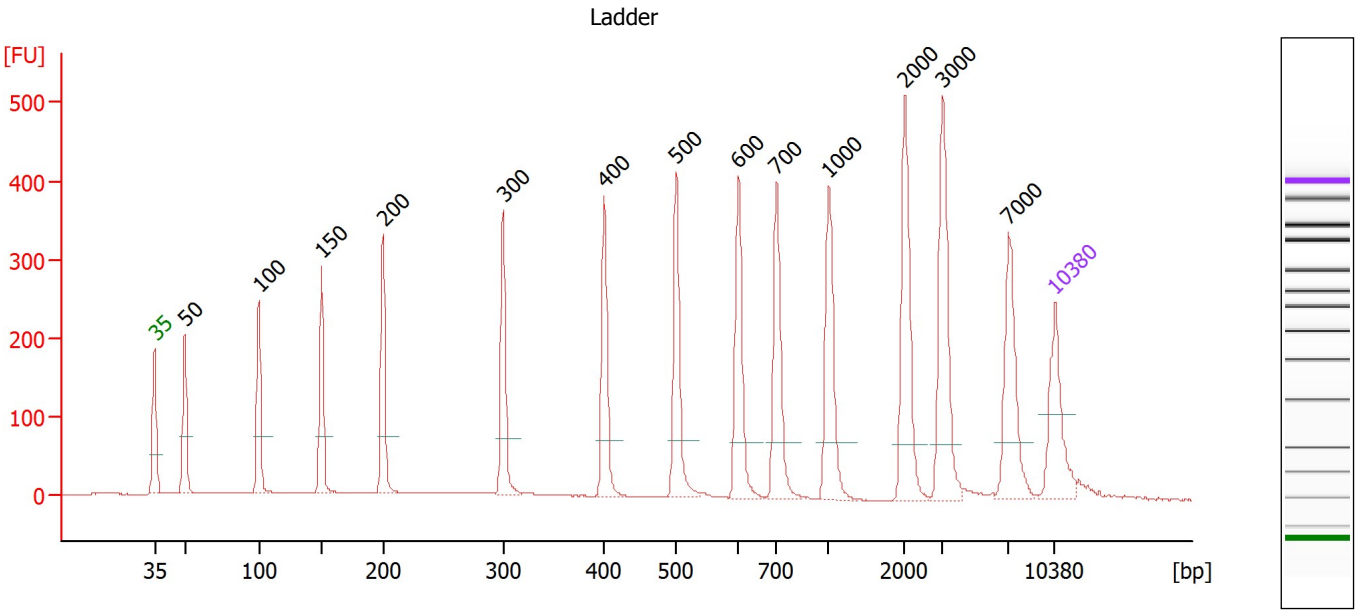
Ladder

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:\...braries\2018-10-09\181009_L-025_FD_after_size_selection.xad

Created: 10/9/2018 9:26:39 AM
Modified: 10/9/2018 9:55:16 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.5

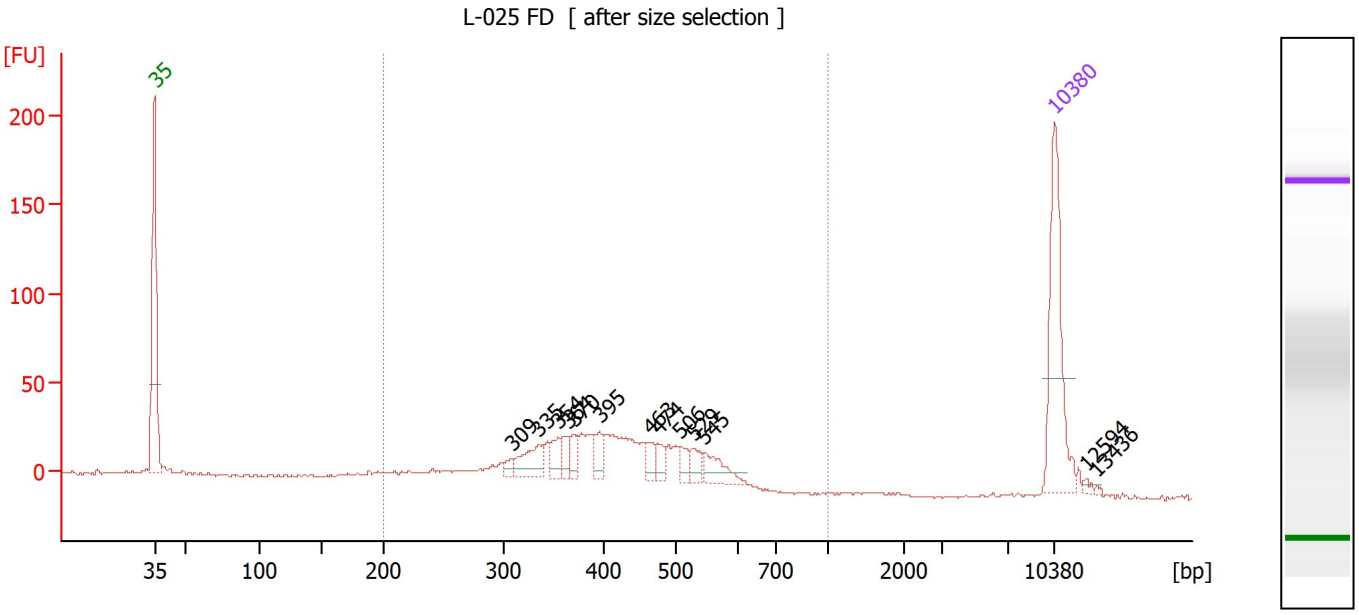
Peak table for Ladder

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1		35	125.00	5,411.3	Lower Marker
2		50	150.00	4,545.5	Ladder Peak
3		100	150.00	2,272.7	Ladder Peak
4		150	150.00	1,515.2	Ladder Peak
5		200	150.00	1,136.4	Ladder Peak
6		300	150.00	757.6	Ladder Peak
7		400	150.00	568.2	Ladder Peak
8		500	150.00	454.5	Ladder Peak
9		600	150.00	378.8	Ladder Peak
10		700	150.00	324.7	Ladder Peak
11		1,000	150.00	227.3	Ladder Peak
12		2,000	150.00	113.6	Ladder Peak
13		3,000	150.00	75.8	Ladder Peak
14		7,000	150.00	32.5	Ladder Peak
15		10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...braries\2018-10-09\181009_L-025_FD_after_size_selection.xad

Created: 10/9/2018 9:26:39 AM
Modified: 10/9/2018 9:55:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : L-025 FD

Number of peaks found:	13	Corr. Area 1:	596.9
Noise:	0.6		

Peak table for sample 4 : L-025 FD

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	309	6.61	32.5	
3	335	26.80	121.1	
4	354	14.13	60.4	
5	364	11.33	47.2	
6	370	11.64	47.7	
7	395	13.43	51.5	
8	463	10.52	34.4	
9	474	10.65	34.0	
10	506	9.49	28.4	
11	529	10.79	30.9	
12	545	19.42	54.0	
13	10,380	75.00	10.9	Upper Marker
14	12,594	0.00	0.0	
15	13,436	0.00	0.0	

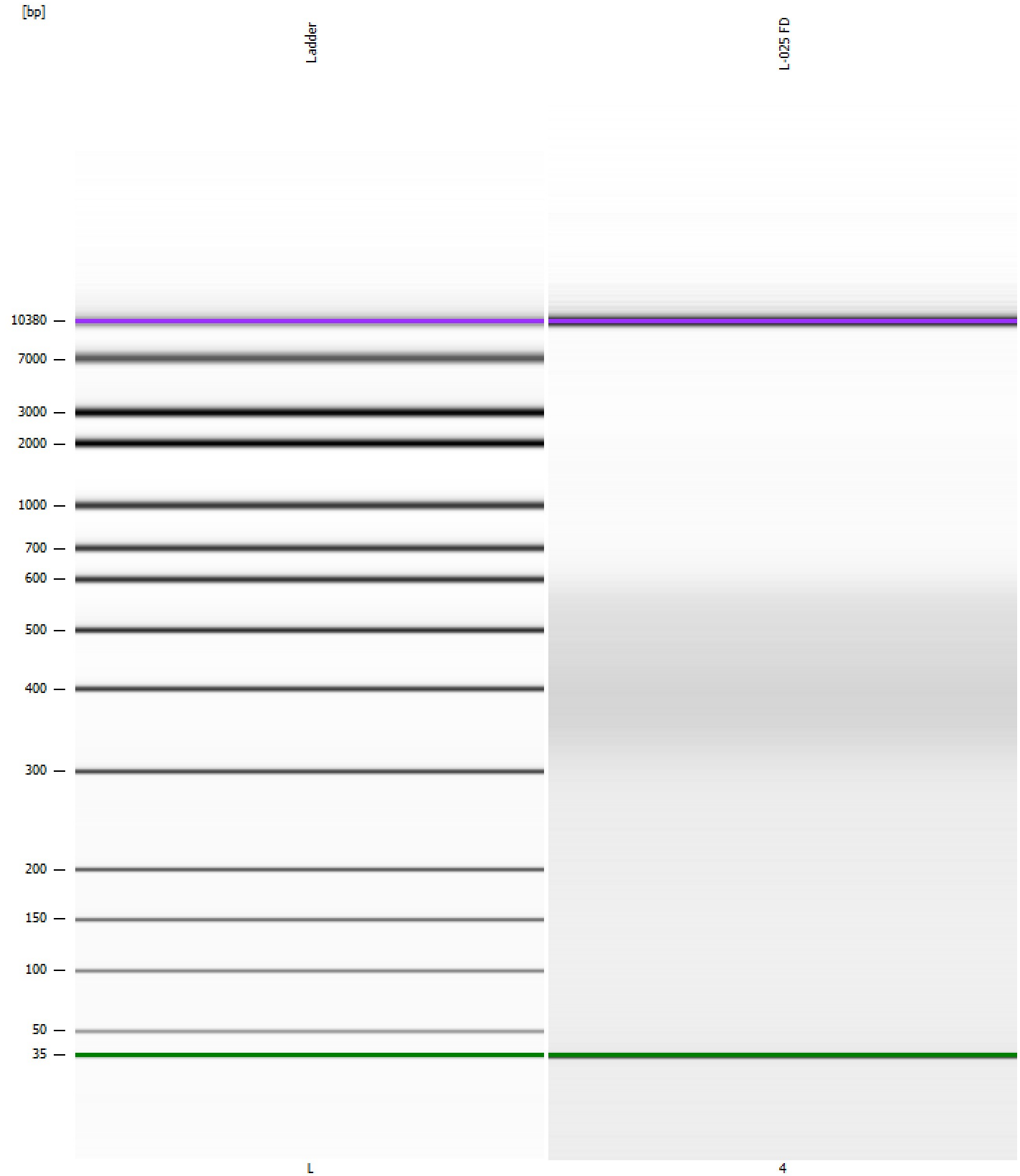
Region table for sample 4 : L-025 FD

Name	From [bp]	To [bp]	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
Region 1	200	1,000	90	408	22.4	337.90	1,360.9	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...braries\2018-10-09\181009_L-025_FD_after_size_selection.xad

Created: 10/9/2018 9:26:39 AM
Modified: 10/9/2018 9:55:16 AM

Gel Image

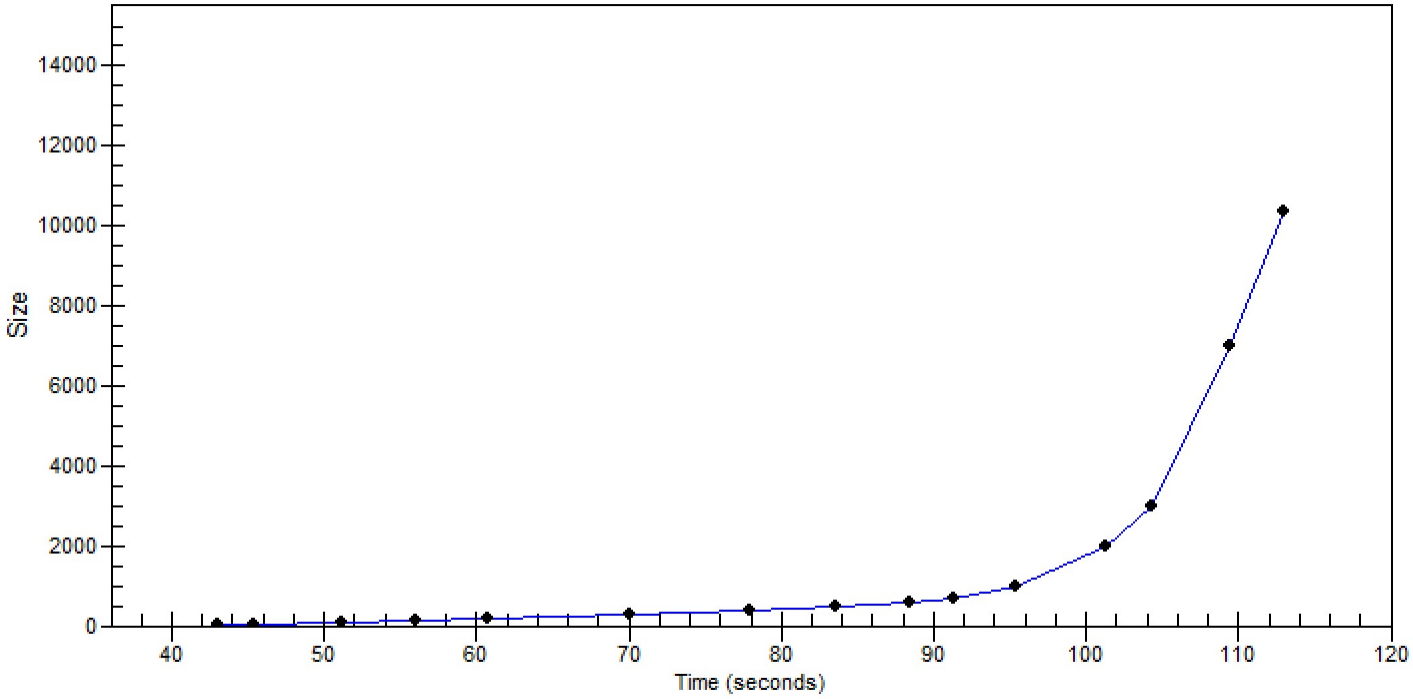


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...braries\2018-10-09\181009_L-025_FD_after_size_selection.xad

Created: 10/9/2018 9:26:39 AM
Modified: 10/9/2018 9:55:16 AM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...braries\2018-10-09\181009_L-025_FD_after_size_selection.xad

Created: 10/9/2018 9:26:39 AM
Modified: 10/9/2018 9:55:16 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 5 (Number of wells acquired: 5)		Instrument	Run		10/9/2018 9:47:59 AM	(GMT +02:00) W. Europe Standard Time	Admin	Datasystem01
Run started on port 5 (File: C:\Users\Admin\Desktop\Libraries\2018-10-09\2100 expert_High Sensitivity DNA Assay_DE13806062_2018-10-09_09-26-40.xad)		Instrument	Run		10/9/2018 9:26:45 AM	(GMT +02:00) W. Europe Standard Time	Admin	Datasystem01
Product Number : G2938C		Instrument	Run		10/9/2018 9:26:45 AM	(GMT +02:00) W. Europe Standard Time	Admin	Datasystem01
Name :		Instrument	Run		10/9/2018 9:26:45 AM	(GMT +02:00) W. Europe Standard Time	Admin	Datasystem01
Vendor : Agilent Technologies		Instrument	Run		10/9/2018 9:26:45 AM	(GMT +02:00) W. Europe Standard Time	Admin	Datasystem01
Serial# : DE13806062		Instrument	Run		10/9/2018 9:26:45 AM	(GMT +02:00) W. Europe Standard Time	Admin	Datasystem01
Firmware : C.01.069		Instrument	Run		10/9/2018 9:26:45 AM	(GMT +02:00) W. Europe Standard Time	Admin	Datasystem01
Cartridge : Electrode		Instrument	Run		10/9/2018 9:26:45 AM	(GMT +02:00) W. Europe Standard Time	Admin	Datasystem01