



# Clarity 8.6

## WHAT'S NEW

P057/80A 06/2021



## What is new in Clarity 8.6?

- **User Accounts** – a new user right to take control over locked Instrument
- **Shutdown options** – a new section to set routines being run after the sequence finishes
- **Report Setup** – Sample Parameters option are more granular
- **Report Setup** – a possibility to report vial and injection number
- **Miscellaneous** – a new system for programmer logging



## WHAT'S NEW → TAKE CONTROL OVER LOCKED INSTRUMENT

User Accounts

User List

- Charles Marks
- Lucy Strong
- Peter Donovan**

New Delete

Password Restrictions - Common for All

- Min. Length 1 [Chars.]
- LifeTime 1 [Days]
- Expiration Warning 5 [Days]
- Password Reuse 1 [Days]
- Auto Lock 10 [min]

User Details for: Peter Donovan

User

User Name Peter Donovan

Desktop File shared

Description analyst

Other Users Can

- Read & Write
- Read
- No Access

Access To

- Instrument 1
- Instrument 2
- Instrument 3
- Instrument 4

User Info

Password: Submitted

Password Changed: 23. April 2021

Last Login: 26. April 2021

Change Password...

Certificate

No certificates assigned to the selected user

Select Certificate... Clear Certificate

Certificate For Exporting To PDF

User Access Rights

- Open User Accounts
- Open Configuration
- Edit Method
- Edit Chromatogram
- Edit Calibration
- Projects
- Import Chromatogram
- Take Control of Locked Instrument
- Edit Sequence
- Edit Report Style
- Select Method
- Open Audit Trail Settings
- Archive / Restore
- Post Run Settings
- Start Acquisition

OK Cancel Help

A new right in User Accounts dialog:

- Allows to unlock Clarity Instruments locked by different user
- Changing shifts without interrupting running sequence
- Unsaved changes are discarded
- Changes on locked Instrument are logged under original user
- Changes on unlocked Instrument are logged under new user
- Shared desktop recommended



→ A new section to define actions after sequence finish:

- Send shutdown method
- Run shutdown method
- Send shutdown event to all control modules

→ Cannot be modified during run

→ Use Abort command to avoid shutdown routine

The screenshot shows the 'Sequence Options' dialog box with the following settings:

- Description:** (empty text box)
- Sequence mode:**  Passive,  Active. Idle time: 0 [min].  Idle time also before first injection.
- Run lines:** 1-3,5
- Counter (%n):** Start at:  0,  1. Reset when:  Run sequence,  Open instrument,  Never. Current value: 3.
- Solve conflict of filename:**  Automatically,  Manually.
- Calibration and sequence usage:**  Calibration used as specified by user,  Clone on first recalibration (safe calibration usage),  Standard addition measurement,  Calibration bracketing.
- After sequence is finished (highlighted in red):**
  - Send shutdown method: SwitchOff
  - Run shutdown method
  - Sample type: Bypass
  - Vial no.: 1
  - Inj. vol. [µL]: 0
  - Perform shutdown

Buttons at the bottom: OK, Cancel, Help.



Report Setup Chromatogram

Page Setup

- Lab. Header
- Report Header
- Method
- Calibration
- Chromatogram
- Results
- Sequence
- SST
- Audit & Signatures

Print  
 On New Page

Chromatogram Info  
 Printed Version Info  
 Sample Description

Sample Parameters

- Amount
- Dilution
- Inj. Number
- Vial Number
- Inj. Volume
- ISTD Amounts from 1 to 10

User Variables

GLP Information

Print Full Paths in Filenames:

- Always
- For Files Outside Current Project Only

OK  
Cancel  
Help  
New  
Open...  
Save As...  
Printer...  
Preview...  
Print...  
Print To PDF...  
Send PDF

- Sample Parameters section divided into sub options
- Parameters can be separately added or removed
- ISTD Amount values can be customized
- Newly Injection and Vial Number can be reported



- A new system of programmer logging
- More complete, helps in diagnosing problems
- Switched on by default

```

log-2021-06-11-11-02-48.log - Notepad
File Edit Format View Help
2021-06-11 11:02:48.442842 Main Thread (0x00001d7c) info Logging ***** OPEN [Log] Version=Clarity 8.6.0.35 Settings={"Core":{"DisableLogging"
2021-06-11 11:02:48.928318 Main Thread (0x00001d7c) info CommandLine System Started control_demo_mode
2021-06-11 11:02:48.989298 Main Thread (0x00001d7c) info Performance Scanning folders for DLLs with control module interfaces - start
2021-06-11 11:02:49.046278 Main Thread (0x00001d7c) info Performance Scanning folders for DLLs with control module interfaces - end
2021-06-11 11:02:49.054276 Main Thread (0x00001d7c) info Packages Loading C:\Clarity\Bin\CswYL3050A.dll, version 1.0.1.7. Loaded C:\Cla
2021-06-11 11:02:49.076268 Main Thread (0x00001d7c) info Packages Loading C:\Clarity\Bin\CswDEMO.dll, version 8.6.0.35. Loaded C:\Clari
2021-06-11 11:02:49.249210 Main Thread (0x00001d7c) info Packages Loading C:\Clarity\Bin\CswYL3050A.dll, version 1.0.1.7. Loaded C:\Cla
2021-06-11 11:02:49.250209 Main Thread (0x00001d7c) info Packages Loading C:\Clarity\Bin\CswDEMO.dll, version 8.6.0.35. Loaded C:\Clari
2021-06-11 11:02:49.252209 Main Thread (0x00001d7c) info AuditTrail INSTRUMENT=System; ANALYST=; TYPE=0; AREA=System - Start System, Vers
2021-06-11 11:02:49.253208 Main Thread (0x00001d7c) info AuditTrail INSTRUMENT=System; ANALYST=; TYPE=13; AREA=System - Daily audit trail
2021-06-11 11:02:49.258207 Main Thread (0x00001d7c) info AuditTrail INSTRUMENT=System; ANALYST=; TYPE=10; AREA=System - Command line para
2021-06-11 11:03:00.855950 Main Thread (0x00001d7c) info Telemetry Object Name: class CMainFrame, COMMAND ID: 32772, CMainFrame::OnSyste
2021-06-11 11:03:00.857948 Main Thread (0x00001d7c) info AuditTrail INSTRUMENT=System; ANALYST=; TYPE=19464; AREA=Configuration - System
2021-06-11 11:03:01.016894 Main Thread (0x00001d7c) info Telemetry Object Name: class CSetupDlg, Control ID: 0, CN Code: TCM_TABSEL, Con
2021-06-11 11:03:01.189836 Run (0x000033e0) info Acquisit Main Thread Watchdog: The Watched has not signaled for 500 ms! Average dela
2021-06-11 11:03:01.189836 Run (0x000033e0) info Acquisit Main Thread Watchdog: The Watched has signaled after 500 ms!
2021-06-11 11:03:09.867467 Main Thread (0x00001d7c) info Telemetry Object Name: class CSetupDlg, Control ID: 285, CN Code: BN_CLICKED, C
2021-06-11 11:03:09.867467 Main Thread (0x00001d7c) info Telemetry Object Name: class CSetupDlg, COMMAND ID: 285, CSetupDlg::OnAbout
2021-06-11 11:03:14.372481 Main Thread (0x00001d7c) info Telemetry Object Name: class CSetupDlg, Control ID: 275, CN Code: BN_CLICKED, C
2021-06-11 11:03:14.372481 Main Thread (0x00001d7c) info Telemetry Object Name: class CSetupDlg, COMMAND ID: 275, CSetupDlg::OnAddCtr
2021-06-11 11:03:14.376854 Main Thread (0x00001d7c) info Performance Creating Available control modules dialog - start
2021-06-11 11:03:14.377839 Main Thread (0x00001d7c) info Performance Remove partially installed dlls - start
2021-06-11 11:03:14.379853 Main Thread (0x00001d7c) info Performance Remove partially installed dlls - end
2021-06-11 11:03:14.425823 Main Thread (0x00001d7c) info Performance Fills up list of CCfgMultiSubDevicesEx - start
2021-06-11 11:03:14.794698 Run (0x000033e0) info Acquisit Main Thread Watchdog: The Watched has not signaled for 500 ms! Average dela
2021-06-11 11:03:15.275554 Main Thread (0x00001d7c) info Performance Fills up list of CCfgMultiSubDevicesEx - end
2021-06-11 11:03:15.302544 Run (0x000033e0) info Acquisit Main Thread Watchdog: The Watched has not signaled for 1016 ms! Average del
2021-06-11 11:03:15.319539 Main Thread (0x00001d7c) info Performance Creating Available control modules dialog - end
2021-06-11 11:03:15.559177 Run (0x000033e0) info Acquisit Main Thread Watchdog: The Watched has signaled after 1266 ms!
2021-06-11 11:03:29.326198 Main Thread (0x00001d7c) info Telemetry Object Name: class CAddCtrIDlg, Control ID: 2, CN Code: BN_CLICKED, C
2021-06-11 11:03:30.758261 Main Thread (0x00001d7c) info Telemetry Object Name: class CSetupDlg, Control ID: 2, CN Code: BN_CLICKED, Con
2021-06-11 11:03:30.760473 Main Thread (0x00001d7c) info Packages Loading C:\Clarity\Bin\CswYL3050A.dll, version 1.0.1.7. Loaded C:\Cla
2021-06-11 11:03:30.760473 Main Thread (0x00001d7c) info Packages Loading C:\Clarity\Bin\CswDEMO.dll, version 8.6.0.35. Loaded C:\Clari
2021-06-11 11:03:30.788818 Main Thread (0x00001d7c) info AuditTrail INSTRUMENT=System; ANALYST=; TYPE=19465; AREA=Configuration - System
2021-06-11 11:03:32.713924 Main Thread (0x00001d7c) info Telemetry Object Name: class CMainFrame, COMMAND ID: 16, CMainFrame::OnClose
2021-06-11 11:03:32.965095 Main Thread (0x00001d7c) info AuditTrail INSTRUMENT=System; ANALYST=; TYPE=1; AREA=System - End System
2021-06-11 11:03:32.978691 Main Thread (0x00001d7c) info CommandLine System Halted 0: OK.
2021-06-11 11:03:32.978691 Main Thread (0x00001d7c) info Logging ***** CLOSE [Log] *****

```



## New control modules

- Unimicro EasySep-3030 Pump
- Unimicro EasySep-3030 Thermostat
- Unimicro EasySep-3030 UV Detector
- Unimicro EasySep-3030 UV/VIS Detector
- Young In Chromass YL3050A Autosampler

... and many control modules have been updated and improved





**...THANK YOU FOR YOUR TIME**



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