
User Release Notes

SonoLab Version 10.2

30 August 2021

Introduction to SonoLab 10.2 Software

SonoLab version 10.2 operates the LE220-plus, LE220R-plus, LE220Rsc, E220-plus, and E220R-plus ultra-sonicator instruments

SonoLab software is necessary to run these instruments.
It is pre-installed on the computer that comes with the instrument.

Installation Guide/System Requirements

Steps for Install:

Please refer to the appropriate appendix of the E220 & LE220 (-plus, R-plus, Rsc) Setup & Instruction Manual or contact Covaris technical support for installation instructions.

System Requirements:

Operating System Compatibility: Microsoft Windows 10.

An USB port must be available.

For more information or questions please contact:

techsupport@covaris.com

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Version Changes

Version 10.2.0.1360

30 August 2021

Initial release

New Features

- Run/Pause/Resume/Abort methods
- Display instrument status
- Motion and water control
- Display water level & temperature, method treatment time, and time to degas
- Override temperature and degas
- RFID-based consumable validation
- Consumable-based method selection
- Create and edit methods
- Rearrangement of method steps via drag and drop
- Bi-directional scanning
- Create and edit scheduled operations
- Periodic fill
- Fill on startup
- View method history
- View instrument information such as instrument type, serial numbers, versions, etc.
- User login/logout
- Administrative control over user accounts and other settings
- Default user
- API automation support
- Covaris Downholder support
- Allow expired consumables to run with user consent

Upgrading from SonoLab 8.x to 10.2

Introduction

SonoLab 10 is the latest version of SonoLab. It is the software platform for new Covaris instruments.

SonoLab 10 comes in different “editions,” each of which supports one or more instrument models. SonoLab 10.2 is the edition that supports these instruments: LE220-plus, LE220R-plus, LE220Rsc, E220R-plus.

SonoLab 10.2 provides various performance, reliability, and user interface improvements over the previous version of SonoLab for these instruments, SonoLab 8.x. The term “8.x” refers to any of these versions: 8.1, 8.2, 8.3, 8.4, and 8.5.

File Format Changes

SonoLab 10.2 uses new file formats for methods, plate definitions, history, and log files.

A “SonoLab 8.x Data Converter” application is included with SonoLab 10.2, to convert methods, plate definitions, and history files from 8.x to 10.2 format.

See Appendix C of the User Manual for details on using the data converter.

Features

The initial release of SonoLab 10.2 provides the following features not in 8.5. Please refer to the User Manual for details on these features.

- Rearrangement of steps in the method editor via drag and drop
- Position restrictions
- Bidirectional scanning
- Support for multiple plate sizes, including 384 well plates
- Fill on startup
- Consumable-based method selection
- Ability to reset a user password
- When editing a user, the “All Methods” option grants a user access to all methods, instead of having to assign specific methods
- The “Default” user
- Support for the new SonoLab 10 API. This allows the software that integrates SonoLab with liquid handler automation programs to work with any Covaris instrument supported by SonoLab 10.
- Support for the Covaris Downholder

The initial release of 10.2 contains all features supported in SonoLab 8.5, with the following exceptions:

- Barcode support. This will be added in the next release.
- Support for the “Allow Degas Override” and “Allow temp Override” check boxes in the method editor. These may be added in a future release, based on customer feedback.