

**ROCK MAKER® Release Notes**

Last Updated: July 6, 2020

Version 3.17
July 6, 2020**Machine Recognition of Crystallization Outcomes (MARCO) Improvements**

FORMULATRIX continuously strives to improve MARCO for better usability and the utmost experience for all users. In this release, MARCO includes the following enhancements:

- When there are no new images in ROCK MAKER to score, MARCO will automatically start scoring all images taken prior to MARCO installation.
- Now, when you hover over a MARCO score on each drop of the plate in **Image** mode, you will see a tooltip showing all raw MARCO scores; i.e., chances of the images being **Clear**, **Precipitate**, **Crystal**, and/or **Other**. This can help you get a deeper insight into how MARCO really scored the image.

More flexibility in the Improved Iterative Screen Optimization (ISO)

This improvement offers more flexibility to you when performing the **Iterative Screen Optimization (ISO)**. Previously, ROCK MAKER would always use drop 1 from the wells of a plate. With the user-specified option, you can now choose which drop you would like to perform Iterative Screen Optimization (ISO) on. Information about which drop is used also appears in the **Iterative Screen Info** section on the **Advanced** tab of the **Edit Custom Layer** panel.

Note: The conditions in both drops will be the same, but they can have different scores. Users will choose a drop based on which scores they want to use for optimization.

More Efficient User Communication

ROCK MAKER 3.17 offers you the option of copying all registered user email addresses to help you save time if the administrator needs to send important emails to the users. To access this feature, click **Setup** in the **Application Menu**, point to **Users**, right-click anywhere in the **Users Management** panel, and then select **Copy All Email IDs**.

Minor Software Change:

- You can now copy the information displayed in the side panel, such as the **Ingredient Info** panel and **Edit Protein Layer** panel to a clipboard and paste them into a different document or spreadsheet editor.

Improvement:

- FORMULATRIX now provides user related information in your labware report emails. The new update will also include details about ROCK MAKER usage per users and per groups.

Changes:

- Renamed AutoIM to ROCK MAKER Server (RMS).
- To prevent ROCK MAKER and ROCK IMAGER from going out of sync during an on-going experiment, ROCK MAKER will now show a warning message if you want to disable a plate type in the **Plate Type Setup** that is currently inside an imager.
- If the NT8 plate type and liquid class information in the **Dispensing Properties** window are not specified, ROCK MAKER will automatically pass over its original plate type and liquid class settings you defined when you designed your experiment to NT8.

Fixes:

- Fixed an issue where ROCK MAKER did not keep the zoom settings that had been locked using the **Lock** button in the **Zoom** group of the **View** tab. It caused the image to reset to the default zoom level when navigating through focus levels.

- Fixed an issue where the **Finish** button in the installation wizard didn't appear immediately after ROCK MAKER had successfully been installed.