1 Introduction

The release date of MuviCyte and the related MuviCyte applications is September 2019.

Supported operation system:
- MuviCyte control PC: Windows 10 Pro, Version 1903, OS Build 18362

2 Late-breaking Notes and Issues

This list covers known problems with MuviCyte Control 2.0.25 and MuviCyte Analysis / Image Tools / Scratch / Spheroid 2.0.18. Please read this before you report new bugs.

The most important issues that should not affect day-to-day work are grouped in categories corresponding to the MuviCyte applications.

Please refer also to the MuviCyte User Manual for further information.

2.1 General

In case of an unhandled exception, please click the Quit button and restart the software.

2.2 MuviCyte Control

Preview Menu: The Record function is a screen capturing function. Please do not minimize the software and avoid dragging the mouse, a window or any other object in front of the MuviCyte image view.

2.3 MuviCyte Analysis

General: During analysis, border objects are not excluded.

Whole Intensity Level: In the well-based menu when selecting a well in the table, using the arrows on the keyboard will only update the respective image but not the graph display for the fluorescence intensity. Be aware that the graphs are only visible after analysis. Please select the left mouse button for displaying the respective well’s graph.

Whole Intensity Level: Under certain circumstances there is only a minor impact of the Quick Mode on the performance of the analysis.

Attached Cell Counting cannot be used with stitched images.

Attached Cell Counting: When using the Cell Size tab to filter for cell size, please ensure that the min value does not exceed the max value and vice versa.
2.4 MuviCyte Image Tools

New Project: Please note that this duplicates the complete data set, except if a z-stack was acquired. If a project with a z-stack is duplicated, only the previously defined default image is duplicated. In order to include all z-stacks into your export please copy and paste the whole experiment folder manually.

3 General Tips and Troubleshooting

3.1 General

Please do not change the monitor resolution. The MuviCyte software is optimized for the recommended setting of 1920x1080. If you cannot access the MuviCyte software due to a wrong display resolution, please launch the task manager, end the application and change the monitor resolution.

To avoid unnecessary waiting time, please do not switch off the device during the 20 min warm-up since this will repeatedly restart the control software and/or restart the 20 min warm-up procedure.

The T flask vessel holder covers the objective when selecting column 1 and row A. Please check these wells during measurement setup and potentially exclude them from your measurement layout.

3.2 MuviCyte Control

Preview Menu, Setup Menu: Note that the last used channel is switched on when moving the stage as well as when clicking the Capture button. You will see the live image in the image view as long as the channel is switched on.

Setup Menu: Note that you can create measurements where each well has a different measurement layout inside the well. For a detailed description on selecting measurement positions, see MuviCyte User Manual, Setup menu, Navigation position set.

Slides, dishes and flasks are neither available for vessel calibration nor for analysis. If you require further analysis of cells grown in those vessel types, please set up the measurement selecting a plate type (e.g. 96 well plate) instead.