

Automated Fluorescence Cell Counter

This Quick Start Guide provides instructions for using the LUNA-FL™ with Acridine Orange/Propidium Iodide Stain in Fluorescence Cell Counting Mode.

For detailed instructions, please refer to the user manual in the supplied USB drive.

1. Prepare & load your sample.

- Mix 18 μ L sample with 2 μ L Acridine Orange/Propidium Iodide Stain.
- Load 10-12 μ L mixture into the chamber of a PhotonSlide™ or a LUNA™ Reusable Slide.



2. Turn on the LUNA-FL™ and insert the slide.

- Insert the slide completely into the slide port of the counter.



3. Count cells.

- Select Fluorescence Cell Counting Mode.
- Use the focus knob to focus on the sample.
- Press “Bright Field” to switch to the fluorescence preview mode. Adjust the level of exposure.
- Make sure that the cells have settled down before pressing **Count**.
- Press **Count** to start cell counting.



4. View and save results.

- Press **Save/Print** to save or print results.
- Press **Graph** for cell size gating.
- Press **Images** to see images of the counted cells.

