

# LUNA-STEM™

## Automated Fluorescence Cell Counter

Quick  
Start  
Guide

This Quick Start Guide provides instructions for using the LUNA-STEM™ with Acridine Orange/Propidium Iodide Stain.

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

### 1. Prepare & load your sample.

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



### 2. Turn on the LUNA-STEM™ and insert the slide.

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



### 3. Count cells.

- In brightfield mode, use the focus knob to focus.
- 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.

