

This Quick Start Guide provides instructions for using the LUNA-FX7™. For detailed instructions, please refer to the user manual in the supplied USB drive.

### 1. Sample preparation and loading

Brightfield	Fluorescence
For viable cell counting, mix cell suspension with trypan blue 0.4% solution at a 1:1 ratio.	Mix cell suspension and pre-mixed AO/ PI solution at a 1:9 ratio.
For total cell counting, load cell suspension into the slide without trypan blue staining.	

- For LUNA™ 1-Channel Slide, load **50 µL mixed** sample onto the slide.
- For other slides, load **10 µL mixed** sample onto the slide.

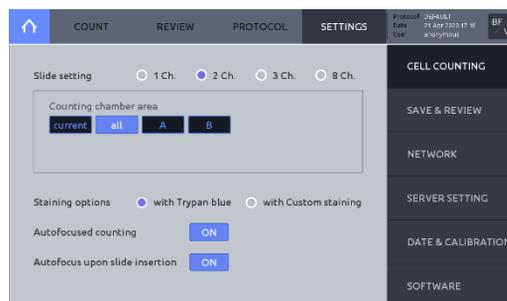
### 2. Sample measurement

- Turn instrument power on.
- Select cell counting mode from three counting options.
  - Bright Field: Total Cell Counting, Cell Counting & Viability
  - Fluorescence: Cell Lines & Primary Cells, Advanced
  - Quality Control



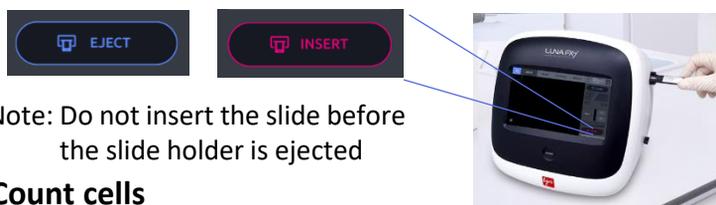
### 3. Slide and autofocus settings

- Go to **SETTINGS**.
- Set the options for slide, chamber area, and autofocus.
- Go back to **COUNT**.



### 4. Slide insertion/removal

- Press **EJECT** and insert your slide into the slide port.
- Press **INSERT**.



Note: Do not insert the slide before the slide holder is ejected

### 5. Count cells

- Prior to counting, make sure that the image is in focus.
- Press the **light bulb icon** to adjust the intensity of each light filter as needed.
- Make sure that cells have settled.
- Press the **COUNT** button.



### 6. View and Save Results

- Check the counting result.
- Press **HISOTRAM & GATING** for cell size gating.
- Press **SAVE & PRINT** to save or print cell count data & images.

