

This Quick Start Guide provides instructions for total microbial cell counting with the QUANTOM Tx™. For detailed instructions, refer to the user manual in the supplied USB drive.



QUANTOM Tx™ Microbial Cell Counter



QUANTOM™ Centrifuge

### 1 SAMPLE PREPARATION

1. Prepare a microbial cell suspension.
2. Mix 10  $\mu\text{L}$  sample with 1  $\mu\text{L}$  **QUANTOM™ Total Cell Staining Dye** and 1  $\mu\text{L}$  **QUANTOM™ Total Cell Staining Enhancer**.
3. Add 8  $\mu\text{L}$  **QUANTOM™ Cell Loading Buffer I** to the mixture. Mix gently so as not to create bubbles.
4. Load 5-6  $\mu\text{L}$  mixture into a **QUANTOM™ M50 Cell Counting Slide**.

### 2 SAMPLE CENTRIFUGATION

1. Centrifuge at 300 RCF for 10 minutes with the **QUANTOM™ Centrifuge**.
  - ! **Caution!** *The rotor must be balanced.*
  - ! **Caution!** *The rotor cover must be closed securely.*
2. Remove the slide carefully so as not to disturb the sample.

### 3 SAMPLE COUNTING

1. Insert the slide gently into the **QUANTOM Tx™** slide port. Press INSERT.
2. (Optional) Turn on the light to view the cells.
3. (Optional) Press Autofocus to bring cells into focus.
4. Press COUNT to start counting.

### 4 DATA REVIEW & EXPORT

1. Counting results will appear automatically on the screen.
2. Press the ◀ ▶ arrows to go through the captured images.
3. Press Histogram & Gating to see a graphical representation of the data.
4. Press Dilution for the dilution calculator.
5. Press Save & Print to save to the **QUANTOM Tx™** SSD drive.