

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 μL sample with 1 μL **QUANTOM™ Total Cell Staining Dye** and 1 μL **QUANTOM™ Total Cell Staining Enhancer**.
3. Add 8 μL **QUANTOM™ Cell Loading Buffer I** to the mixture. Mix gently so as not to create bubbles.
4. Load 5-6 μL 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. Make sure the light is on.
3. Press Autofocus or use the Focus control bar to bring the first field 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.