

USE OF THE QUEBEC DARKFIELD COLONY COUNTER

More specific information regarding the Quebec Colony Counter is available in the following manual: https://www.reichertai.com/clientuploads/directory/download_pdfs/Quebec%20Colony%20Counter%20User%20Guide.pdf. Though this manual is for models that differ from the one in the laboratory, all operate in the same manner.

The following instructions refer to the instrument shown Fig. 8 below

- 1) Disinfect both probe tips with an alcohol wipe. Appropriately discard the wipe.
- 2) Place the agar plate to be counted on the gridded glass counting plate.
- 3) On the plate holder at the bottom counting plate, loosen the two thumbscrews to center the culture plate.
- 4) Plug the ground contact and the counting probe into the electric receptacles on the back of the instrument.
- 5) Remove the Petri dish lid and set it aside.
- 6) Position the ground contact with magnetic base near the Petri dish culture to be counted. Place the L-shaped probe tip on the agar surface that is devoid of any microbial growth.
- 7) Turn on the instrument to back illuminate the agar plate, then zero the automated counter by pushing the bar beneath the counter.
- 8) Using the probe tip, touch each colony to be counted. Counts shall be automatically registered on the counter.
- 9) When counts have been completed, replace the lid on the culture plate.
- 10) Repeat Steps 5-9 for each additional culture plate to be counted.
- 11) When all plates have been counted, be sure to appropriately disinfect both probes, discard all unwanted culture plates, and turn off the colony counter.

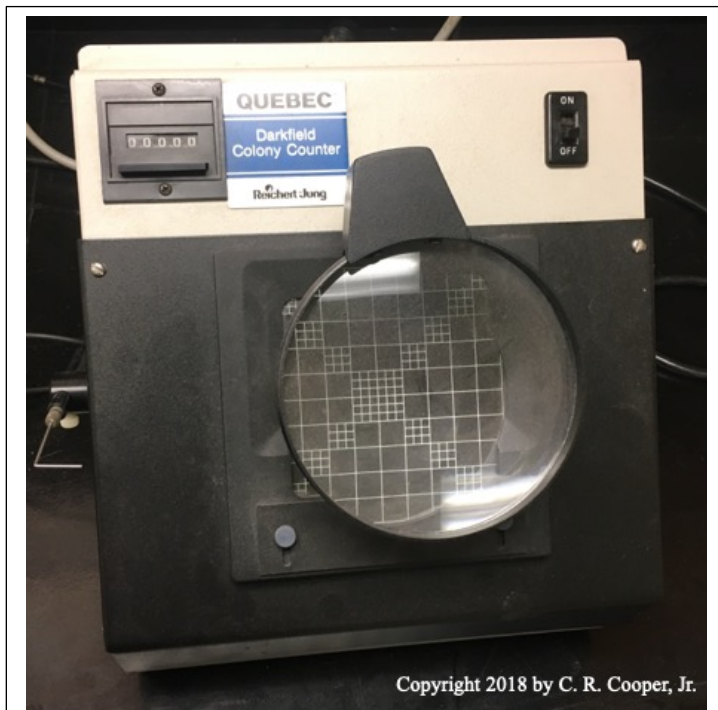


Figure 8. Quebec Colony Counter. The colony counter can be used with spread or pour plates to count the number of colonies.