

SOP-M0022

“Defogging” solution for BEAM/BARDOT Growth Rectangle Plates: Preparation and Application

Objective: To prepare a solution for prevention of “fogging” of BEAM/BARDOT plates, and to describe its application to plates before analysis

Procedure: Use Triton-X and Ethanol

Apply to plates: VWR cat#62409-600 Omni Tray w/lid, Sterile cs60 (Mfr #242811)

1. Measure 5ml of Triton X into a small (25ml) Pyrex bottle.
2. Measure 5ml of absolute ethanol into the same bottle. Close lid tightly. Mix vigorously! The defogging solution is now ready for use.
3. To apply to the plates: in the fume cabinet invert plates so that the lid is on the bottom.
4. Remove the agar-containing portion and place so that it remains inverted on a clean surface. DO NOT EXPOSE THE AGAR TO THE AIR. The inside of the lid will be exposed.
5. If required, remove excess moisture from the lid using a delicate task wipe (eg. Kimtech brand).
6. Add 10µl of defogging solution to the lid interior.
7. Immediately after, spread the solution evenly across the lid interior using a sterile alcohol prep pad (eg. Fisher brand).
8. When the lid is clean and smear-free, replace the lid onto the agar plate. The plate is now ready for inoculation with a bacterial culture.

Created by: Stephen On

Verified by: _____ **Date:** 10/23/2019 _____

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