

INSTRUCTIONS FOR OPENING AND REVIVING OF FREEZE-DRIED BACTERIOPHAGES

Freeze-dried bacteriophage lysates are supplied in vacuum-sealed ampoules. Care should be taken when opening the ampoule. All instructions given below should be followed closely to prevent contamination of the culture. Cultures should be grown on media and under conditions as recommended in the CCM Catalogue.

1. Prepare an actively growing broth culture of the propagating strain before opening the ampoule.
2. Check the CCM on the label inside the ampoule.
3. Make a file cut on the ampoule near the middle of the plug.
4. Disinfect the ampoule with an alcohol-dampened gauze/or alcohol-dampened cotton wool from just below the plug to the pointed end.
5. Apply a red-hot glass rod to the file cut to crack the glass and allow air to enter slowly into the ampoule.
6. Remove the pointed end of the ampoule into disinfectant.
7. Rehydrate the freeze-dried phage aseptically with 0.5 ml of appropriate broth using a sterile Pasteur pipette and mix carefully to avoid aerosol formation.
8. Use 0.1 ml of this suspension for the preparation of a new high-titer phage lysate by the agar layer method. Incubate the inoculated plate at appropriate conditions overnight. The remaining suspension can be preserved in a sterile glass screw-capped vial at 4°C in the dark.
9. Autoclave all the remains of the original ampoule.

Unopened ampoules should be kept in a dark and cool place.

