



How to Safeguard your Cell Culture from Contamination

Most Common Contaminants

Bacteria Fungi
Yeasts Mycoplasma

Contamination of your cell culture can be the result of any of these conditions:

- Contaminated glass or plastic ware, cell line, or media
- Improper technique
- Incubator and its components
- Airborne contaminants
- Lab environment and instruments

CO₂ Incubator needs to be cleaned with a disinfectant or detergent first and then rinsed with sterile water followed by 70% alcohol.

Avoid using chlorine-based detergents/disinfectants.

Change water (sterile water is recommended) in water pan periodically.

Allow autoclaved water to cool before adding to water pan.

Change the ULPA filter at least once a year or when the filter is dirty by visual inspection.

Do not keep CO₂ Incubator door open for too long.

Avoid talking, laughing, coughing, when opening CO₂ Incubator door.

Always wear gloves.

Keep air clean: no eating, drinking, and smoking.

Always wear clean lab coat.

Avoid leaving medium and culture container on containment surfaces.

