



Basic Disinfection Practices for Tissue Culture Laboratories

40-MINUTE ONLINE COURSE | LEVEL 1

OVERVIEW

Basic Disinfection Practices for Tissue Culture Laboratories introduces disinfection methods for laboratories working with infectious agents. Emphasis is placed on common sources of contamination, choosing the right type of disinfectant, best practices for tissue culture laboratories, and how to clean the laboratory and equipment.

Five Takeaways:

1. Identify the biosafety level to be used handling human tissues.
2. Describe what personal protective equipment should be used in different scenarios.
3. Define which laboratory processes require a written standard operating procedure.
4. Explain how often floors, bench-tops, and other laboratory equipment can be cleaned/ disinfected.
5. Describe the appropriate means to clean/dispose of contaminated flasks, bottles, trays, etc.

AGENDA

- **Introduction: Tissue Culture and Contamination** identifies the biosafety level to be used when handling human tissues and describes how most contamination happens in a tissue culture lab.
- **Choosing a Disinfectant** defines decontamination, identifies where to find a list of approved disinfectants, and describes the appropriate use of alcohol for cleansing.
- **Best Practices for Tissue Culture Laboratories** describes what personal protective equipment (PPE) should be used in different scenarios and explains methods for decreasing/ eliminating cross contamination.
- **Standard Operating Procedures** defines which laboratory processes require a written standard operating procedure and discusses special considerations of laboratory water baths as sources of contamination.
- **Cleaning and Waste Disposal** explains how often floors, bench-tops, and other laboratory equipment should be cleaned/disinfected and describes the appropriate means of cleansing/ disposing of contaminated flasks, bottles, trays, etc.