



honeyman
TRAINING



Microbiology

for
Non-Microbiologists

Pharmaceutical Microbiology for Non-Microbiologists

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2 Days Virtual Training



Who Should Attend?

Anyone who works in a sterile product manufacturing operation or non-sterile operation where microbiology is controlled but who is not directly involved in microbiology or is new to this area.

Controlling microbiology throughout the manufacturing process is a key success factor for production.

Microbiology is unseen and data is history, effective control requires all disciplines to be involved in the control measures and any out of specification investigations. Therefore, all key personnel should have a thorough understanding of microbiology. This course is designed to give non-microbiologists a comprehensive introduction to microbiology so that they can engage in the required control measures, investigations and corrective actions.

Course Objectives & Learning Outcomes

- Understand the basic principles of pharmaceutical microbiology.
- Be able to understand how microbiology is of a concern to your manufacturing processes.
- Understand the main sources of microbiological contamination.
- Be able to constructively participate in microbiological risk assessments.
- Understand how to effectively reduce microbiological hazards and contamination within your facility.
- Review microbiological data and understand the methods of analysis control within the cleanroom.
- Micro requirements for sterile and non-sterile product manufacture.
- Appreciate the importance of microbiological data and control in pharmaceutical and medical device manufacture.
- Reading micro-organisms on Agar plates.
- Monitoring methods: sampling methods, isolation and counting.
- Interpretation of microbiological data.
- Gram positive and gram negative bacteria, and gram staining.
- Bacterial identification (bacteriology and mycology).
- Spores and spore forming microorganisms.
- Be able to participate in out-of-specification investigations & Implement control measures.

Course Programme

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Informative, educational, enthusiastically delivered.
This will be a regular event for our department.
Microbiology Manager,
Portsmouth Hospital

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DAY ONE

- Micro Spectrum
- Microbial Nutrition and Media Selection
- Microbial Virulence
- Microbial ID
- Microbial Testing
- Microbiological Practical Sessions
- EM, Identification

DAY TWO

- Sources of Contamination
- Bioburden Control
- Environmental Monitoring
- Objectionable Organisms
- Data Interpretation
- Trend Analysis
- OOS Investigation
- Plate Reading Practical Microbial Testing
- Objectionable Organisms Demonstration
- Learning Assessment
- End of Course Questions

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