

# Training Details

## Essentials of Testing and Control of Microbial Quality of Nonsterile Drug Substances and Products (Classroom)

Event Classroom 8 hours

This course provides a comprehensive understanding of practices in the testing and control of bioburden/contamination of non-sterile drug substances and products in the pharmaceutical industry and gives an overview of the USP general chapters that address microbiological testing and bioburden control of nonsterile substances and products.

- <51> Antimicrobial Effectiveness Testing
- <61> Microbiological Examination of Nonsterile Products: Microbial Enumeration Tests
- <62> Microbiological Examination of Nonsterile Products: Tests for Specified Microorganisms
- <1111> Microbiological Examination of Nonsterile Products: Acceptance Criteria for Pharmaceutical Preparations and Substances for Pharmaceutical Use <1112> Application of Water Activity Determination to Nonsterile Pharmaceutical Products.
- Objectionable Microorganisms
- <1115> Bioburden Control of Nonsterile Drug Substances and Products <1117> Microbiological Best Laboratory Practices <1227> Validation of Microbial Recovery from Pharmacopeial Articles

### Who Should Participate:

- Quality assurance/quality compliance staff
- R.A. managers
- Scientists
- Investigators
- Regulatory professionals
- Other professionals who work or interact in a pharmaceutical microbiology laboratory environment

### Why Choose USP Education?

USP Education provides year-round courses and programs on how to effectively interpret and apply USP's internationally recognized quality standards. The standards help ensure the quality and safety of medicines, dietary supplements and foods.

USP courses are created by the scientists and experts who help develop the USP standards that are used worldwide. Courses are presented by approved instructors with practical, first-hand knowledge of the subject area and related standards. The insights they share will not only make your daily work easier, but will also connect you to an independent, nonprofit scientific body with the goal of creating a strong foundation for a healthier world.