



Essentials of Testing and Control of Microbial Quality of Drug Substances and Products

Course Overview

This course provides an understanding of practices in the testing and control of microbial quality of sterile and nonsterile products in the pharmaceutical industry and gives an overview of the USP General Chapters that address these topics.

Learning Objectives

By taking this course, you will learn

Essentials and understanding of microbiological testing General Chapters in the *USP-NF*:

- <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
- Objectionable Microorganisms
- <1115> Bioburden Control of Nonsterile Drug Substances and Products
- <71> Sterility Tests
- Sterility Assurance
- <85> Bacterial Endotoxins Test
- Water Microbiological Testing

Who Should Participate

Scientists, investigators, and other professionals who work or interact in a microbiology environment

Why Choose USP Global Education and Training?

USP courses are developed by “USP Subject Matter Experts”—scientists who help support the setting of USP standards used in more than 140 countries—and presented by “USP Approved Instructors”—scientists with practical firsthand knowledge of specific subject areas and proven professional presentation skills suited for the pharmaceutical industry.

Duration: One Day

Location: Lotte Hotel Seoul
30 Eulji-ro, Jung-gu, Seoul
100-721, Republic of Korea

Format: Classroom Lecture

Date: Friday, June 20, 2014

Time: 9:00 a.m. – 5:00 p.m. (Registration 8:30 a.m.)

Fee: (US) \$300.00

Group discounts available for multiple courses. Please contact **Education@usp.org** prior to registering to obtain discount code and information.

For More Information or to Register

Visit www.usp.org/meetings-courses/courses,

email us at **Education@usp.org**, or call

+1-301-230-6304. Payment can be made by credit card or check.