

Dissolution — Method Development with Case Studies

Course Overview

Building on your basic understanding of USP's approach to dissolution, this course provides a foundation for developing and validating dissolution, disintegration and drug release methods used in product development, batch release and stability testing. These tests are in vitro performance tests for dosage forms, such as tablets, capsules, suspensions, transdermal patches and suppositories. They are important components of the specifications that establish the strength, quality, purity and bioavailability of a drug product. On the second day, real case studies will be discussed in an interactive group activity.

Learning Objectives

By taking this course, you will learn about:

- Development of dissolution and drug release testing methods based on physicochemical characterization of drug substances
- Physiological considerations when setting up tests
- Selection of dissolution testing conditions, such as instruments and media
- Interpretation of dissolution test results
- Validation

Who Should Participate

- Scientists
- Lab managers
- Regulatory professionals
- Chemists who perform dissolution testing
- Product/formulation development staff

USP Approved Instructor

Margareth Marques
USP, Principal Scientific Liaison
Ph.D., analytical chemistry, State University of Campinas



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, firsthand knowledge of the subject area and related standards. The insights they share will not only make your daily work easier but also connect you to an independent, nonprofit scientific body with the goal of creating a strong foundation for a healthier world.

Duration: 2 Days

Location: Aesch, Switzerland

Format: Classroom

Course ID: CM-1092-02

Date: October 30-31, 2019, 9:00 a.m. – 5:00 p.m.

Fee: US \$1,090
Early bird price: US \$890 through June 21

To register or for information on group pricing, please visit <http://education.usp.org> or email education@usp.org.