

CE Activity Announcement

Overview of Compounding Facilities and Engineering Controls for Pharmacists

Release Date: April 24, 2019

Expiration Date: April 24, 2022

Activity Type: Application-based

Accreditation for Pharmacists



The American Society of Health-System Pharmacists is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.

Target Audience

This program is intended for pharmacists managing and developing cleanroom personnel and/or compliant compounding facilities.

Learning Objectives and Schedule of Activities

Activity CE Information	Title, Description, Faculty, and Learning Objectives
<p>ACPE # 0204-0000-19-741-H07-P</p> <p>CE Hours: 2.25 Activity Type: Application</p>	<p>Title: Overview of Compounding Facilities and Engineering Controls for Pharmacists</p> <p>This activity discusses the design, construction, and maintenance of compounding facilities including the role primary and secondary engineering controls and ancillary compounding equipment have in sterile product preparation.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Describe sterile compounding facility requirements. • Differentiate between primary engineering controls and secondary engineering controls. • Analyze principles of design, construction, and material selection for compounding environments. • Propose a downtime plan for ongoing secondary engineering control and primary engineering control maintenance. • List the secondary engineering control elements of the cleanroom environment. • Contrast work behaviors in the secondary engineering control contributing to reduction of contamination. • Describe the primary engineering controls used in compounding facilities. • Explain the principles of generating a laminar airflow environment in the primary engineering control. • Contrast appropriate use of ancillary compounding equipment. • Explain proper steps for equipment calibration and maintenance documentation.

Faculty Information

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Pharmacy Clinical Consultant
The WorkingBuildings Group
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Disclosures

In accordance with the ACPE's and ACCME's Standards for Commercial Support, anyone in a position to control the content of an educational activity is required to disclose to the accredited provider their relevant financial relationships. In accordance with these Standards, all potential conflicts of interests have been resolved. *An individual has a **relevant financial relationship** if he or she (or spouse/domestic partner) has a financial relationship in any amount occurring in the last 12 months with a commercial interest whose products or services are discussed in the activity content over which the individual has control.*

As defined by ACCME, a **commercial interest** is any entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients. The Standards for Commercial Support do not consider providers of clinical service directly to patients to be commercial interests.

- Elaine Strauss, Pharm.D., M.S., WorkingBuildings Group: consultant
- All other planners, presenters, reviewers, and ASHP staff report no financial relationships relevant to this activity.

Methods and CE Requirements

This online activity consists of a combined total of 16 learning modules. Pharmacists are eligible to receive a total of 38.00 hours of continuing education credit by completing all 16 modules within this certificate program.

Participants must participate in the entire activity, complete the evaluation and all required components to claim continuing pharmacy education credit online at ASHP eLearning Portal. Follow the prompts to claim credit and view your statement of credit within 60 days after completing the activity.

Important Note – ACPE 60 Day Deadline:

Per ACPE requirements, CPE credit must be claimed within 60 days of being earned – no exceptions! To verify that you have completed the required steps and to ensure your credits have been reported to CPE Monitor, we encourage you to check your NABP eProfile account to validate your credits were transferred successfully before the ACPE 60-day deadline. After the 60 day deadline, ASHP will no longer be able to award credit for this activity.

System Technical Requirements

System Requirements Courses and learning activities are delivered via your Web browser and Acrobat PDF. Users should have a basic comfort level using a computer and navigating web sites.

View the [minimum technical and system requirements](#) for learning activities.