



## **INITIAL TRAINING IN STERILE COMPOUNDING-HOME STUDY**

This home study continuing pharmacy education (CPE) activity is intended to educate pharmacists and pharmacy technicians in the concepts and principles of preparing compounded sterile preparations (CSPs) as set forth in USP-NF Chapter <797>: Pharmaceutical Compounding- Sterile Preparations and USP <800>: Hazardous Drugs: Handling in the Healthcare System. The activity is recognized by the Alabama Board of Pharmacy (ALBOP) as an educational training activity for receiving Sterile Compounding Pharmacist recognition (see below for more details).

Event will be delivered as asynchronous content in the Samford University Canvas Connect Learning Management System (LMS) (See technical specifications below). Participants will receive 6 hours (0.6 CEUs) of non-live, CPE credit upon successful completion.

### **Faculty\*:**

John Arnold, Ph.D., RPh

Professor and Director, Non-Degree Programs

McWhorter School of Pharmacy Faculty

\*Faculty has no relevant conflict of interest to disclose

This is a knowledge-based CPE activity and appropriate for all pharmacists and pharmacy technicians. To obtain CPE credit, the participant must complete all activity sections and successfully complete the online, written exam (a score of 70% is required to successfully complete the written exam. Participants will have 2 attempts). Credit will be sent through the CPE Monitor within 30 days of completion. To receive Sterile Compounding Pharmacist recognition with the ALBOP, pharmacists must also complete the 2-credit hour CPE activity entitled "Initial Training in Sterile Compounding-In Person Application" (ACPE Program number: ) to demonstrate proficiency in aseptic technique. Click [here](#) for initial ALBOP Sterile Compounding Pharmacist recognition for pharmacists.

**Activity ACPE Program numbers: 0002-0000-23-010-H07-P; 0002-0000-23-010-H07-T**

### **Method of Delivery of Activity Content:**

Upon course registration, the participant will be sent an online link to enroll in the Samford University Canvas Connect LMS activity site. After enrollment, the participant will receive further instructions for navigating the LMS. Content for the activity is intended to be self-paced. However, participants must successfully complete the content of this activity prior to being allowed to participate in the CPE activity entitled "Initial Training in Sterile Compounding-In Person Application."

### **Technical Specifications (Canvas Connect LMS):**

Screen Size: Canvas is best viewed at a minimum of 1024x600, which is the average size of a notebook computer. If you want to view Canvas on a device with a smaller screen, we recommend using the Canvas mobile app.

Browsers: Because it's built using web standards, Canvas runs on Windows, Mac, Linux, iOS, Android, or any other device with a modern web browser. Canvas supports the last two versions of every browser release. It is highly recommend updating to the newest version of whatever browser you are using as well as the most up-to-date Flash plug-in.

Operating Systems: Windows XP SP3 and newer, Mac OSX 10.6 and newer, or Linux – ChromeOS

Mobile Operating System Native App Support: iOS 7 and newer or Android 2.3 and newer

Computer Speed and Processor: Use a computer 5 years old or newer when possible, 1GB of RAM, and 2GHz processor

Internet Speed: Minimum of 512kbps

### **Pharmacist Learning Objectives:**

Following the activity, the participant should be able to:

- Describe the current regulations impacting the preparation of compounded sterile preparations (CSPs).
- Summarize the scope of USP <797> (e.g., conditions that could cause harm to patients, medical personnel and medical settings that must adhere to USP <797, dosage formulations that must be prepared and maintained under sterile conditions).
- Provide the general requirements of clean room suites or segregated compounding areas (SCA) (e.g., layout, segregated compounding areas (SCAs), secondary engineering controls (SECs), primary engineering controls (PECs), temperature requirements, humidity requirements, pressurization, air exchanges, ISO categories).
- Identify the knowledge and core competencies required of the sterile compounder.
- Describe the procedures sterile compounders need to adhere to enter and work in the clean room suite or SCA.
- Review the differences between Category 1, 2, and 3 CSPs in terms of preparation requirements and beyond use date (BUD) assignment.
- Summarize the requirements for the development and maintenance of standard operating procedures (SOPs) and quality assurance (QA) programs.
- Identify what is required of certification and recertification of a clean room suite.
- Define what constitutes a hazardous drug as defined in USP <800>.
- Identify the general requirements for preparing hazardous CSPs (e.g., personnel training requirements, personal protective equipment (PPE), environmental and equipment requirements).

### **Pharmacy Technician Learning Objectives:**

Following the activity, the participant should be able to:

- Recall the historical events that have necessitated the current regulations related to sterile compounding.
- Restate the purpose of USP <797> including the conditions that could cause harm to patients.
- Identify the medical personnel and medical settings that must adhere to USP <797> when preparing compounded sterile preparations (CSPs) and the types of dosage formulations that must be prepared and maintained under sterile conditions.
- Describe the general layout of the clean room suite and segregated compounding area.
- Review the elements of aseptic technique essential to compounding CSPs.
- Differentiate between Category 1, 2, and 3 CSPs in terms of preparation requirements and beyond use date (BUD) assignment.
- Describe what is required of certification and recertification of a clean room suite.

- Identify the purpose of the National Institute for Occupational Safety and Health (NIOSH) list.
- Describe the general requirements for preparing hazardous CSPs (e.g., personnel training requirements, personal protective equipment (PPE), environmental and equipment requirements).

Cost: \$225 for pharmacists; \$175 for pharmacy technicians (cost includes registration in Application of Pharmacy Sterile Compounding Principles)

Participants can register and enroll in the activity at any time. However, once the participant has enrolled in the LMS refunds cannot be granted.

To register: [www.samford.edu/pharmacy/continuing-education](http://www.samford.edu/pharmacy/continuing-education) or for more information call (205) 726-2722

This ACPE-accredited CPE activity is conducted without commercial support or influence of any kind.



Samford University McWhorter School of Pharmacy is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.