



## KENNEDY

PHARMACY INNOVATION CENTER

### **KPIC Aseptic Technique Training Program** **Thursday, August 11 – Friday, August 12, 2022**

***Registration Deadline: Monday, August 1 at 11:59 pm***

**Program Description:** The KPIC Aseptic Technique Training Program is an intensive practice-based certificate program designed to train pharmacists, pharmacy technicians, and other health care professionals through immersive, hands-on training in the compounding of aseptic products. Learners will be provided training in aseptic technique, and objective evaluations of the preparation of Compounded Sterile Products (CSPs) according to USP <797> regulations will be conducted. The training course employs didactic training, observation, coaching, and practical skill assessments. The live session provides hands-on skills training focused on the current requirements and situations most likely to be encountered in a sterile compounding environment. Learners must successfully demonstrate competency via hands-on simulations in the state-of-the-art compounding facility.

**Target Audience:** This course is targeted towards pharmacists, pharmacy technicians, and other health care professionals responsible for preparing and evaluating sterile compounded preparations. The course will provide core training for individuals new to sterile compounding or individuals seeking to review their knowledge and skills in sterile compounding and aseptic technique.

*Note: To receive continuing education credit for the program, the participant must be a pharmacist or pharmacy technician.*

**Participation requirements:** To successfully complete the program, the participant must:

- Be able to stand for a minimum of 2-hour periods.
- Have manual dexterity to allow manipulation of needles, syringes, and other products utilized to prepare sterile products
- Have full range of motion to complete physical tasks required in the compounding processes

**Location of event:** The training program will be offered at the Aseptic Compounding Experience (ACE) Lab, located at 715 Sumter Street, University of South Carolina College of Pharmacy Campus in Columbia, SC.

**Program Dates:** August 11-12, 2022

---

#### **Program Faculty**

**Nancy Roberts**, PharmD, MS  
Program Director, Sterile Compounding Training  
Kennedy Pharmacy Innovation Center, Columbia, SC

## Program Faculty – Continued

**Richard Capps**, PharmD  
Pharmacy Manager  
Prisma Health Oconee Memorial Hospital, Seneca, SC

**Carl Dunn**, RPh  
Pharmacist  
Dorn VA, Columbia, SC

**Shay Garrison**, RPh, MPH  
Pharmacist Specialist  
Prisma Health Richland Hospital, Columbia, SC

**Tenissa N. Ray**, CPhT  
Pharmacy Technician Supervisor (Tech V)  
Prisma Health Richland Hospital, Columbia, SC

### Disclosure Statements:

Faculty Disclosures: Faculty reports no financial or personal relationship with any commercial interest producing, marketing, reselling, or distributing a product or service that appears in this presentation.

Activity Staff Disclosures: The planners, reviewers, staff and CPE committee who control content have no relevant financial relationships to disclose.

There is no commercial support for this program.

---

## Program Registration Fees, Cancellation and Refund Policies

**Registration Fees:** Pharmacists/Technicians: \$750\*.

*\*Fees will show up as "Learning Express" on your credit card statement.*

Registration is limited and will be taken on a first come first serve basis. Fee includes on-site training and continuing education credit. Registrants are responsible for any travel expenses. **For the two-day live training program lunch will be provided. Please inform us via registration question and/or email of any dietary restrictions, dietary lifestyles, or food allergies.**

**Slides:** Will be **provided electronically**, after registration they will be available in the "Course Materials" section, by August 5. It is the registrant's responsibility for downloading the slide handouts to either bring in paper form or digitally via laptop or smart device for use in the course.

*Note: If the participant has limited background knowledge in sterile compounding, they may benefit from purchasing a copy of the book referenced in the "Recommended Reading" section on page 6 of this document.*

### Cancellation Policy:

- Cancellations received in writing at least 30 days prior to program date via letter or email to [CE@cop.sc.edu](mailto:CE@cop.sc.edu) will receive a full refund minus a \$200 cancellation fee.
- UofSC COP reserves the right to cancel the entire program. In the event of a conference cancellation, each participant will be notified via phone and/or email at least 14 days prior to the program and a full tuition refund will be made.

- In the event of inclement weather, the decision to cancel a course will be made no later than 9:00 am Eastern time the day before the program.

#### Registration transfers:

- Individuals attending the course in place of the registered individual will be honored as long as the request is made in advance of the registration deadline, which is 7 days prior to the start of the live component.

#### Refunds:

- Refund requests are subject to a \$200.00 cancellation fee and must be received 30 days prior to the start of the live component. All registration cancellations must be submitted in writing or by e-mail to the Continuing Education Department at the following address: University of South Carolina College of Pharmacy Continuing Education, 715 Sumter Street, Room 314C, Columbia, SC 29208, Email: [CE@cop.sc.edu](mailto:CE@cop.sc.edu)
- Registrants may receive 100% of the program registration fees, less the \$200.00 cancellation fee up to 30 days prior to start date of the live component. No refunds are offered for cancellations fewer than 30 days prior to the start date of the live component or for no shows.

#### Registration Deadline:

- **Registration will be accepted until 10 days prior to the start of the live practice-based component (Monday, August 1 at 11:59 pm) or until capacity has been reached.**

---

#### Accreditation Information

The University of South Carolina College of Pharmacy is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. The KPIC Aseptic Technique Training Program has been accredited for **16 hours** of live programming.



- For successful completion for the live practice-based activity, participants will be required to attend the accredited program in its entirety, successfully demonstrate practice-based competencies using planned simulations, and complete speaker and program evaluations. This practice-based activity has been approved for **16** contact hours (1.6 CEUs) of live continuing education credit. **ACPE# 0062-0000-22-141-L07-P/T**. Initial Release Date: 08/11/2022 Expiration Date: 08/11/2025
- Credit claimed will be automatically uploaded to CPE Monitor. Each participant is required to provide their NABP ePID and month and day of birth; CPE credit will not be issued to individuals that do not provide this information. ACPE now requires that all completed pharmacy continuing education credits must be processed and claimed no later than 60 days from the date of the live activity.

## COURSE GUIDE AND LEARNING OBJECTIVES

### LIVE COMPONENT

The goal of this course is to provide training followed by objective evaluations of preparers of Compounded Sterile Products (CSPs) according to USP <797> regulations through the use of didactic training, written competence assessments, observations, coaching and practical skill assessments.

The live practice-based component will be held over 2 days and will provide 16 hours of live ACPE approved credit for pharmacists and pharmacy technicians:

### KPIC Aseptic Technique Training Curriculum Schedule

#### Day 1

Time	Session	Format
8:00 am – 8:30 am	Registration, Welcome, Introductions	
8:30 am – 9:30 am	– Overview of USP<797>	Lecture
9:30 am – 9:45 am	Break	
9:45 am – 11:00 am	– Hand Hygiene, Personal Protective Equipment, Garbing	Lecture/ Interactive Demo
11:00 am – 12:30 pm	– Dirty Fingertip Sampling, Hand Hygiene, and Garbing Demo – Garbing, Hand Hygiene Competency – Gloved Fingertip Sample Competency	Interactive Demo/ Hands-on
12:30 pm – 1:15 pm	Lunch	
1:15 pm – 2:15 pm	– Primary and Secondary Engineering Controls – Laminar Air Flow Workbench (LAFW)	Lecture
2:15 pm – 3:30 pm	– Environmental cleaning/disinfection/monitoring	Lecture
3:30 pm – 3:45 pm	Break	
3:45 pm – 5:30 pm	– Cleaning/Disinfecting LAFWs Competencies <b>Demos:</b> <ul style="list-style-type: none"> <li>• Hood Cleaning</li> <li>• Smoke Test Demo</li> <li>• Particle Generation Demo</li> </ul>	Interactive Demo/ Hands-on

## Day 2

Time	Session	Format
8:00 am – 8:30 am	– Questions and Review	Lecture
8:30 am – 9:30 am	– Introduction to sterile compounding	Lecture/ interactive demo
9:30 am – 9:45 am	Break	
9:45 am – 11:15 am	– Discussion of Aseptic Technique and Low/Medium Risk Sterile Compounding	Lecture/ Interactive Demo/ Hands-on
11:15 am – 12:15 pm	– Overview of Supplies, Equipment, and Calculations for Hands-On Training	Lecture/ Interactive Demo
12:15 pm – 1:00 pm	Lunch	
1:00 pm – 2:00 pm	– Compatibility, stability, BUDs, labeling and verifying CSPs	Lecture/ interactive demo
2:00 pm – 2:15 pm	Break	
2:15 pm – 3:45 pm	– Hands-On Training of Low/Medium Risk Sterile Compounding & Aseptic Technique	Hands-on
3:45 pm – 5:15 pm	– <i>Assessment</i> of Student Skills in Low/Medium Risk Sterile Compounding and Aseptic Technique ( <i>Media Fill</i> )	Hands-on

### ***Live Practice Based Learning Objectives:***

*After completion of this activity, the **pharmacist and pharmacy technician** will be able to:*

- Identify USP<797> requirements for the training and evaluation of preparers of CSPs as well as the responsibilities of personnel
- Explain the need for sterile products and the importance of aseptic compounding
- Demonstrate proper garbing procedure, and hand hygiene
- Apply understanding of critical sites and airflow in sterile compounding
- Analyze the difference between primary and secondary engineering controls
- Define ISO classifications 5, 7, and 8
- Describe the layout of a typical clean room, define ante area and buffer area
- Demonstrate proper cleaning/disinfecting processes
- Examine supplies used for CSPs and identify factors that influence selection
- Demonstrate proper technique to aseptically attach needle to syringe and withdraw contents from an ampule. Then inject contents into IV bag following all USP <797> guidelines and utilizing appropriate aseptic technique.
- Demonstrate proper technique to aseptically attach needle to syringe and withdraw contents from a vial and reconstitute a vial, using proper technique for accommodating positive and negative pressure in a vial. Then inject contents into IV bag following all USP <797> guidelines and utilizing appropriate aseptic technique
- Conduct a “media fill test” to assess ability to aseptically compound sterile preparations

## RECOMMENDED READING

If participants have limited background in sterile compounding and would like to prepare in advance for the live course, we recommend the following textbook: *Concepts in Sterile Preparations and Aseptic Technique*, Burlington, MA: Jones and Bartlett Learning; 2015, ISBN: 978-1-284-03572-8.

The book can be purchased from major book sellers such as:

- Amazon: <https://www.amazon.com/Concepts-Sterile-Preparations-Aseptic-Technique/dp/1284035727>
- Abebooks: <https://www.abebooks.com/9781284035728/Concepts-Sterile-Preparations-Aseptic-Technique-1284035727/plp>
- Biblio: <https://www.biblio.com/9781284035728>

Specific chapters and page numbers that would be of particular use in preparation are:

- Chapter 1: Pages 1-15 with review questions on pages 14-15
- Chapter 2: Pages 17-62 with review questions and case studies on page 62
- Chapter 4: Pages 107-135 with review questions and case study on pages 135-137.
- Chapter 5: Pages 141-171 with review questions and case study on pages 171-172.
- Chapter 6: Pages 175-220 with review questions and case studies on pages 220-222.
- Chapter 11: Pages 347-367 with review questions and case studies on pages 367-369.

---

**Contact Information:** If you have questions about this CPE activity, please contact the CE office at 803-777-9979 or [CE@cop.sc.edu](mailto:CE@cop.sc.edu)

---