



**KENNEDY**  
PHARMACY INNOVATION CENTER

**Aseptic Technique Training Program**  
**Thursday, December 12 – Friday, December 13, 2024**

**Registration Deadline: Wednesday, November 27<sup>th</sup> at 4:00 pm (ET) or until capacity has been reached**

**Program Description:** The KPIC Aseptic Technique Training Program is an intensive certificate-based 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:** *This course is only accredited pharmacists or pharmacy technicians.*

**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, Columbia, SC 29208.

**Program Faculty**

<b>Shay Garrison, RPh, MPH</b> Pharmacist Specialist Prisma Health Richland Hospital, Columbia, SC	<b>Tenissa N. Ray, CPhT</b> Pharmacy Technician Supervisor (Tech V) Prisma Health Richland Hospital, Columbia, SC
<b>Carl Dunn, RPh</b> Pharmacist Dorn VA, Columbia, SC	

**Disclosure Statements:**

**Disclosures:** Faculty, planners, reviewers, staff, and CPE committee report no financial or personal relationship with any commercial interest producing, marketing, reselling, or distributing a product or service that appears in this program. There is no commercial support for this program.

## Program Registration Fees, Cancellation and Refund Policies

**Registration:** To register, visit <http://cop.sc.learningexpressce.com/>.

**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 served basis. Fee includes on-site training and continuing education credit. Registrants are responsible for any travel expenses. **For the two-day live training program breakfast, lunch, coffee, and snacks will be provided. Please inform us via registration question and/or email of any dietary restrictions, dietary lifestyles, or food allergies.**

*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 4 of this document.*

**Handouts/Slides:** Will be made available to all participants to download/print prior to the course (on or around December 9<sup>th</sup>) via registration portal.

### 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.
- **All cancellations within 30 days prior to the start of the live component will receive NO refund. This includes those registering with a code for billing a third party after completing the training.**
- USC 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 event (at least 7 days).

### 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 314B, 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 15 days prior to the start of the program (Wednesday, November 27<sup>th</sup> at 4:00pm ET) or until capacity has been reached.**

**Continuing Education Credit Requirements:** To obtain continuing education credit, participants must sign in upon arrival, have attendance verified, attend the program in its entirety, successfully demonstrate practice-based competencies using planned simulations, and fully complete the associated online evaluation. Failure to complete the evaluation within 30 days of attendance may result in loss of credit. The NABP CPE Monitor will not accept credit submitted greater than 60 days from the date of attendance.



**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. For successful completion for the live certificate-based activity, participants will be required to attend the accredited program in its entirety, successfully demonstrate certificate-based competencies using planned simulations, and complete speaker and program evaluations. This certificate-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 and Certificate program #0062-22-003-CP.**

**Program Schedule:** All times shown are Eastern (specifics subject to change)

**Day 1**

Time	Session	Format
8:00 – 8:30 am	Registration, Welcome, Introductions	
8:30 – 9:30 am	– Overview of USP<797>	Lecture
9:30 – 9:45 am	Break	
9:45 – 11:00 am	– Hand Hygiene, Personal Protective Equipment, Garbing	Lecture/Interactive Demo
11:00a – 12:30 p	– Dirty Fingertip Sampling, Hand Hygiene, and Garbing Demo – Garbing, Hand Hygiene Competency – Gloved Fingertip Sample Competency	Interactive Demo/ Hands-on
12:30 – 1:15 pm	Lunch	
1:15 – 2:15 pm	– Primary and Secondary Engineering Controls – Laminar Air Flow Workbench (LAFW)	Lecture
2:15 – 3:30 pm	– Environmental cleaning/disinfection/monitoring	Lecture
3:30 – 3:45 pm	Break	
3:45 – 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 – 8:30 am	– Questions and Review	Lecture
8:30 – 9:30 am	– Introduction to sterile compounding	Lecture/ Interactive Demo
9:30 – 9:45 am	Break	
9:45 – 11:15 am	– Discussion of Aseptic Technique and Low/Medium Risk Sterile Compounding	Lecture/ Interactive Demo/ Hands-on
11:15a – 12:15 p	– Overview of Supplies, Equipment, and Calculations for Hands-On Training	Lecture/ Interactive Demo
12:15 – 1:00 pm	Lunch	
1:00 – 2:00 pm	– Compatibility, stability, BUDs, labeling and verifying CSPs	Lecture/ Interactive Demo
2:00 – 2:15 pm	Break	
2:15 – 3:45 pm	– Hands-On Training of Low/Medium Risk Sterile Compounding & Aseptic Technique	Hands-on
3:45 – 5:30 pm	– Assessment of Student Skills in Low/Medium Risk Sterile Compounding and Aseptic Technique ( <i>Media Fill</i> )	Hands-on

## Learning Objectives for Pharmacists and Pharmacy Technicians:

At the conclusion of this program, pharmacists and pharmacy technicians will be able to:

1. Identify USP<797> requirements for the training and evaluation of preparers of CSPs as well as the responsibilities of personnel
2. Explain the need for sterile products and the importance of aseptic compounding
3. Demonstrate proper garbing procedure, and hand hygiene
4. Apply understanding of critical sites and airflow in sterile compounding
5. Analyze the difference between primary and secondary engineering controls
6. Define ISO classifications 5, 7, and 8
7. Describe the layout of a typical clean room, define ante area and buffer area
8. Demonstrate proper cleaning/disinfecting processes
9. Examine supplies used for CSPs and identify factors that influence selection
10. 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.
11. 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
12. 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.

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## 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)

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