

Aseptic Technique Compounding Training

A full 360 of aseptic compounding.



BEST FOR:

- Pharmacists and technicians needing to fulfill initial aseptic training requirements by their state board of pharmacy in order to compound sterile preparations
- Pharmacy staff needing education on USP <797> and <800> requirements in a sterile environment
- Those compounding low-, medium- and/or high-risk level preparations

CE:

- 40 hours of CE offered (20.0 hours online pre-class coursework; 17.0 hours live; 3.0 hours legal/regulatory)

PRICE:

- \$3,345.00 USD (includes \$350 for ASHP home study course materials)

YOUR COMPETITIVE ADVANTAGE

The only training course designed to provide the full 360 of aseptic compounding, teaching you how to compound low-, medium-, and high-risk level sterile preparations. Learn real-life aseptic applications from **Keisha Lovoi, RPh**, who owns and operates a sterile compounding pharmacy and was elected to the 2010-2015 USP Compounding Experts Committee, and **Megan Jeffrey Liotta, MS**, who has years of microbiology experience.

**MULTIPLE ATTENDEE
REGISTRATION DISCOUNTS.**
See page 4 for details.

COURSE DESCRIPTION

This application-based course will provide you with the accuracy and quality practices necessary to prepare compounded sterile preparations that meet and exceed the requirements of USP Chapters <797> and <800>. During the 2-1/2 days of highly interactive and engaging activities, you will focus on aseptic process, technique, skill, and practical knowledge in a mock sterile compounding environment.

Hands-on preparation of low-, medium- and high-risk compounds will be performed along with media-fill testing. Learn how to prepare low- and medium-risk level compounds including sterile solutions and manipulation of injectable solutions. Furthermore, you will learn how to prepare quality high-risk level compounds including ophthalmic ointments, intrathecal and oil injections. Attendees will also focus on basic microbiology including discussions on proper gowning procedures, cleaning and disinfection methods and practical considerations of USP <800>.

COURSE PREREQUISITE

Completion of the Comprehensive Compounding Course (C3) is required, or you will be asked to sign a Pre-Qualification Release Form prior to class participation.

ACCREDITATION INFORMATION

Pharmacists and pharmacy technicians completing this program in its entirety will receive 40 hours of continuing education credit (4.0 CEUs). The program is comprised of three parts: (1) Aseptic Technique Pre-class Coursework (20 hours or 2.0 CEUs), (2) Aseptic Technique Compounding Course (17 hours or 1.7 CEUs), and (3)

Aseptic Technique Compounding Course – Legal & Regulatory Issues (3 hours or 0.3 CEU).

CE & CERTIFICATE OF COMPLETION REQUIREMENTS

1. The pre-class coursework must be completed prior to attending the hands-on lab training in Houston
2. A minimum score of 70% on the exam is required to obtain CE credit of 40 hours
3. To obtain CE and receive a certificate of completion, you must complete the pre-course classwork and attend **in its entirety** the live course in Houston, Texas

HOW IT WORKS



1. REGISTER on the last page and return via fax, or online at www.pccarx.com/education



2. RECEIVE A CONFIRMATION EMAIL At this point, your pre-class course-work will be mailed to you.



3. COMPLETE PRE-CLASS WORK Includes a DVD, study guide, textbook readings and online exam.



4. ATTEND LIVE TRAINING 2-1/2 days of hands-on lab training supported by classroom lectures.



5. EVALUATION TIME Within 14 days after class, log in to evaluate your class and print your CE certificate.

LEARNING OBJECTIVES

Pre-Class Coursework:

ACPE UAN #0829-0000-15-119-H04-P / 0829-0000-15-119-H04-T
20.0 contact hours (2.0 CEUs)

1. Discuss sterile pharmaceutical compounding including concepts, techniques and procedures.
2. Perform pharmaceutical calculations involved in sterile compounding including metric conversion, percentage strength and isotonicity.
3. Describe the various methods of sterilization, storage requirements and process validation.
4. Discuss the importance of quality control systems including environmental control, personnel and beyond-use dating.

Legal and Regulatory Issues:

ACPE UAN #0829-0000-15-029-L03-P / 0829-0000-15-029-L03-T
3.0 contact hours (0.3 CEUs)

1. Assess clean room compliance with the USP <797> guidelines.
2. Describe importance of quality assurance and quality control adoption in the laboratory policy and procedure manual.
3. Describe personnel, environmental, and product testing requirements that meet USP <797> guidelines.
4. Assess compliance with state board of pharmacy practice regulations for a sterile compounding laboratory.

Aseptic Technique Compounding Course:

ACPE UAN #0829-0000-15-028-L04-P / 0829-0000-15-028-L04-T
17.0 contact hours (1.7 CEUs)

1. Prepare sterile ophthalmics, sterile intravenous medications, sterile intramuscular high-risk level compounds including injectables and sterile intrathecal preparations.
2. Maintain appropriate cleanliness conditions of horizontal and vertical laminar flow hoods.
3. Prepare high-risk level compounds along with media-fill testing in compliance with current USP <797> regulations
4. Explain and discuss the different forms of sterilization and demonstrate selection of proper filter choice.
5. Produce and verify sterility of compounded sterile preparations using different sterilization methods, including sterilization by filtration and wet and dry heat sterilization
6. Demonstrate and explain the effects of airflow disruption when working in an ISO Class 5 environment.
7. Apply fundamental principles of microbiology as they relate to sterile compounding, cleaning and disinfection practices.
8. Complete proper aseptic hand washing techniques and gowning procedures.
9. Demonstrate the appropriate placement of materials and hands so that all critical sites receive first air.

LOCATION All training takes place at 9901 S. Wilcrest Dr., Houston, Texas.

MONEY-BACK GUARANTEE

We take great pride in developing the highest quality educational programs and providing top-notch networking and sharing opportunities at our events. More than 98 percent of all attendees give our programs an "A" grade, so we're confident that you will benefit from program content as well as the helpfulness of staff at every event. However, we want to back this up with more than just words. So our policy is to provide you with a full refund of the purchase price of the program if it hasn't met your educational goals.

If you are unsatisfied with our education content, your refund must be requested within 14 days of the completion of the program. To request a refund, email education@pccarx.com and include the attendee name, email address, phone number, program attended and a detailed explanation of why a refund is being requested. All refunds will be issued according to the original payment method.

MEET THE TRAINING TEAM



Keisha Lovoi, RPh

Keisha gained extensive knowledge in sterile compounding, infertility and women's health while working for compounding

pharmacies. Later she joined the PCCA Pharmacy Consulting Department, answering questions for members and teaching training courses for aseptic compounding and quality assurance.

Currently, Keisha works alongside her husband at their compounding pharmacy in Texas. There, she manages the pharmacy staff and is responsible for maintaining good standings with all state and federal regulations. Keisha was elected to the 2010-2015 USP Compounding Experts Committee.



Megan Jeffrey Liotta, MS

Skilled in both aseptic and environmental microbiology, Megan has experience in

pharmaceutical manufacturing, sterilization, pharmacy compounding and rapid microbiological methods. Her experience includes microbial identifications based on nucleic acid technology to include both ribotyping and DNA sequencing.

Megan joined PCCA in 2006 as a Pharmacy Compliance Specialist, then became PCCA's QC/QA & Regulatory Affairs Director. In 2018, she joined the EAGLE team as Vice President of Operations. She received a BS in biology and chemistry from Barat College and a Master's degree in biotechnology and

chemical sciences from Roosevelt University.



Beau Harger, PharmD

A graduate of the University of Mississippi, Beau became a full-time PCCA Clinical Compounding Pharmacist

in 2015. He has over 15 years of sterile and non-sterile compounding experience, including eight as the pharmacist-in-charge at Nucara Compounding Pharmacy in Austin, Texas. Beau also taught Pharmacology at William Carey College in Gulfport, Mississippi.

AGENDA

DAY ONE 8:00 a.m. – 6:00 p.m.

Low- and Medium-Risk Level

- Discussion and demonstration: Microbiology overview, contamination control, hand hygiene, laminar flow hoods, gowning procedures, gowning qualifications, fingertip plating, hood cleaning, air flow concerns, workflow within the hood
- Discussion: What does USP <797> say where my aseptic area should be within the pharmacy?
- Workflow discussion and demonstration
- Discussion and hands-on: Environmental surface testing, aseptic technique for low- and medium-risk level CSPs
- Lab: Compounding low- and medium-risk preparations
- Lab: Glove box option for compounding experience
- Eagle Analytical Services reception (Non-CE)

DAY TWO 8:00 a.m. – 5:15 p.m.

High-Risk Level

- Discussion: USP <797> and <800>
- Sterilization methods discussion and demonstration
- Discussion: Validation of all sterilization processes. How is this done?
- Lab: Compounding high-risk level preparations
- Lab: Glove box option for compounding experience
- Lab: Filter validation
- Discussion: Compounding opportunities (Non-CE)

DAY THREE 8:00 a.m. – 12:15 p.m.

- Discussion: Results from fingertip plating, environmental surface testing
- Lab: Compounding high-risk level preparations
- Discussion and demonstration: Aqueous suspensions, Branson ultrasonic cleaners, testing pH
- Lab: Glove box option for compounding experience

EQUIPMENT USED AND DISCUSSED

- OHAUS electronic balance
- Magnetic hot plate
- pH meter
- Autoclave
- Convection oven (for sterile compounding purposes)
- Filter integrity tester
- Sonicator



This continuing education activity is supported through an educational grant from PCCA. This continuing education activity is managed and accredited by Professional Education Services Group.



Professional Education Services Group is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. ACPE Universal Activity Numbers can be found next to the activity titles above.

Pharmacists and Pharmacy Technicians completing this program in its entirety, all three sections, will receive 40.0 hours (4.0 CEUs) of continuing pharmacy education.

ASEPTIC TECHNIQUE COMPOUNDING TRAINING

REGISTRATION FORM

TRAINING FEE:

Snacks, lunches, reception and materials are included in the registration fee.

ATTENDEE COST: \$3,345.00 USD ea*

Fill this out & email it back to pccaevents@pccarx.com or fax back to 281.933.6016 to reserve your spot today!

Pharmacy Information

PCCA Member #

Pharmacy Name

Address

City

State

Zip

Phone

Fax

Attendee(s) Information

Attendee #1 Name (Print the Name You Want On Your Certificate)**

Credentials / Other

Attendee's Email Address

Attendee #2 Name (Print the Name You Want On Your Certificate)**

Credentials / Other

Attendee's Email Address

Attendee #3 Name (Print the Name You Want On Your Certificate)**

Credentials / Other

Attendee's Email Address

** Print the name you want on your certificate. This will be the name on your PCCA contact record for all event registrations.

2019 Course Dates (circle your selected date)

Pre-class coursework will be mailed two months prior to class start date. **Updated Billing and Cancellation Policy:** All PCCA educational event registrations will be billed immediately to your preferred credit card; billing to member accounts is no longer available. Any cancellations received after coursework has been provided will be subject to a \$500 fee. Any cancellations received within 14 days of the class start date, including no-shows, will be charged the full course fee. The registration deadline for each training is 14 days before the class start date.

Course Date	February 20-22	April 3-5	July 10-12	August 21-23	October 23-25
Registration Deadline	February 6	March 20	June 26	August 7	October 9

Registration Fees & Payment Information

* Course cost \$3,345, which includes \$350 for ASHP home study course materials that can be utilized within a continuous training program at the pharmacy.

Charge \$_____ to my ☐ MasterCard ☐ Visa ☐ AE

Card No.:_____ Exp. Date:_____

Billing Address: _____

City:_____ State:_____ Zip/Postal Code: _____

Cardholder's Name:_____

Signature: _____

☐ **Yes.** I have attended the Comprehensive Compounding Course (C3) or Primary Training (prerequisite).

☐ **No.** I have not attended C3 or Primary Training. If you check this box, you will be contacted regarding prequalification.

MULTIPLE ATTENDEE REGISTRATION DISCOUNTS*

2 ATTENDEES = 10% DISCOUNT (\$3,045.50 EA)

3 ATTENDEES = 15% DISCOUNT (\$2,895.75 EA)

4 ATTENDEES = 20% DISCOUNT (\$2,746 EA)

5+ ATTENDEES = 25% DISCOUNT (\$2,596.25 EA)

* Discounts listed above apply to multiple attendees of the same course date. Discount applies to \$2,995 course fee only; no discount on the \$350 home study course materials. Multiple attendees must all be registered at the same time.

Hotel Accommodations & Travel Arrangements

Sugar Land Marriott Town Square 16090 City Walk • Sugar Land, TX 77479 • 281.275.8400

PCCA Rate: \$159.00 USD/night – includes complimentary breakfast and wifi.

Enterprise Rent-A-Car's Flex Rate Program gives PCCA Members 5% off the current rates at Enterprise Rent-A-Car locations nationwide when the reservation is made through www.enterprise.com (Account Number: 06C3214).

Ground Transportation for Airport Transfers (Attendee Is Responsible for Roundtrip Transportation to/from the Airport):

Merlo's Charters – 866.367.5466 or merloscharters.com; **A-Ambassador** – 713.572.5466 or aambassador.com; **Sugar Land Shuttle** – 832.434.8312 or sugarlandshuttle.com. Please make your reservations at least 72 hours in advance.

PCCA will provide transportation to/from the Marriott and PCCA facility each day of training.