

# Aseptic Technique Compounding Training

A full 360 of aseptic compounding.



## BEST FOR:

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

## CE:

- 20 hours of CE offered (online pre-class coursework)

## PRICE:

- \$2,995.00 CAD + tax

## MULTIPLE ATTENDEE REGISTRATION DISCOUNTS.

See page 4 for details.

## 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. As Megan Liotta, MS, explains:

**“If you work in a sterile compounding pharmacy, you will get requests to compound high-risk level preparations – if you’re a high-risk compounder, you can do everything in between.”**

## 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 Chapter <797>. 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. You will complete 17 hands-on lab sessions using a laminar flow hood and current aseptic technologies. Learn how to prepare low- and medium-risk level compounds including sterile solutions, ophthalmic 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.

## 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.

## COMPLETION REQUIREMENTS

The pre-class coursework needs to be completed prior to attending the hands-on lab training in London. You must score a minimum of 70% on the exam to obtain CE credit of 20 hours and to be awarded a certificate of completion.

## ACCREDITATION INFORMATION

Pharmacists and pharmacy technicians completing this program in its entirety will receive 20 hours of continuing education credit (2.0 CEUs). These credits are allotted to the Aseptic Technique Pre-class Coursework

## HOW IT WORKS



**1. REGISTER** on the last page and return via fax, or online at [www.pccarx.com/education](http://www.pccarx.com/education)



**2. RECEIVE A CONFIRMATION EMAIL**  
At this point, your pre-class coursework 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.

## 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:

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:

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 744 Third Street, London, Ontario N5V 5J2

## ASEPTIC TRAINING CREDENTIALS



### 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, and currently is the QC/QA & Regulatory Affairs Director. She received a Bachelor of Science in biology and chemistry from Barat College and a Master's degree in biotechnology and chemical sciences from Roosevelt University.



## AGENDA

### **DAY ONE** 7:45 a.m. – 4:15 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
- Discussion: Compounding opportunities

### **DAY TWO** 7:45 a.m. – 4:30 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

### **DAY THREE** 7:45 a.m. – 12:00 p.m.

- Discussion: Results from fingertip plating, environmental surface testing
- Lab: Compounding high-risk level preparations
- Discussion and demonstration: Aqueous suspensions, Bransonic 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 20.0 hours (2.0 CEUs) of continuing pharmacy education.

# ASEPTIC TECHNIQUE COMPOUNDING TRAINING

## REGISTRATION FORM

**TRAINING FEE:**

**ATTENDEE COST:** \$2,995.00 CAD ea\*

Fill this out & email it back to [canadaevents@pccarx.ca](mailto:canadaevents@pccarx.ca) or fax back to 800.799.4537 to reserve your spot today!

### Pharmacy Information

PCCA Member #

Pharmacy Name

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

Credentials / Other

Attendee's Email Address

Address

City

State

Zip

Phone

Fax

Meal Restrictions

\*\* 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

**COURSE DATE**

March 20-22

November 6-8

### Registration Fees & Payment Information

Part A: \$385 CAD (refundable upon return of DVD video)

Part B: \$2,995 CAD + Tax

☐ Bill Account \$

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

Card No.:

Exp. Date: 3-Digit Code:

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.

**new**

### MULTIPLE ATTENDEE REGISTRATION DISCOUNTS\*

2 ATTENDEES = 10% DISCOUNT

3 ATTENDEES = 15% DISCOUNT

4 ATTENDEES = 20% DISCOUNT

5+ ATTENDEES = 25% DISCOUNT

\* Discounts listed above apply to multiple attendees of the same course and same course date. Multiple attendees must all be registered at the same time.

**CANCELLATION & REFUND POLICY:** Registration fee is non-refundable, but can be transferred to another Canadian event within 12 months. \$100 administration fee will apply if cancellation is received with two weeks of the event.

### Hotel Accommodations & Travel Arrangements

**The Park Hotel London** 242 Pall Mall Street • London, Ontario N6A 5P6 • 519.642.4444

PCCA Rate: \$135.00 CAD/night | Parking: Included

Includes daily hot breakfast buffet and complimentary wifi.

Guestroom rate cut-off date is one month prior to course start date.

**Transportation:** PCCA will provide transportation to/from The Park Hotel London and PCCA facility each day of training.