

**2016-2017 Sterile Compounding Aseptics Refresher and Competency Verification
Learning and Performance Objectives for Each Session**

- 1. Critical Elements of Aseptic Technique (1 hour)**
 - List elements of proper conduct in controlled environment, proper staging of supplies, and organization of work area; re-sanitization of hands
 - Describe proper use of first air in both vertical and horizontal airflow.
 - Explain how to access and manipulate syringes, needles, ampules, vials, bags and other compounding supplies.
 - 2. Best Practices for Non-Hazardous Sterile Compounding Hand Hygiene and Garbing (0.75 hour)**
 - Correctly sequence the activities associated with hand hygiene and garbing.
 - Discuss garbing nuances and rationale.
 - 3. Lab Exercise: Hand Hygiene and Garbing (1 hour)**
 - Perform all elements of hand hygiene and garbing.
 - Practice donning sterile gloves without contaminating them.
 - 4. Lab Exercise: Aseptic Compounding Exercises (1 hour)**
 - Perform aseptic compounding using five real life scenarios.
 - Practice correct use of first air and other elements of aseptic technique.
 - 5. Considerations and Best Practices for Media Fill Testing (0.75 hour)**
 - Define the requirements for media fill testing outlined in USP <797>.
 - Examine examples of media samples that are used to develop media fill testing.
 - 6. Lab Exercise: Preparation and Labeling of plates/documentation for GFS, MFU and SS (0.5 hours)**
 - Practice labeling actual gloved fingertip and surface sampling plates in preparation for use.
 - Document required elements of information related to the use of media for Glove Fingertip Sampling (GFS), Media Fill Units (MFU) and Surface Sampling (SS).
 - 7. Lab Exercise: Hand Hygiene and Garbing Competency with GFS, Aseptic Technique Competency with Preparation of MFU, GFS and SS (1.25 hours CE)**
 - Successfully perform hand hygiene, garbing, and one instance of “initial” gloved fingertip sampling.
 - Successfully prepare media fill units, surface sampling and ongoing gloved fingertip sampling.
 - Successfully demonstrate actions leading to aseptic technique competency verification.
 - 8. Lab Exercise: Positive, Negative and Alternating Pressure Compounding (1.25 hours CE)**
 - Practice proper technique relative to using positive, negative, and alternating pressure compounding techniques.
 - Apply these techniques in real work settings.
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ACPE Credits: 7.5 hours live training