

IREDELL HEALTH SYSTEM

Compounding Intravenous HAZARDOUS DRUGS	
Approved by: Laura Rollings, PharmD, BCPS, BCGP Randi Raynor, PharmD, MBA, BCPS	Last Revised/Reviewed Date: 04/2021
P&T Committee	Date: 04/2020

Purpose

To prevent the introduction of microbes into the direct compounding area and the escape of Hazardous Drugs (HD) particles from the compounding area.

Policy

All compounding of HDs shall follow this policy unless notated differently in the Assessment of Risk (AOR).

The compounder shall:

- Minimize hand and arm movements outside the C-PEC to reduce the chances of spreading HD particulate into the C-SEC area.
- Bring supplies into the C-PEC, all at once, to minimize the number of times hands and arms move in and out of the compounding critical area.
- Move slowly to avoid air turbulence that might move HD particulate outside of the C-PEC.
- Work well within the C-PEC to minimize the chance for HD particulate to escape into the C-SEC.

Any C-PEC used for sterile compounding may be used for non-sterile compounding, but shall be limited to a *seldom* occurrence. If the C-PEC is used for the *seldom* preparation of non-hazardous medications, the final product should be assumed to be contaminated due to the medication and supplies being exposed in the C-PEC.

Procedure

Compounders shall be compliant with the appropriate USP standards for compounding, including <797>. All supplies entering the C-PEC shall be first wiped down with a sterile disinfectant wipe. A plastic-back disposable sterile chemo mat shall be used inside of the C-PEC when compounding. The mat should be disposed of in between each preparation for each patient, if spill occurs and/or regularly, during use.

When applicable, tubing to be used to administer sterile HD preparation should be attached and primed with an appropriate solution. Closed-system transfer devices (CSTDs) shall be used during compounding of HDs.

All prepared HDs shall be checked by a pharmacist prior to final product preparation by the compounder. Finished HD product containers (i.e. piggybacks) shall be wiped down with a towelette saturated with a deactivating agent, followed by wiping with a dry towelette. This shall occur prior to placing label on finished product. While inside the C-PEC, the labeled finished product shall be placed inside a designated hazardous sealable bag. Once removed from the C-PEC, the hazardous sealable bag shall be wiped down with a deactivating agent prior to placing inside a second and final hazardous sealable bag. The second and final hazardous sealable bag shall be wiped down with a deactivating agent prior to placing inside the designated transport container.

All supplies and contaminated material used during compounding shall be placed inside the waste removal ports.

INITIAL EFFECTIVE DATE: 05/2020

DATES REVISIONS EFFECTIVE:

DATES REVIEWED (no changes): 04/2021