

USP <800> Compliant Cleaning Procedures for Hazardous Drugs and Contec® Product Solutions

DEACTIVATING, DECONTAMINATING, CLEANING, AND DISINFECTING

What does USP <800>¹ say?

Page 7730 Section 15: Deactivating, Decontaminating, Cleaning and Disinfecting

All areas where HDs are handled and all reusable equipment devices must be deactivated, decontaminated, and cleaned. Additionally, sterile compounding areas and devices must subsequently be disinfected.

Agents used for deactivation, decontamination, and cleaning should be applied through the use of wipes wetted with appropriate solution and not delivered by a spray bottle to avoid spreading HD residue.

Page 7730 Section 15.1: Deactivation

The ultimate goal should be completed surface decontamination. Products that have known deactivation properties (EPA-registered oxidizing agents that are appropriate for the intended use) should be used when possible.

Care should be taken when selecting materials for deactivation due to potential adverse effects (hazardous byproducts, respiratory effects, and caustic damage to surfaces). Damage to surfaces is exhibited by corrosion to stainless steel surfaces caused by sodium hypochlorite if left untreated. To prevent corrosion, sodium hypochlorite must be neutralized...

Page 7731 Section 15.2: Decontamination

Decontamination occurs by inactivating, neutralizing, or physically removing HD residue from non-disposable surfaces and transferring it to absorbent materials (e.g., wipes, pads, or towels) appropriate to the area being cleaned.

The work surface of the C-PEC must be decontaminated between compounding of different HDs.

The C-PEC must be decontaminated at least daily (when used), any time a spill occurs, before and after certification, any time voluntary interruption occurs, and if the ventilation tool is moved.

C-PECs may have areas under the work tray where contamination can build up. These areas must be deactivated, decontaminated, and cleaned at least monthly to reduce the contamination level in the C-PEC.

Page 7730 Section 15: Cleaning Steps

See *Table 5: Cleaning Steps* from page 7730 and corresponding Contec Product Solution below.

TABLE 5: CLEANING STEPS			CONTEC® PRODUCT SOLUTION
CLEANING STEP	PURPOSE	EXAMPLE AGENTS	
Deactivation	Render compound inert or inactive	As listed in the HD labeling or other agents which may incorporate Environmental Protection Agency (EPA) registered oxidizers (e.g., peroxide formulations, sodium hypochlorite etc.)	PeridoxRTU® is an EPA-registered product that is a disinfectant and cleaner
Decontamination	Remove HD residue	Materials that have been validated to be effective for HD decontamination, or through the use of other materials proven to be effective through testing, which may include alcohol, water, peroxide, or sodium hypochlorite	Contec's protocol for hazardous drugs has been validated by independent third party testing ²
Cleaning	Remove organic and inorganic materials	Germicidal detergent	PeridoxRTU meets the definition of a germicidal detergent
Disinfection (for sterile manipulations)	Destroy microorganisms	EPA-registered disinfectant and/or sterile alcohol as appropriate for use	PeridoxRTU is an EPA-registered disinfectant

Page 7731 Section 15.4: Disinfection

Disinfection must be done for areas intended to be sterile, including sterile compounding areas.

Contec® Healthcare Product Solutions

Contec has developed a proven protocol to address the concerns posed by hazardous drug contamination. The protocol, which has been validated by third party independent testing and corroborated by field testing², is a three-step process which cleans and disinfects. PeridoxRTU® is the cornerstone of the process. The procedure can be accomplished using a variety of Contec products.

PeridoxRTU Sporicidal Disinfectant

Available in 32 oz. bottle with pour spout, Peridox is a "ready to use" cleaner and disinfectant. As suggested in USP <800>, PeridoxRTU is an EPA-registered product using peroxide technology. Unlike sodium hypochlorite, PeridoxRTU is not corrosive to stainless steel.

Part numbers HC85336, HC85335, CR85335IR

PROSAT® Sterile™ IPA Presaturated Wipes

Presaturated wipes can be used in place of dry wipes and IPA. The use of presaturated wipes makes the cleaning task easier and more repeatable. USP <800> discourages the use of sprays in areas exposed to hazardous drugs and the action of spraying can spread drug residue. Use of presaturated wipes ensure that the same amount of 70% IPA is applied by all technicians. *Part number PS-911EB*

Contec Sterile 70% Isopropanol

Available in 16 oz. and 32 oz. bottles. It is more important to note that sterile IPA is not a regulated product and that not all sterile IPA products are the same. Contec is an ISO 9001 registered manufacturer and our quality systems ensure that products are of the highest quality. Our sterile 70% IPA is made in the USA. *Part numbers SB167030IR, SB327030IR, HCFT7030IR*

SterileSorb™ & EcoCloth™ Dry Wipes

Depending on the environment, either sterile or non-sterile wipes may be needed. *Part numbers C2-99IR/25, AMEC0003*

EasyReach™ Cleaning Tool with EasyReach Cleaning Pads

The EasyReach system is an efficient and safer methodology for decontaminating C-PECs. The use of the EasyReach tool with pads prevents technicians from unnecessary exposure to hazardous drug residue. Use of the EasyReach also prevents technicians from "leaning into" the C-PEC environment to clean. *Part numbers 2665SF (handle) with either MEQT0001, MEQT0002, PSME0001 (pads)*

¹USP <800> Hazardous Drugs—Handling in Healthcare Settings

²Bureau Veritas North America, Inc-01/2014-C47014-000127 Cleaning Efficacy: Hazardous Drug Residues on 316 Stainless Steel