

Best Practice Guideline	IV Pump Cleaning & Disinfection
Date	October 11, 2017
Reviewed Date	
Revised Date	

A printed version of this guideline may not be the most recent version. The OFFICIAL version is located at www.ipac.vch.ca.

Site Applicability

All VCH.

Scope of Practice

VGH/VA: Dedicated EQD (Equipment Depot) EVS staff (Days/Evenings)

RH: Dedicated EQD EVS staff (Days/Evenings)

LGH: Dedicated EQD EVS staff (Days/Evenings)

UBCH: **Current Status:** Dedicated MDRD (Medical Device Reprocessing Department)(Days)

Purpose

To establish IV pump cleaning & disinfecting standards to prevent risk of transmission of microorganisms by direct or indirect contact of contaminated items.



Blue = Infusion Module



White = PC Unit (aka 'the brain')



Purple = PCA Module

Procedure

- Inspect contaminated (i.e. dirty/soiled) IV pumps for any attached IV bags, tubing, cartridges or patient information. If any items remain, ask clinical staff to remove as EVS cannot begin cleaning & disinfecting until these items are removed.
- Scan assets (i.e. IV pump(s)).
- Using ABHR (alcohol-based hand rub) do hand hygiene (HH).
- Using Ultra Swipes Plus Wipes (79% Ethanol Alcohol), **clean & disinfect** the infusion pump & pole by:
 1. Clean & disinfect working surface/cart.
 2. Open the door latches of the PCA and Infusion modules, applying friction & rub/scrub motion **clean** any foreign matter (e.g. IV solution, blood) from the interior and exterior of the pump modules, **immediately followed by** new wipe(s) to **disinfect** all of the same areas using same



technique as was used for cleaning. If necessary, use a dedicated soft toothbrush, when cleaning, to gently scrub to remove foreign matter. Do not use the dedicated IUI connector toothbrush. Discard toothbrush daily, or immediately if used for isolation location. Leave the door latches open. To complete the disinfection process, items must be wet enough to maintain the product label stated 'wet contact' or 'dwell time' (3 min) followed by air-drying to complete the disinfection process. Do NOT wipe dry.

3. Disconnect the PCA module (purple) and the Infusion Module (blue) from the PC Unit (aka 'the brain') and place these two modules on a clean & disinfected surface; clean & disinfect the external surfaces of the modules that were covered by the brain and let air-dry
4. Clean & disinfect remaining surfaces of 'the brain' that were covered by the modules; **AVOID** using cleaning & disinfecting wipes on the **IUI (Inter-unit Interface) Connectors**.
5. Inspect IUI components for damage or discoloration and let Unit staff know if item needs to be sent to Bio-Medical for repair.
6. IUI connectors are cleaned & disinfected by pouring a small amount (1/2 teaspoon) of RTU 70% isopropyl alcohol from the container onto a IUI dedicated soft toothbrush & gently brush over the connectors. Do NOT dip the toothbrush into the RTU isopropyl alcohol container as that will cause contamination. Discard dedicated toothbrush each day and immediately if used in an isolation location. Let IUI connectors air-dry.
7. Clean & disinfect coil power cord and PCA cord.
8. Remove any tape/tape residue from IV pole use adhesive remover and/or scraper followed by cleaning & disinfection.
9. Extend top section of IV pole to clean & disinfect from top of pole to bottom of castors, paying special attention to the clamp that is attaching the PCU (aka 'the brain') to the pole. Allow to air-dry.
10. Ensure modules and PCU & IUI connectors are thoroughly dry (to the touch) & following HH, reattach modules to the PCU on the IV pole.
11. Attach 'I AM CLEAN' green tag with today's date and your name on the monitor screen (standardized placement).
12. Transport to designated clean equipment room/clean designated & labelled parking zone.
13. Scan assets and plug-in to keep fully charged.

