Provincial Guidance for Reusing Pumps for Microsan Encore 400mL Foaming Alcohol Based Handrub (ABHR)

Purpose

On March 27, 2020 SC Johnson Professional announced shortages of pumps for their Point of Care pump bottle formats. Consequently, beginning in May 2020 and until further notice, the supplier will be providing the same product with 1 loose pump per 12 bottles of 400mL ABHR that are sealed with caps.

This provincial guidance is only to be used as an interim resource during this period of ABHR pump shortage and it is for Microsan Encore 400mL Foaming ABHR users in health care settings. Further, this guidance is only applicable in the context of reusing (transferring) the pump from an empty Microsan Encore 400mL Foaming ABHR bottle into a new and sealed bottle containing the same ABHR product. Once availability of pumps returns to baseline, they are to be used as single-use and disposable/recyclable items as before.

Guidance for Reusing ABHR Pumps

General Information

- Each site will need to determine the location and who is responsible for cleaning and disinfecting the external surfaces of the ABHR pump and bottle, and then transferring the used pump into a new pumpless ABHR refill bottle.
- A used pump should be transferred to a new pumpless ABHR refill bottle at the time when a refill bottle becomes available.
- If it is not possible to immediately transfer the pump after an ABHR bottle has been finished, keep the pump in the empty bottle until a new pumpless ABHR refill bottle is available. Each site will need to determine where saved pumps and empty bottles will be stored (e.g. centralized location, same area of clinical use).
- To prevent contamination, do not remove the pump from the empty bottle. There is no need to clean and/or rinse the internal surfaces of the pump. Do not remove the pump and place it on a surface.
- A pump must be disposed when it breaks down.

Glossary

Contact time – the time that a disinfectant must be in contact with a surface or device to ensure that appropriate disinfection has occurred. For most disinfectants, the surface should remain wet for the required contact time.

Low level disinfection – the level of disinfection is required when processing non-invasive medical equipment (i.e., non-critical equipment) and some environmental surfaces.
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Supplies you will need:
- ABHR bottle with attached pump
- New pumpless ABHR refill bottle
- Hospital grade low-level disinfectant (LLD)
- Gloves
- Flat surface to work on in a clean environment

Process:

1. Prior to the pump being cleaned and disinfected, perform hand hygiene (HH) and don gloves.

2. After an ABHR bottle is empty, use a LLD to clean and disinfect the external surfaces of the pump and the empty bottle, refill bottle and cap, and the work surface. Pay particular attention to the top of the pump. Follow the LLD's product label for the recommended contact time and institutional guidelines for cleaning and disinfection.

3. Remove gloves and perform HH.

4. Unscrew the cap of the new pumpless ABHR refill bottle and place it on the work surface with the external surface facing down. Do not touch the interior of the bottle and the cap.

5. Remove the pump from the empty ABHR bottle. Without touching the internal surface of the pump (e.g. the tube), place it into and securely attach it to the new ABHR refill bottle. The new ABHR refill bottle is ready for use.

Note:

- Do not place the pump on any surface during the transfer process. If contamination to the internal surface of the pump (e.g. the tube) occurs (e.g. the pump is accidentally dropped), immediately dispose the pump, perform HH, and replace the cap onto the refill bottle. Locate another pump to use.

References:
3. SC Johnson Professional. Instructions for Use: Microsan Encore Foaming Alcohol Handrub-400mL Refill Pack.