

### Attachment 1: Disinfection of Concentrate Wands

#### Purpose:

To outline the procedure for the daily disinfection of concentrate wands.

#### Supplies:

Personal Protective equipment (PPE): gloves, mask, eye protection, gown.

Bleach solution: 1:100 (60 mL bleach in 1 gallon of reverse osmosis (RO) water)

2 large plastic containers

Reverse osmosis (RO) water

Residual chlorine test strip

#### Procedure:

1. Gather all wands to be disinfected.
2. Don PPE and rinse cap and wand with RO water, allowing the water to run through the hose and cap connector of the wand.
3. Fill the large plastic container with 1:100 bleach solution (60 mL bleach in 1 gallon of RO water).
4. Submerge caps and wands in bleach solution and let soak for 10 minutes. Ensure the internal and external surfaces are fully submerged and exposed to the bleach solution. After 10 minutes soak time, remove wands and caps from the basin. Change gloves before rinsing the caps and wands.
5. Rinse the outside of the tubing of the wands and the caps with RO water. Flush the inside of the tubing of the wands by holding it in the RO water stream and allowing the water to flush through the tubing.
6. Empty the bleach solution from the basin.
7. Rinse the basin with RO water allowing the water to flush the inside and outside of the basin.
8. Fill a large plastic basin half full with RO water, submerge the wands and caps in the rinse water. Ensure the internal and external surfaces are fully submerged and exposed to the rinse water in the basin.
9. Check expiration date on residual chlorine strip tests prior to use. Using a residual chlorine strip test, verify negative residual bleach level by sampling the rinse water in the container of caps and wands. If strips test positive for chlorine, continue rinsing caps and wands until no bleach is detected. All bleach must be rinsed free prior to using the wand.
10. Hang wand in vertical position, or lay on clean towel to dry.
11. Document on disinfection log.

#### **References**

Fresenius Clinical Services Procedure. Bicarbonate Concentrate Container, Cap, and Suction Tube Assembly Disinfection. FMS-CS-IC-II-140-302C, IS-II-600-058C, HT-II-310-010C, August 20, 2014.