**SOP Title:** Water Drinking Bottle Processing in 7H facility

**Purpose:** To provide clean portable water to the mice housed in 7H barrier

**Responsibility:** Laboratory Assistants/Attendants

**Written by:** Dr. Siva Tsang (SO/APCF)  
**Approved by:** Dr. Anthony James (D/APCF)

### 1. Collection and Washing

1.1. Used bottles are collected into the bottle crates from the cages and transferred away from the barrier via the door between the clean and the dirty corridor, which has a HEPA filter wind booth as a transition zone, or alternatively via the pass-through autoclaves.

1.2. A bottle crate is rested on the metal grid on a service sink, in Room 7309, on which the caps of the bottles are removed and the bottles are locked in the crate by securing a lid on the crate.

1.3. The water remaining in the bottles is poured into the sink by inverting the crate above the service sink.

1.4. The crates with bottles are loaded into a bottle washer for washing.

### 2. Sterilization and Stocking

2.1. The lid of the crate is removed.

2.2. The washed bottles in the crates are filled with tap water manually from the designated hose, and capped with the washed bottle caps.

2.3. The filled bottles are covered by a piece of autoclavable plastic sheet before being steam sterilization and transferred into the barrier via the pass-through autoclave with a liquid sterilization cycle.

2.4. The sterilized crates of water are cooled and transferred to the designated storage racks for stocking.

2.5. The water must cool to room temperature before being fed to the animal cages.