

Bottle Washing Instructions

Dishes to the left of the sink

- Glassware and plastic bottles are soaking a tub made up of 50% mixed citranox (15 liters D.I. water with 300 mL straight citranox), 50% D.I. water.
- Wear nitrile gloves, safety glasses, and a lab coat

~~~ Plastic bottles / caps / other plastics ~~~

- After soaking for at least 24 hours in citranox solution...
1. **Triple rinse** plastic bottles and accompanying plastic and rubber pieces.
Lightly scrub bottle caps and tops of bottles with one of the brushes found in the mason jar behind the sink while rinsing
 2. Rinse again for good measure
 3. Place in a pre-rinsed (**by you**) tub to the right of the sink
 4. When the tub is full, set it aside to be air dried and taken to the acid bath upstairs in the OEWRI lab after drying
 5. Transport tubs containing rinsed and dried plastic bottles using a cart, and place plastic bottles/caps/other plastics in the APPROPRIATELY LABELED acid bath (**the larger one**). Make sure to fully submerge object while wearing rubber gloves, glasses, and a lab coat

~~~ Metals / LOI crucibles ~~~

1. Triple rinse while lightly scrubbing and set aside to dry. **DO NOT PUT METALS OR CRUCIBLES IN THE ACID BATH**

Bottle Washing Instructions

Making the citranox solution

- Wear nitrile gloves, safety glasses, and a lab coat
 - When filling tub for items to soak, add half D.I. water and half citranox solution
 - The citranox solution in the big container to the right of the sink is made up of 15 L of D.I. water and 300 mL of straight citranox. To make this...
1. Gather citranox bottle found below the sink and a 100 mL graduated cylinder
 2. Begin slowly filling the container with D.I. water
 3. While the container is filling, fill the graduated cylinder with 100 mL of citranox, and pour into the container. Do this three times to accumulate 300 mL of citranox into the container
 4. Continue to fill the container until it reaches the fill line, being careful not to submerge the tube in the solution
 5. When the waterline reaches the fill line, turn off the water and re-place the nozzle onto the sink

Bottle Washing Instructions

Taking things out of the acid bath

- Wear a lab coat, glasses, nitrile gloves, AND black rubber gloves over the nitrile gloves
1. While wearing the appropriate PPE, carefully remove items from the acid bath, letting as much acid drain out as possible
 2. Place items removed from the acid bath in a plastic tub
 3. When tub is full, take it downstairs via cart and set aside to dry
 4. Place a note next to the tub saying, “Acid washed, ready to be rinsed”. Notes like these can be found in a drawer to the left of the sink

When acid washed items are dry

- Wear gloves, safety glasses, and a lab coat
1. Set up drying station by placing a layer or two of paper towels on the open counterspace to the right of the sink
 2. Triple rinse item and place on the paper towel drying station in an organized manner

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~~~ Glassware / 10mL pipets / magnetic stir bars ~~~

- After dishes have soaked for at least 24 hours in the citranox solution...
1. **Triple rinse** glassware while lightly scrubbing with one of the brushes found in the mason jar behind the sink
 2. Rinse again for good measure
 3. Place in a pre-rinsed (**by you**) tub to the right of the sink
 4. When the tub is full, set it aside to be air dried and taken to the acid bath upstairs in the OEWRI lab after drying
 5. Transport tubs containing rinsed and dried glassware using a cart, and place in the APPROPRIATELY LABELED acid bath (**the smaller one**). Make sure to fully submerge object while wearing nitrile gloves, rubber gloves, safety glasses, and a lab coat. Let soak for **24 hours**