

# Purpose

The Sonora cleaning procedure should be performed monthly to prevent algae growth in the water bath, chiller, degas, tubing, and water conditioning system (WCS).

## Caution

Wear protective gloves when handling NaDCC tablets.

Use the 'Fill', 'Off', 'Drain', and 'Circulate' buttons in the 'Water Control' menu of the SymphonX software, as instructed below:

# Instructions

- 1. Drain the water bath.
- 2. Disconnect and empty the Supply and Waste Reservoirs.
- 3. Dissolve one (1) NaDCC 13.1 G tablet in 4 liters of DI water in the Supply Reservoir, then reconnect it to the Sonora.
- 4. Reconnect the empty Waste Reservoir to the Sonora.
- 5. Fill the water bath will fill with NaDCC solution and allow the solution to circulate for approximately 5 minutes.
- 6. Click 'Drain.' The water bath will drain.
- 7. Disconnect, empty, and rinse the Supply Reservoir, thoroughly, with DI water.
- 8. Fill the Supply Reservoir with DI water, then reconnect it to the Sonora.
- 9. Fill the water bath will fill with water and begin circulating, allowing it to circulate for approximately 5 minutes.
- 10. Drain the water bath, then repeat steps 8-10 two (2) more times for a total of three (3) rinses.
- 11. Disconnect, empty, and rinse the Waste Reservoir thoroughly with DI water, then reconnect it to the Sonora.

Maintenance of the instrument's water tank, chiller, degas, and water conditioning system are required to keep the instrument free of particles, gases, and biological growth.

The WCS filter and UV lamp should be replaced annually. Filter and UV lamp replacements are included with annual PMs.

After the monthly cleaning procedure has been performed, the instrument is ready for use. When water is in the bath, the WCS3 should be left running to keep the water clean. The chiller can be set to ambient temperature, when not in use.

If the instrument is going to be idle for more than a couple of days, drain the water bath and turn off the WCS3 and e- box (each unit has a power switch).

## **Monthly Cleaning Protocol Performed**

Date	Name

### Annual WCS Filter and UV Lamp

Date	Name