

# ML230 Focused-ultrasonicator Instrument Maintenance

---

## NaDCC Instrument Cleaning Protocol

### Purpose

An instrument cleaning procedure should be performed monthly to prevent biological growth in the water bath, chiller, degas, and water condition system (WCS).

### Caution

Wear protective gloves when handling NaDCC tablets.

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

### Instructions

1. Disconnect and empty the Supply and Waste reservoirs.
2. Dissolve (1) NaDCC 3.3 G tablet in 1 Liter DI water (in a separate lab container).
3. Pour NaDCC solution into the Supply Reservoir. Reconnect the Supply reservoir.
4. Reconnect the empty Waste reservoir.
5. Click 'Fill.' The water bath will fill with the solution and begin circulating.
6. Allow the solution to circulate for approximately 5 minutes.
7. Click 'Drain.' The water bath will drain.
8. Disconnect, empty, and rinse the Supply reservoir, thoroughly, with DI water.
9. Fill the Supply reservoir with DI water. Reconnect the Supply reservoir.
10. Click 'Fill.' The water bath will fill with water and begin circulating.
11. Allow the water to circulate for approximately 5 minutes.
12. Click 'Drain.' The water bath will drain.
13. Repeat rinse steps, 10-12, two more times for a total of three rinses.
14. Disconnect, empty, and rinse the Waste reservoir, thoroughly, with DI water.
15. Reconnect the Waste reservoir.

