

# ME220 Focused-ultrasonicator Instrument Maintenance

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## NaDCC Instrument Cleaning Protocol

### Purpose

An instrument cleaning procedure should be performed monthly to prevent biological growth in the water bath and Water Work's system.

### Caution

Wear protective gloves when handling NaDCC tablets.

**Use the 'Fill,' 'Empty,' 'Circulate,' and 'Stop' buttons in the 'Water Work's' menu, as instructed below:**

### Instructions

1. Disconnect and empty the Supply and Waste bottles.
2. Dissolve (1) NaDCC 3.3 G tablet in 1 Liter DI water (In the Supply bottle). Reconnect the Supply bottle
3. Reconnect the empty Waste bottle.
4. Click 'Fill.' The water bath will fill.
5. Click 'Circulate.' Allow the solution to circulate for approximately 5 minutes.
6. Click 'Empty.' The water bath will drain.
7. Disconnect, empty, and rinse the Supply bottle, thoroughly, with DI water.
8. Fill the Supply bottle with DI water. Reconnect the Supply bottle.
9. Click 'Fill.' The water bath will fill.
10. Click 'Circulate.' Allow the water to circulate for approximately 5 minutes.
11. Click 'Empty.' The water bath will drain.
12. Repeat rinse steps, 9-11, two more times for a total of three rinses.
13. Disconnect, empty, and rinse the Waste bottle, thoroughly, with DI water.
14. Reconnect the empty Waste bottle.

## ME220 Focused-ultrasonicator Instrument Maintenance

Maintenance of the instrument’s water bath and Water Work’s system are required to keep the instrument free of particles and biological growth.

The Water Work’s filter and gasket should be replaced annually. Filter and gasket replacements are included with annual PMs.

After the monthly cleaning procedure has been performed, the instrument is ready for use.

If not in use, drain the water bath, dry water bath and transducer with a lint free cloth, and turn off the instrument.

### Monthly Cleaning Protocol Performed

Date	Name

### Annual Filter and Gasket Replaced

Date	Name