

S220(x) 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 and degas system.

Caution

Wear protective gloves when handling NaDCC tablets.

Use the 'Degas Pump On/Off,' button on the Run Screen, as instructed below:

Instructions

1. Turn off the chiller.
2. Raise the transducer assembly out of the water tank.
3. Empty, rinse, and fill the tank with DI water to 10 on "Fill" side of label. Place tank back in instrument.
4. Dissolve (2) NaDCC 3.3 G tablets in the water tank.
5. Lower the transducer assembly into the tank and click 'Degas Pump On.'
6. Operate the degas pump for approximately 5 minutes.
7. Click 'Degas Pump Off' and raise the transducer assembly out of the tank.
8. Empty, rinse, and place the empty tank back in the instrument.
9. Lower the transducer assembly into the tank and click 'Degas Pump On.' The solution is purged from the degas pump and tubing. The degas pump automatically turns off.
10. Raise the transducer assembly out of the tank.
11. Empty, rinse, and fill tank with DI water to 10 on "Fill" side of label. Place tank back in instrument.
12. Lower the transducer assembly into the tank and click 'Degas Pump On.'
13. Operate the degas pump for approximately 5 minutes.
14. Click 'Degas Pump Off' and raise the transducer assembly out of the tank.
15. Repeat rinse steps, 11-14, two more times for a total of 3 rinses.
16. Empty, rinse, and fill tank with DI water to level indicated by consumable. Place tank back in instrument.
17. Lower the transducer assembly into the tank and click 'Degas Pump On.'
18. Allow the water to degas for 15 minutes before chilling the water.
19. Turn on the chiller.

