



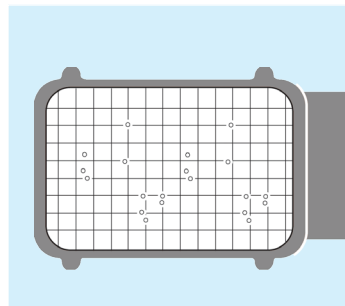
# Waterline Maintenance Guide

The Maintain | Monitor | Shock approach is as effective as it is practical for ongoing self-contained waterline care.

*See the other side for detailed instructions.*



MAINTAIN



MONITOR



SHOCK  
if > 200 CFU/ml

# Waterline Maintenance Guide

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## MAINTAIN with A-dec ICX®

For daily waterline maintenance, A-dec ICX water treatment tablets are specially formulated to maintain dental unit waterlines and prevent accumulation of odor and foul-tasting bacteria.\* Intended for use with potable water, ICX remains active in the system for at least two weeks.

To optimize the quality of your dental unit water, be sure to use a fresh ICX tablet and follow these steps every time you refill a self-contained water bottle:

1. Empty any remaining water left in the bottle.
2. Drop the tablet into an empty dental unit water bottle (0.7L tablet in 0.7 liter bottle, 2L tablet in 2 liter). Avoid touching the tablet with skin.
3. Fill the bottle with water, then install it on the dental unit.
4. Wait two minutes for the tablet to fully dissolve before using the system.

Be sure to use ICX in conjunction with regular dental unit water monitoring and shock treatment.

\* Maintains dental unit waterline effluent  $\leq 10$  CFU/ml.



## MONITOR the Water Quality

It's important to regularly monitor the water in your dental equipment. The frequency depends on your test results and water quality goals. Initially, test once per month. If monthly results pass your clinic's water quality goal for all treatment rooms for three successive months, reduce the testing frequency to once every three months.

Water quality should be monitored by performing a test that provides a quantitative measurement of heterotrophic bacteria. Call your A-dec dealer for in-office water monitoring kits, or order the Millipore® HPC Total Count Sampler online at [www.millipore.com](http://www.millipore.com) (p/n MHPC10025).

Follow these procedures:

1. Remove handpieces, attachments, and motors. Wipe waterline outlets (syringe tips, handpiece tubing terminals, etc.) with an alcohol wipe to avoid external contaminants.
2. Collect an equal amount of water from each sampled outlet (e.g., if there are two handpiece tubings and two air/water syringes, collect approximately one-fourth of the water sample from each outlet). Follow the instructions provided with the monitoring kit for collecting the sample.
3. Follow the monitoring kit instructions for handling, storing, and processing the sample.

The results obtained from this monitoring procedure will provide an indication of the dental unit water quality in each treatment room. It will also help you determine what action to take next—continue maintaining with ICX or shock. Guidelines or requirements for dental unit water quality vary by region and are usually specified in colony forming units per milliliter (CFU/ml). The U.S. Centers for Disease Control and Prevention (CDC) guideline is 500 CFU/ml.

A-dec recommends 200 CFU/ml as an action level. Your clinic may establish a different action level based on applicable guidelines or requirements in your area. If test results are greater than the action level, perform the shock treatment. If test results are less than the action level, no shock treatment is necessary and daily waterline maintenance with ICX should be continued.

## SHOCK the Waterlines

Shock treatment clears deposits and bacterial contamination from dental unit waterlines. It's a step that's recommended whenever test results are greater than your water quality action level.

A-dec recommends that you use a dental unit waterline shock treatment product registered with the U.S. Environmental Protection Agency (EPA). If you're located outside the U.S., contact your authorized A-dec dealer for product recommendations that are compatible with A-dec equipment. Whenever applying a shock treatment, be sure to adhere to the product instructions provided by the manufacturer.

After completing the shock treatment—including flushing with water—resume your waterline maintenance protocol with ICX.

