

DAI Policy 500.40.28 – Dental Unit Waterline Maintenance and Monitoring
Attachment E – 1:10 Solution Shock Disinfection and Air Purging Procedures
Effective Date: 06/08/15

1. Clean hands and don gloves.
2. Prepare fresh 1/10 solution.
3. Disinfect a clean, undamaged water bottle:
 - a. Pour 100 ml (about 3 oz.) of the 1/10 solution into the bottle, cap it, and shake for 5 seconds.
 - b. Allow bottle to stand for 10 minutes, then shake the bottle again.
 - c. Empty the bottle and rinse it twice with distilled water.
4. Remove the used water bottle from the delivery unit, empty it, and replace onto unit.
5. Air purge all DUWL with air from the now-empty bottle.
6. Remove the empty bottle and fill with fresh 1/10 solution.
7. Run the dental handpiece flush valve and syringe until a steady stream of liquid flows from all tubings.
8. Allow the 1/10 solution to stand in the dental unit water system for 10 minutes.
Never allow the 1/10 solution to remain in the unit for longer than 30 minutes.
9. After 10 minutes, remove and empty the water bottle, then reinstall.
10. Air purge the DUWL.
11. Remove the empty disinfectant bottle.
12. Install the freshly disinfected bottle from Step 3(c) filled with treatment (BluTab in distilled) water.
13. Run the dental unit's handpiece flush valve and syringe. After treatment water begins flowing from all tubings, continue running for approximately 30 seconds, making sure no heavy chlorine odor remains.
14. IF THE UNIT WILL NOT BE USED FOR ONE WEEK OR MORE, air purge and leave lines dry until next clinical use.