

# IDEXX Technical Service washer maintenance

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## Important points

1. There are two evening maintenance protocols. The protocol you use depends on how frequently you use the washer:
  - If the instrument is in constant use, run the protocol that keeps the tubes primed and wet when the instrument is not being used.
  - If the instrument is used only once or twice a week, run the protocol that purges the water.
2. Do not leave buffer in the system for long periods of time (for example, overnight or over the weekend). Doing so will clog the pins, and you will need to remove the manifold and clean it with a stylus.
3. If you must clean the manifold with a stylus, be sure to flush the manifold with running deionized (DI) water through the large port holes to remove any debris. If this step is not performed, the particles will immediately clog the pins again.

## Always rinse at the beginning of the day

1. Turn power on.
2. Press **Main Menu**.
3. Select **MAINT** and then **DAY\_RINSE** (rinse will be with DI water).
4. Press **ENTER**.
5. Select rinse valve A (the DI water valve).
6. When prompted to start maintenance, select **YES**.
7. Repeat DAY\_RINSE (steps 2–6).
8. After the second DAY\_RINSE, press **Main Menu**.
9. Select **MAINT** and then **DAY\_RINSE** (rinse will be with the appropriate wash buffer)
10. Press **ENTER**.
11. Select the rinse valve for your wash buffer.
12. When prompted to start maintenance, select **YES**.

## Evening maintenance, if washer will be used the next day

1. Press **Main Menu**.
2. Select **MAINT** and then **DAY\_RINSE** (rinse will be with DI water):
3. Press **ENTER**.
4. Select rinse valve A (the DI water valve).
5. When prompted to start maintenance, select **YES**.
6. Press **Main Menu**.
7. Select **MAINT**.
8. Use the Option button to find the **RINSE\_AND\_SOAK** protocol.
9. Press **ENTER**.
10. Select rinse valve A (the DI water valve).
11. When prompted to start maintenance, select **YES**.
12. When the wash manifolds are submerged, turn off the instrument.

## Evening maintenance, if washer will not be used the next day (e.g., weekend or sporadic use)

1. Press **Main Menu**.
2. Select **MAINT** and then **DAY\_RINSE** (rinse will be with DI water).
3. Press **ENTER**.
4. Select rinse valve A (the DI water valve).
5. When prompted to start maintenance, select **YES**.
6. Repeat **DAY\_RINSE** (steps 2–5).
7. After the second **DAY\_RINSE**, run a protocol on dry; this will purge all water from the system, leaving tubes clean and empty (small droplets are okay):
  - a. Disconnect the tubing connected to the DI water bottle, and place it on the bench. (Do not disconnect the tubing from the back of the washer).
  - b. Press **Main Menu**.
  - c. Select **MAINT** and then **DAY\_RINSE**.
  - d. Press **ENTER**.
  - e. Select rinse valve A (the DI water valve)
  - f. When prompted to start maintenance, select **YES**.
8. Press **Main Menu**.
9. Turn off the instrument.
10. Replace the plastic cover.

## Monthly cleaning with Tergazyme\* and/or bleach

1. Prepare a 5% household bleach solution or a Tergazyme solution (as instructed in the product insert) in a 4-liter bottle.
2. Connect the hose to the wash bottle containing the cleaning solution.
3. Press **Main Menu**.
4. Select **MAINT**.
5. Use the Option button to find the **DECONTAMINATION** protocol.
6. Press **ENTER**.
7. Select the disinfect valve (A, B, or C).
8. Select rinse valve A (the DI water valve).
9. When prompted to start maintenance, select **YES**.
10. At the completion of the **DECONTAMINATION** protocol, run the **DAY\_RINSE** protocol with DI water **two times** (see instructions above).

## Cleaning the manifold if any of the pins is clogged

1. Remove the manifold and inspect the pins. Are they level and straight? If not, contact BioTek for assistance.
2. With the manifold on a flat surface pin-side up, probe each dispense pin with the stylus.
3. Flush with running DI water through the large port holes.
4. Reconnect the manifold.
5. Run a **DAY\_RINSE** protocol with DI water two times.

