

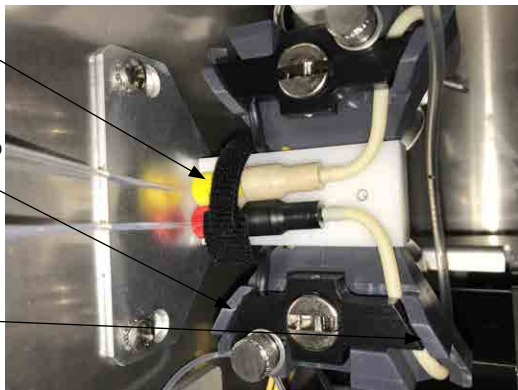
MCX

Replacing the Complete Tubing Kit (Kit #28182S)

3 Remove Velcro strap.

4 Loosen thumb screw.

5 Remove tubing from slot.



WARNING

To avoid the risk of electrical shock, ensure power to the instrument has been disconnected prior to beginning replacement of the annual tubing kit.

1. Turn off water supply to the MCX instrument.
2. Unscrew cap from reagent bottle and set solution aside.
3. Remove the Velcro strap holding reagent tubing in place on top of pump bracket, set aside.
4. Unscrew the thumbscrew on the reagent pump and set thumbscrew and washer aside.



4 Remove thumbscrew and washer

5. Lift the black pump hammer up to allow access, remove tubing from slot on outside of reagent pump then remove the pump balancing loop from the rear of the pump. The balancing loop is the section of the tubing used to balance the pump hammer located to the rear of the pump.



5 Lift pump hammer to access tubing.



5 Remove tubing/ check valve from outside of reagent pump.

6. Using a screw driver, loosen the screw on the optical assembly that holds the reagent injectors in place.



6 Loosen screw.

7 Rotate check valve retainer.

7. Rotate the check valve retainer 90° and disconnect the injector from the optical assembly.
8. Ensure duckbill was attached to injector upon removal. If not, remove duckbill from connection on optical assembly.
9. Place new injector with duck bill attached into the optical assembly.
10. Rotate the check valve retainer 90° and tighten screw to lock injector in place in the optical assembly



Duckbill (on injector side of tubing only)

11. Guide tubing back into slot on outside of reagent pump, then place the pump balancing loop into slot toward rear of pump.
12. Lower the black pump hammer back into place, then reinstall thumbscrew and washer on the reagent pump.
13. Re-use the Velcro strap to secure the reagent tubing check valves to the top of the pump bracket.
14. Fill the flush kit syringe with DI water and slowly push a full syringe of DI water from the bottom of the reagent tubing through the system. Watch the DI water come into the cuvette during this step by removing the light shield from the front of the cuvette. Do this for each reagent tubing assembly. Make sure to leave the lines full of DI water for the prime cycle.
15. Reattach new caps onto the reagent bottles.
16. Enter service mode by pressing the MODE button then press the **←** to stop the analysis and enter the service menu.
17. Press **←** to select the PRIME option on the service menu.
18. Select each reagent for which the cap assemblies were changed.