



## miniiSED® BLEACH CLEANING PROCEDURE

### PURPOSE:

This procedure describes how to perform a manual Bleach Cleaning of the hydraulic system in the event of a dried blood blockage or when frequent Tail Sensor Calibration errors occur in the miniiSED® Automated ESR Analyzer.

### SCOPE:

This document describes the procedure to be followed when the tubing system of the miniiSED needs cleaning with bleach solution, as directed by ALCOR Tech Support, or when the criteria for cleaning is met as described in the miniiSED Service Manual (1017-28-001). This document is applicable to miniiSED devices with software versions 2.2.5 and earlier, without the automated Deep Wash feature or when recommended by Technical Service.


### MATERIALS:

1. Empty, unused 13 x 75 blood collection tubes with pierceable cap, with or without EDTA
2. Bleach (6% hypochlorite), diluted with deionized water
3. miniiWASH™ with enough fluid for minimum of 6 washes
4. Timer set to 5 minutes

### PREPARATION:

1. Remove cap of blood collection tube and fill with Bleach (6% hypochlorite) to the tube maximum fill line with a minimum of 4.0mL. **Replace Tube Cap**
2. Prepare the miniiSED by performing the Quick Clean operation three (3) times with a successful result

### PROCEDURE:

1. Press the “Menu”  button located in the top left corner of the display
2. Press “Settings”
3. Press “Advanced”
4. Scroll down and press “Instrument Setup & Robotic Controls”
5. Enter passcode 41281 and press “Continue”
6. Scroll down to the section named “Robotic Controls”

7. Press the “Home” button to ensure the miniiSED is ready and in position to receive the tube (Figure 1)

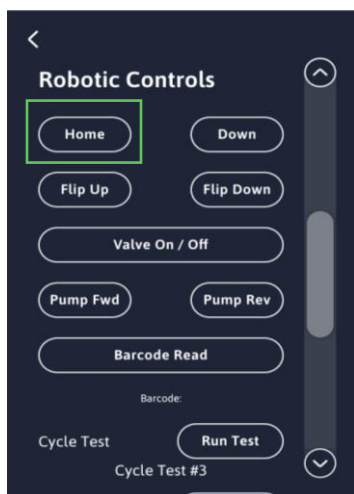


Figure 1

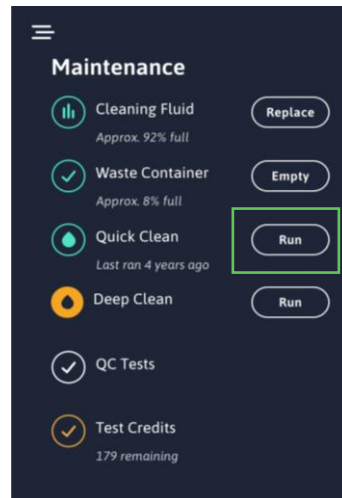



Figure 2

8. Insert the capped tube filled with bleach into the loading port of the miniiSED
9. Press the “Flip down” button. The bleach-filled tube will be pulled into the instrument and inverted
10. Press the “Down” button. The syringe will pierce the bleach-filled tube
11. Press the “Pump Rev” button 10 times. This will pull a small amount of bleach into the system with each press. After 6-7 presses bleach can be observed moving into the waste container
12. Start a timer for 5 minutes
13. After 5 minutes, press the “Home” button. The tube will be returned to the loading position
14. Remove the bleach-filled tube from the miniiSED loading port
15. Press the “Menu”  button located in the top left corner of the display. Press the “Maintenance” button
16. Perform three (3) consecutive and successful Quick Cleans (Figure 2). If a Quick Clean error occurs, contact Technical Service at 1-800-495-5270 for additional assistance.
17. After the wash is successful, the miniiSED is now ready for routine operation and testing of patient samples and/or controls.