

Clinitek Advantus Maintenance Protocol

Principle

This protocol describes routine maintenance on the Clinitek Advantus. When maintenance is performed on the analyzer it must be documented on the maintenance log. Mark the dates on the maintenance log with an "X" when instrument is not in use or periodic maintenance is not performed (weekends, holidays, instrument down).

Daily Startup

1. Reinstall the moving table



- a. Hold the table with the small rectangular tab facing to the back.
- b. Align the 2 grooves on the bottom of the table with the edges of the platform on which the table rests.
- c. Gently push the table in until you hear the tab latch into the hold position.
- d. Check that the table is secure.

2. Reinstall the hold down plate



- a. Position the holddown plate with the arrow side facing up and the arrow pointing to the back.
- b. Place the pin on the front of the holddown plate into the hole at the front of the fixed platform.

- c. Align the tab at the back of the holddown plate with the slot at the back of the platform.
 - d. Snap the holddown plate into place.
NOTE: You will get error codes and misaligned strips when the holddown plate is not snapped in place.
 - e. Ensure that the white calibration bars are visible.
3. Reinstall the fixed platform
 - a. Align the 2 grooves on the bottom of the fixed platform with the arms extending forward from the analyzer.
 - b. The flanges on the sides of the holddown plate align just outside the read area cover. The top edge of the platform aligns just under the cover.
 - c. Gently push the platform in as far as possible.
 - d. Push past the ridge to correctly position the platform
 4. Reinstall the push bar
 - a. Hold the push bar at the indented end.
 - b. With this end slightly upward, insert the peg on the other end of the bar into the hole in the pusher mechanism.
 - c. Lower the push bar into place.
 5. Reinstall the waste bin liner
 6. Verify Calibration confirmation
 - a. At the Ready/Run screen, select Menu.
 - b. Select Print
 - c. Select Calibration confirmation
 - d. The date and time of the latest successful calibration prints.
 - e. Initial and date the maintenance log
 7. Run both levels of QC
 - a. See Clinitek Advantus procedure

End of Day Shutdown

NOTE: Do not turn off the analyzer as this will disconnect the LIS interface.

1. Remove the push bar
 - a. Tilt the bar slightly upwards
 - b. Pull the bar straight out



2. Remove the waste bin liner and discard the used strips in the trash.
3. Remove the fixed platform
 - a. Pull the entire assembly toward you as depicted in the picture below.



4. Remove the moving table
 - a. Pull the moving table toward you as depicted in the picture below



5. Remove the hold down plate from the fixed platform
 - a. Press upward from the back of the plate
 - b. Pull the other end from its retaining hole

NOTE: You must remove the hold down plate from the fixed platform for proper cleaning.



6. Clean the push bar, waste bin liner, fixed platform, moving tray and the hold down plate thoroughly by rinsing them with warm soapy water. Do not use solvent, bleach or wipes to clean any of these parts. **Rinse all parts with DI water and allow them to air dry overnight.** Do not wipe the white calibration strips on the fixed platform.

7. Clear the memory
 - a. At the Ready/Run screen, select **Menu**
 - b. Select **Memory**
 - c. Select all patient records
 - d. Press the delete icon



Every Monday, Wednesday and Friday

Every Monday, Wednesday and Friday or as needed, clean the optics of the analyzer.

1. Wrap lens paper around a q-tip swab and moisten with lens cleaner.
2. Insert the moist swab into the optics under the incubation area of the analyzer.
3. Dry with “canned air” or by inserting a dry swab into the optics.
4. Document on the maintenance log.

NOTE: Perform this maintenance when you get positive nitrite results that are not correlating with microscopic findings.

Instrument Issues / Problems

1. Document all Instrument problems or issues and the steps taken to resolve on the Clinitek Instrument Problem log.
2. See Clinitek Advantus Depot Analyzer protocol