



CHEM.CENTAUR.3.0 MAINTENANCE ON THE ADVIA CENTAUR

STATEMENT OF PURPOSE

To ensure that the ADVIA Centaurs are maintained so that quality patient results will be obtained.

DOCUMENT OWNER

Manager, Chemistry & Special Chemistry

PROCEDURE

The following maintenance procedures will be performed routinely. See QC Testing Intervals and maintenance sheet for shifts assigned. Refer to Advia Centaur XPT Operating Manual for steps regarding instrument maintenance.

- A. Daily
 - 1. Daily Cleaning procedures (auto).
 - a. Check cleaning solution bottle before performing the daily cleaning to make sure there is sufficient volume.
 - b. No need to prime the Centaur with cleaning solution.
 - c. Keep the same bottle of cleaning solution in use until it falls below sensor line. There is no need to make fresh cleaning solution each day.
 - d. The cleaning solution bottle is stored on the instrument.
 - f. when making cleaning solution, discard any left –over solution and rinse the bottle 3 times with de-ionized water before making the fresh solution. Doing so will prevent the creation of any overly concentrated wash solution, which can make it difficult to remove all of the bleach after daily cleaning.
 - 2. Check Printer paper. If needed, replace paper supply.
 - 3. Run QC/Calibrators as needed. See QC Testing Intervals for QC material used, and testing frequency. See Chemistry QC Policy for accepting/rejecting QC.
 - 4. Check/refill Spray bleach bottle. Check that the bleach bottle hasn't expired, and fill when needed.
 - 5. Decontaminate work area by wiping the work surface with 10% bleach.
- B. Weekly- MONDAYS
 - 1. Check water trap, waste trap.
 - 2. Clean the touchscreen.
 - 3. Perform weekly reboot.
 - 4. Move results to Historical.
 - 5. Collect water culture.
 - a. Reagent probe 1 sample.
 - 1) Raise the instrument lid and remove the side panel.



MAINTENANCE ON THE ADVIA CENTAUR

- 2) Correctly label another sterile conical tube.
 - 3) Have in hand the labeled device and a discard tube.
 - 4) Go into diagnostics and select Reag/Ancillary Probes- Dispense Test- Probe 1-5 repetitions- Perform.
 - 5) Immediately go to reagent probe #1 and when it has stopped homing, push it to the right and back so you can place the discard tube under it (Movement will be stiff).
 - 6) Collect the first 2 prime in the discard tube, and the other 3 into the labeled conical tube. Repeat until 18 ml is dispensed.
 - 7) Manually move the probe back over it's wash well.
 - 8) On diagnostic screen, select Reag/Ancillary Probe-Home Probes- Perform.
 - 9) Replace side panel and close cover.
6. Update completed tasks under the maintenance icon and prime water from reservoir to manifold.
- a. Empty water trap- completed.
 - b. Obtain H₂O Cultures – completed.
- C. Monthly Maintenance
1. Clean the exterior of reagent probes.
 2. Clean the exterior of ancillary probes.
 3. Clean the exterior of aspirate probes.
 4. Clean the reagent probe rinse stations.
 5. Clean or replace air filter.
 6. Clean cuvette waste chute.
 7. Clean sample tip waste chute.
- D. As Needed Maintenance
1. Clean reagent probe shutter
 2. Clean reagent compartment and pack holders.
 3. Clean waste probe and ejector rod
 4. Clean the cuvette and tip waste bins.
 5. Clean system exterior, covers and keyboard
 6. See Reference Manual for any other "As Needed" procedure.

REFERENCES

Advia Centaur XPT Operator Manual effective 6/16/2015