**Matric no: 17/MHS06/054.**

**Course code: MLS 304.**

**Maintenance of auto-analysers in ABUAD multi-system teaching**

**Hospital.**

* Ensure it is kept in a cool and dry place.
* Make sure it is operated according to the manufacturer’s instruction.
* There should be a minimum of 4 standards and a blank used for the standard curve for each of the analytes being tested.
* For the flow cell:
  + Be sure to leak test the flow cell before placing it back onto the detector so no damage will occur if there is indeed a leak.
  + Test the flow signal with water then with the reagents, and finally with standards.
  + If the exterior of the flow cell is polluted, soft cloth with dehydrated alcohol can be used to slightly wipe it.
  + To clean inside the flow cell, after starting it prepare enough distilled water and put it under the aspiration tube and rinse it.
  + Rinsing should take about 5 seconds.
  + If there is no fluid in the flow cell, check if peristalsis pump is running normally.
  + If the aspiration volume of the flow cell is unstable, check whether aspiration tube is blocked.
* Ensure it is off and covered when not in use and at the end of the day to prevent dust particles on it.
* Neutral cleaner and wet cloth can be used to clean the surface of the auto analyser. Ensure the working environment of the analyser is clean.
* The date of the maintenance and the initial of the analyst who performed it shall be recorded in the maintenance log book.