Clinitek Urinalysis Quality Control

QC is to be run weekly to ensure analyser accuracy. User lockout will occur if QC fails.

QC material is a Siemens Chek-Stix Urinalysis Controls levels 1 and 2. Bulk QC solutions are kept in the Biochemistry walk in fridge POCT box. In use QC solutions are kept in the POCT Managers office on the back shelf. This product is a ready-to-use liquid product.
This product is stable until the expiration date when stored at 2-8^{o}C. Once opened, this product is stable for 3 months when stored tightly capped at 2-25^{o}C.

Preparing a QC aliquot

1. Remove the Chek-Stix UA Dipstick Liquid QC from the refrigerator.
2. Gently swirl the control to re-suspend any sediment.
3. Dispense a 7ml aliquot into a labelled QC test tube.
4. Return the bulk QC solution to the fridge.
5. Allow the aliquot to reach room temperature prior to testing.

Performing Quality Control (lab staff)

- Select **QC Test**
- Select **QC Strip Test**
- Enter **Operator ID**
- Enter **control lot and expiry** using the touchscreen. This information is on the side of the QC test tube.
- Scan **Strip Lot number and expiry**
- Select **START**
    - Put a drop of QC material onto each test pad on the strip
    - Blot the side of the strip on a paper towel to remove excess
    - Place on test tray
- Remove and dispose the test strip. Print results.
- Wipe test tray with paper towel
- Repeat process for the level 2 control

The analyser has the expected results pre-programmed into the analyser, and it will notify a pass or failed result.

If the Quality Control FAILS:

- Check the correct level of control solution was used
- Check the expiry of the strips and QC material
- If all are correct, rerun the QC.
- Further failed attempts contact Siemens for advice.

If the Quality Control PASSES:

- Scan and save analyser printouts to the current year spreadsheet found at: J:\Departments\POCT\QC\Clinitek Urinalysis
- Ensure weekly QC tasks are performed as per *Clinitek Urinalysis Maintenance* method

External Quality Assurance

This instrument participates in the monthly Waikato EQA programme. Urine samples are sent to the POCT Quality Manager and run on the instrument. Results are entered online. Results are returned to users showing the spread of results. The following acceptance criteria has been agreed upon in consultation with the laboratory Chemical Pathologist:

- If the majority is split between two values with a single point of separation, then either value is acceptable.
- Otherwise, the result is acceptable when we are in the majority OR we are a single point of separation from the majority (except in the case of Nitrates).
- Nitrate is considered either Positive or Negative and the result is acceptable only if with the majority.