Skyla SH50 Quick Guide

1. Start-Up Checks and Login

1. Check all fluid levels, and check for any kinks/leaks in tubing
2. Turn analyser on using power switch at left hand side, wait for start-up sequence to finish
3. Login using the below credentials
    - Username: admin
    - Password: admin

2. Performing a Background Check

Prior to running a patient sample, a Background check must be performed to assess reagent quality and machine cleanliness.

Running a Background check:

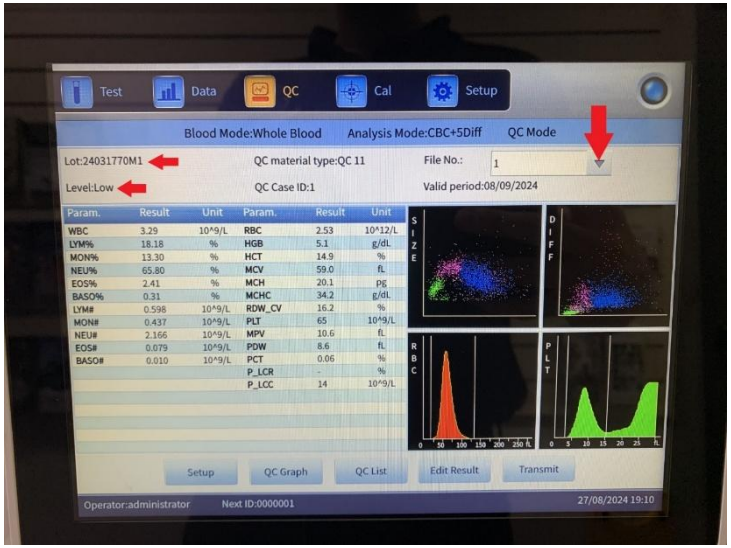
- Press Mode Switch
- Select Background instead of Rout. Blood, Press Ok
- Press Aspirate Key (no sample required)
- Confirm background result is within limits

Parameter	Acceptable Range
WBC	≤0.20
RBC	≤0.02
HGB	≤1
HCT	≤0.5
PLT	≤10

3. Performing Quality Control

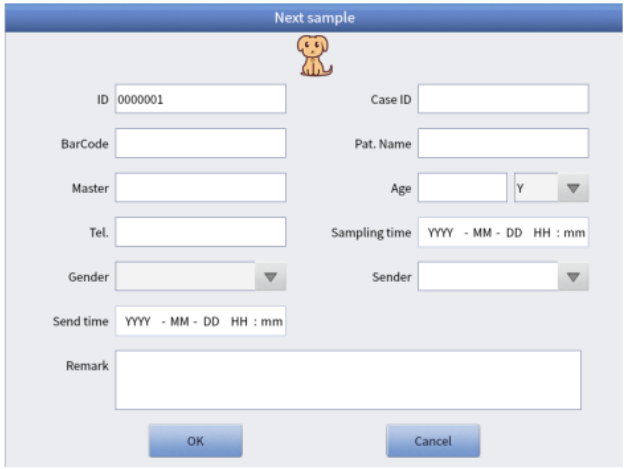
Prior to running a patient sample, a Quality Control sample with a known result must be tested to assess the accuracy and precision of the analyser.

- Press Mode Switch
- Select Rout. Blood instead of Background, Press Ok
- Select QC Tab at top of screen
- Make sure correct file number is selected and matches the LOT Number and Expiry Date of the QC tube you are using.
- Invert the QC sample 8-10 times, then immediately present to aspirate needle and push aspirate key (black button).
- If QC results are not within limits after three consecutive tests, call Technical Support (1300 837 252)



4. Running a Patient Sample

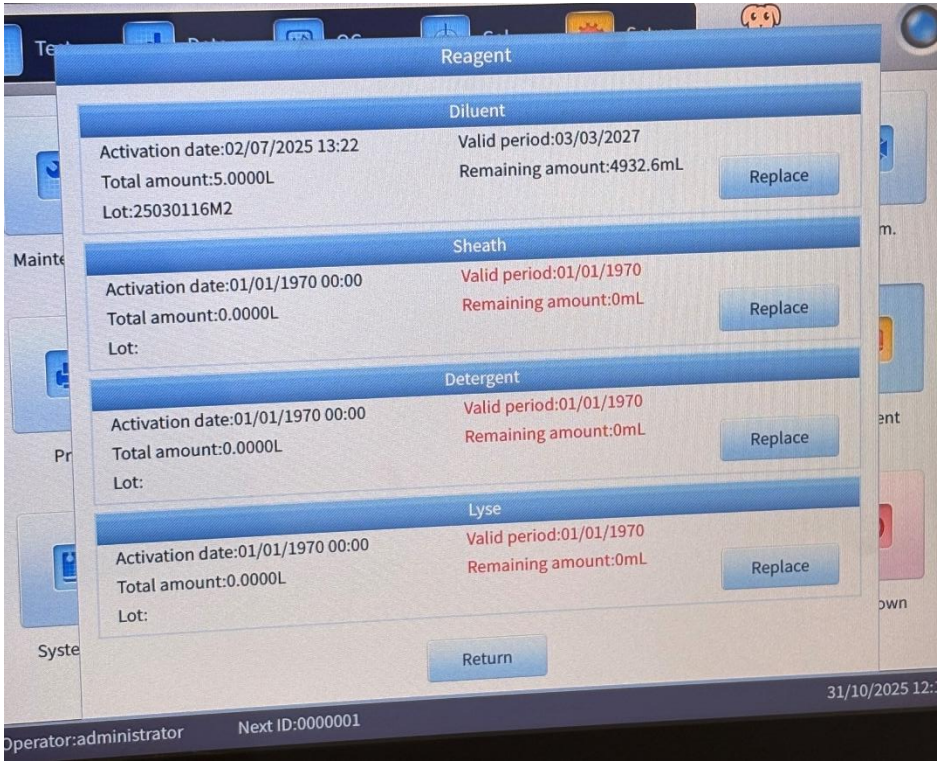
- Press Animal button
- Select Dog or Cat as species, Press Ok
- Press Next Sample
- Fill in patient details, then press OK.
- Invert patient sample 8-10 times, then submerge aspirate needle in sample and press aspirate key to initiate test.
- Wait for beep indicating aspirate needle has retracted.

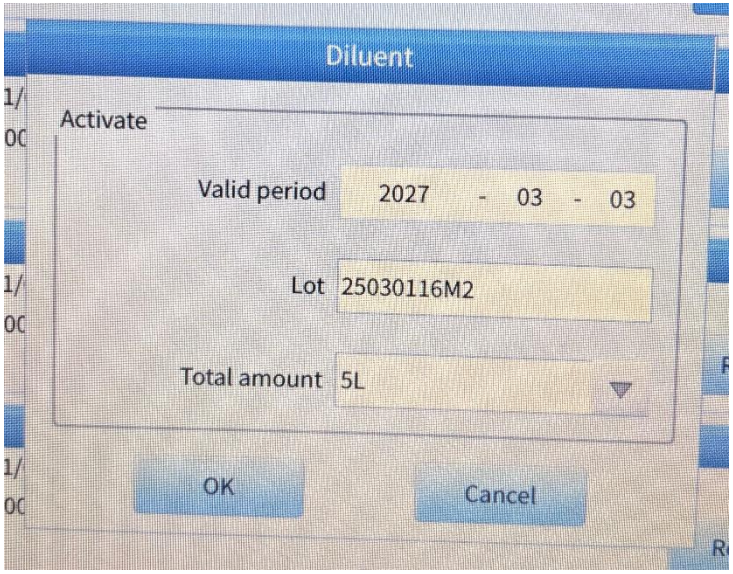


5. Replacing reagents

- **Navigate to Setup > Reagent**
- **Select 'Replace' on reagent that needs replacing.**
- **Fill-out Reagent details**
- **Press Return**
  - **Connect new bottle of reagent to analyser.**
- **Navigate to Maintenance**
- **Press Change for the appropriate reagent that you have just replaced (e.g. Change Lyse) to flush new reagent through the system.**

Refer to next page of Guide for Maintenance menu





6. Routine Maintenance

- On startup and upon logging in, the analyser will perform an 'Auto Blank' test. This setting is turned on by default and helps to maintain analyser function.

- 'Soak on Exit' function is turned on by default. This will prompt the user to perform an 'Overall Soak' when shutting down the analyser. Follow the on screen prompts to perform overall soak.

    - Additionally, 'Overall Soak' can be performed manually by Navigating to Setup > Maintenance > One Key Soaking

- **Analyser should be shutdown at least twice per week. To do this, navigate to Set-Up > Shutdown. It is necessary to clean counting chambers and rinse the flow system to prevent measurement errors caused by residues. Shutting down twice per week helps prevent residue build up.**

- Additional maintenance procedures. These can be performed monthly.
    - Cauterize Aperture
    - Flush Aperture
    - Rinse impedance channel
    - Rinse Optics channel