

# Quick Reference Guide

## Medonic M51



### 1 Startup

1. Turn on the power to start the analyzer.
2. Enter the username and password on the screen.
3. The startup initialization and cleaning procedures begin. After those procedures, you can perform operations on the user interface.

### 2 Daily Quality Control

Prior to sample analysis, run the controls in the QC interface.

1. Click **QC** and then click **QC Analysis**.
2. Select the QC **File No.** to run (Low, Normal, High).
3. Follow the control instruction for use for control preparation. Make sure the level of the control corresponds to the level of the selected QC file.
4. Aspirate control material.
5. Repeat steps 1 to 4 for the next level of control.


### 3 Analyzing Whole Blood Samples

1. Click **Mode & ID** in the **Sample Analysis** screen.
2. Select **Venous Whole Blood (VWB)** or **Capillary Whole Blood (CWB)** as required.
3. Select the measurement mode **CBC** or **CBC+DIFF** and enter the sample ID (scan the barcode or type in the sample ID manually). Click **OK**.
4. Place sample probe into well-mixed sample tube. The probe should immerse into the sample. Press the aspiration plate to start the sample analysis. Remove the sample tube when you hear a beep.

### 4 Analyzing Predilute Samples

1. Click **Mode & ID** in the **Sample Analysis** screen and select **Predilute**.
2. Select the measurement mode **CBC** or **CBC+DIFF** and enter the sample ID (scan the barcode or type in the sample ID manually). Click **OK**.
3. Click **Add Diluent** on the menu screen and hold a tube under the sample probe.
4. Press the aspiration plate. Remove the tube when you hear a beep. If more portions of diluent are needed, take another tube and repeat this step.
5. Click **Cancel** to exit the diluent dispensing.
6. Add 20µL of capillary blood to the diluent, cap securely and gently invert the tube 8 to 10 times to mix the sample.
7. Place sample probe into the diluted sample. The probe should immerse into the sample. Press the aspiration plate to start the sample analysis. Remove the microtube when you hear a beep.

### 5 Shutdown

1. Click  on the menu screen, perform the shutdown procedure by following the screen instructions. Do the shutdown maintenance with the Boule EasyCleaner.
2. Turn off the power of the analyzer.
3. Empty the waste container and dispose of the waste properly.

### 6 Precautions

#### Troubleshooting

- If an error occurs, an error message displays on the top of the interface. To remove the error, tap the error message, and click **Remove Error**. For details, see the **Troubleshooting** chapter in the **User Manual**.

#### Changing of Reagents

1. When a reagent is running out, an error message is prompted on the screen.
2. Select the error message and select the error in the popup dialog box and click **Remove Error**.
3. A dialog box pops up. "Put the RFID card on the RFID card reader"
4. Place the RFID card on the RFID symbol on the front of the analyzer. The card reader beeps and a popup dialog box showing successful reagent settings appears. Click **OK**.
5. Connect the reagents.
6. Run a background check and ensure that the results are within the allowed limits.

#### Routine Maintenance

Maintenance Scenarios	Operations
Shutdown or daily	Perform <b>Clean and Soak</b> .
Before a short distance transport (transporting time ≤ 2h)	Perform <b>Empty Fluidics</b> .
If instrument is not to be used for over one week or for a long-distance transport (transporting time > 2h)	Perform <b>Prepare to Ship</b> .

#### Sleep

The analyzer enters sleep mode when no operation is done for a specified interval. Touch the screen to wake up the analyzer.

