

# Quick Guide for UNION

(V 2.2)

## 1 Switch on

- 1) Check and ensure the common reagents (Washing Buffers and Cleaning solution/ Distilled water) has sufficient volume. Check the waste tank and ensure the tubing is well connected.
- 2) Check and ensure the USB cable and the power cord are well connected. Switch on the Instrument by means of the power switch on its back. Switch on the computer.
- 3) Enter the main operation screen, click **Union** at the left side of the screen and enter the operating platform. Enter the Stand-by mode after Self-Check.

## 2 Preparation for Sample Analysis

- 1) Click **CALIBRATIONS** on the operation window, select or review the calibration records and the calibration curve. Calibration once only for the same lot.
- 2) Click **QCS** on the operational window to select or review the Quality Control records according to your needs).
- 3) Self-Check

Follow the instructions on screen, insert a blank (or calibration) reagent strip in position# 1 on the holding carousel, and make sure position #2 is emptied. Click **START** , the Self-Check process will be completed automatically.

## 3 Operation and Analysis

### 1) Run the tests

- Add sample (>65µl), calibrator (135µl) and quality control (135µl) respectively into the sample well of the strip. Load the strip into carousel according to IFU. Make sure there is no liquid hanging in the sealed reagent wells.
- Click **SCAN** and select the strip to be tested.
- Use the external barcode reader to scan the corresponding calibrator / quality control / sample barcodes. You can also type in the sample code manually.
- Click **RUN** . The results will be shown automatically on the results column after detection.

## 2) Review the results

Click **RESULTS** and select or review the results according to your needs.

## 3) Data Transfer

The test data and results can be transferred to LIS automatically.

## 4 Switch off

- 1) The system will perform a self maintenance automatically after all the running cycles. Please wait for the completion of the maintenance.
- 2) Click **QUIT** on the main menu, and switch off the computer, monitor and printer.
- 3) Power off.

## 5 Maintenance

### 1) Daily Maintenance

Before switching on the instrument, clean the instrument surface with dry cloth or disinfectant.

### 2) Weekly Maintenance

Click **SANITIZING** and follow the instruction to change for “sanitization solution”. After 80 seconds of priming, change for “cleaning solution / distilled water” according to the Instruction. The instrument will run the sanitization and then priming process automatically

### Notes:

- 1 Maintain a stable room temperature. Avoid strong air current from air-condition. Avoid direct sun light.
- 2 Gloves must be worn at all time during operation. Avoid looking into the light of the barcode scanner to avoid damage to your eyes.
- 3 Unused strips, calibrators and controls should be sealed tightly and stored at 2 °C to 8°C.
- 4 Please leave strips at room temperature as short time as possible. Please avoid bright light on TMB substrate.
- 5 Periodic maintenance should be carried out as suggested.
- 6 If liquid hanging is found in sealed reagent wells, please tape the strip to drop it down.

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Please do not hesitate to contact us in case of any question.

### Customer Service Department

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