

Monitoring E-cube Instructions for Use

Intended Use

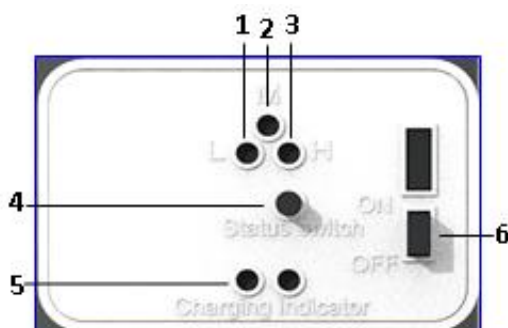
This product is used for status monitoring and adjustment of the DP-H10/DP-H12/DP-H13/DP-H15/DP-H16/DP-H17 Auto Hematology Analyzer.

Test Principle

The Monitoring E-cube simulates the analog and optical signals output during real sample measurement process through internal control module. The analyzer collects these signals sent out by the E-cube, performs the same data analysis process for real sample measurement, and determines the status of the analyzer based on the results obtained.

Components

1. Low-Value Mode Indicator Light (Yellow)
2. Medium-Value Mode Indicator Light (Green)
3. High-Value Mode Indicator Light (Red)
4. Mode Switch Button
5. Charging Indicator Light
6. Charging Port
7. Power Switch



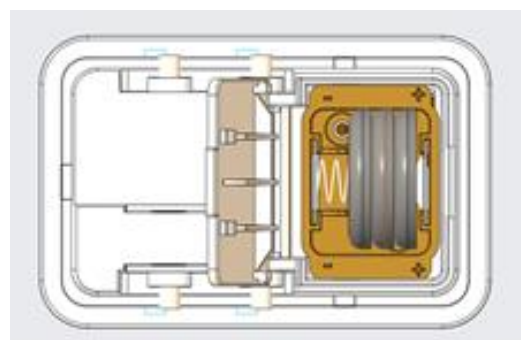
Battery Level

1. Check the battery level of the Monitoring E-cube.

Turn on the power switch. If the low-/medium-/high-value lights all stay on, the E-cube is ready for use. If the low-/medium-/high-value lights illuminate flashing yellow/green/red, you need to replace the battery before use.

2. Replacing the batteries of the Monitoring E-cube.

Open the cover on the back of the Monitoring E-cube, follow the illustration below to insert 3 button batteries into the slot. Please pay attention to identify the positive and negative electrodes.



Mode

Turn on the power switch, the Monitoring E-cube is set at **Background Mode** by default. Tap **Mode Switch** button to switch between Background, Low-Value, Medium-Value and High-Value modes.

Background Mode

The low-/medium-/high-value lights illuminate solid yellow/green/red.

Low-Value Mode

The low-value light illuminates solid yellow, and the rest of the indicator lights turn off.

Medium-Value Mode

The medium-value light illuminates solid green, and the rest of the indicator lights turn off.

High-Value Mode

The high-value light illuminates solid red, and the rest of the indicator lights turn off.

Instructions for Use

Power on the Monitoring E-cube and make sure that it has sufficient battery level.

1. QC Monitoring

1) Click **Main Menu - QC - L-J QC - QC Settings**, and click **New**.

2) Select **Card-CBC** as the analysis mode, and click **Import**. Select **Read Card** as the file type, and put the E-cube near the RF card reading position, and click **OK** to input the target value of the E-cube to the device.

3) Select **QC Analysis** to enter the interface, click **Start**, adjust the level of the E-cube to a level consistent with the QC settings, and put the E-cube into the analyzer. Click **OK**, and follow the on-screen prompt to continue. Wait until the analysis is completed.

4) When the analysis is completed, take out the E-cube. The QC results will be displayed on the screen and automatically saved into the current QC file.

2. Calibration Coefficient Adjustment

1) Click **Main Menu - Cal - Calibrator** to enter the calibration interface.

2) Select **Card** as the analysis mode, adjust the E-cube to Medium-Value Mode, and click **Start**. Select the serial No. from the pop-up window, input 10 as the total number of tests. Input the target value of the corresponding serial No. on the interface.

3) Put the E-cube into the analyzer, and click the **OK** button in the dialog box. Perform 10 consecutive tests. A dialog box pops up when tests are completed, click **Save**.

4) Click **OK** in the Tests Completed dialog box upon completing the tests, take out and switch off the Monitoring E-cube.

Cautions

1. Power down the Monitoring E-cube after use. Please charge the product before use after leaving it for a long time.

2. The storage of the Monitoring E-cube should avoid high temperature and humidity.

3. Button batteries are used to power the Monitoring E-cube. Please do NOT charge the device.

4. Power down the Monitoring E-cube after use as soon as possible.

Usage Suggestions

1. When using the device for the first time, it is recommended to use Monitoring E-cube to do the test in the **QC** interface (Card Mode), if the result is abnormal, please do the test in the **calibration** interface (Card Mode) to calibrate the instrument.

2. It is recommended that the Monitoring E-cube be tested at least once every days during daily use of the instrument.

3. If the blood sample or QC product is still abnormal after calibrating the instrument with the Monitoring E-cube, please contact your local agent or the manufacturer's after-sales service.

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