

Diesse CUBE 30 Touch Quick Reference Guide

Refer to the CUBE 30 Touch User Manual for complete details on the installation and operation of the system.

Materials Provided

- Quick Reference Guide
- Plastic adaptor plate (See Figure 1)
- Power cable
- Touch screen stylus
- USB cable
- USB flash drive



Figure 1. Plastic adaptor plate.

Unpacking Instructions (See Figure 2)

1. Open the box from the top.
2. Remove the block of polyethylene foam covering the instrument.
3. Remove the accessories stored inside the box.
4. Remove the instrument from the box.
5. Remove the instrument from the protective plastic bag.



Figure 2. Unpacking the instrument.

Environment

1. Position the instrument in a dust-free environment away from heat sources and free from exposure to any liquids.
2. Position the instrument on a level surface free from shaking or vibrations.
3. Maintain a 15 cm or 6" perimeter around the instrument as a safety precaution.
4. Maintain a 1 meter distance from devices that generate electromagnetic waves, e.g., laboratory refrigerators, centrifuges.

Installation (See Figure 3)

1. Verify the power switch is in the OFF position.
2. Open the cover, unscrew the central knob, and remove the stabilizing plate used for transport. **Retain stabilizing plate, as it must be used when transporting analyzer.**
3. Optional: If conventional stopper EDTA tubes are in use, insert the plastic adaptor plate. (See Figure 1)
4. Screw the central knob back in place to secure the carousel.
5. Connect the power cable and optional external barcode scanner.
6. Turn the power switch to the ON position.

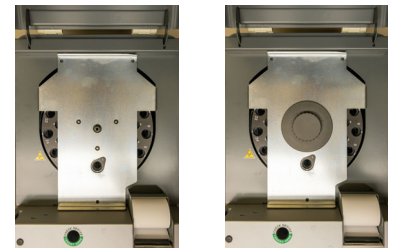





Figure 3. Installing the instrument.

Home Screen

The Home screen provides 3 options:

-  START - Run samples.
-  ARCHIVE - View patient and QC results.
-  SETTINGS - View/change instrument settings.

The screen will go into standby mode and the screen will turn black after several minutes of inactivity. Tap the screen to exit standby mode.

Archive Menu Functions

1. From Home, press the Archive icon to view/search all patient sample results.
2. From the sample archive, press the QC button to view/search all QC results.

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Load Transponder

1. From the Home screen, click on Settings.
2. Select Refill. Prompt will read, "Insert TEST DEVICE and press CHECK key."
3. Open the CUBE 30 Touch instrument lid. Insert the transponder tube into the well labeled "CHECK DEVICE, INSERT HERE" with the cap oriented down.
4. Press "Check" and follow the instructions on the screen. Press "Yes" at the next prompt to add tests.
5. Prompt will confirm the number of tests added. Press "OK."
6. The number of remaining tests will update in the upper left corner of the screen.

Register New Lot of QC

Quality Control materials supplied by Diesse and Streck are automatically and conveniently identified by the instrument. For this reason, registration of the control material is not necessary. **QC vials supplied by Streck are run without the plastic adaptor.**

Run Samples – Batch mode

1. From the Home screen, press the Start button to begin ESR analysis. The Cube 30 Touch is ready to run samples once initialization is complete.
2. Insert Normal QC, Abnormal QC and/or patient samples into any free position with the barcode positioned toward the mark on the front of each well.
3. Press the "Play" button to begin the batch cycle.
 - a. Normal QC samples will display an image of a tube with a white cap.
 - b. Abnormal QC samples will display an image of a tube with a black cap.
 - c. Patient samples will display an image of a tube with a purple cap.
4. The instrument scans each position to detect the presence of a sample and read the barcode. If barcode reading is not successful, a window prompt opens with the following options:
 - a. RETRY – Open the lid, reposition the sample, press RETRY to rescan the barcode.
 - b. MANUAL ENTRY – Press the blank field above the buttons to display a virtual keyboard. Enter a sample ID code and press the enter key.
 - c. SKIP – Press the SKIP key to proceed without entering a sample ID for the individual sample.
 - d. SKIP ALL – Press the SKIP ALL key to proceed without entering a sample ID code for all unlabeled samples in the batch.
5. The instrument will initiate the 2-minute mixing cycle and automatically proceed with the 20-minute ESR analysis cycle.
6. The remaining test time for the batch cycle will be displayed in the center of the carousel or above each tube in tube view.
7. At the conclusion of the test, the ESR result will display above the tube image and automatically print, if paper is loaded. QC results will be stored in the QC archive file and patient results will be stored in the sample archive.

Run Samples – Random access mode

Note: Samples added in random access mode must be thoroughly mixed before inserting the sample into the instrument. The CUBE 30 Touch does not perform an automatic mixing step in random access mode.

1. If a batch cycle is in process and free positions are available, press the "+" button to add a sample.

Note: The "+" button is disabled if the remaining time for the in-process sample(s) is 2 minutes or less.

2. Open the lid and insert the well-mixed sample into the position specified on the display with the barcode positioned toward the mark on the front of each well.

Note: If samples are not loaded within 30 seconds of opening the cover, as a safety feature, the entire cycle will be aborted.

3. The instrument scans the position to detect the presence of a sample and read the barcode. If a barcode is not detected, a sample ID can be added at the conclusion of the test.
4. A window will open, displaying position of sample and tube type of Normal. Select OK to proceed with testing
 - a. If tube type is not Normal, select Set and choose the appropriate tube type. Select OK to proceed with testing.
5. The remaining test time for each additional sample is displayed on the tube cap in carousel view or above the sample in tube view.
6. At the conclusion of the test, the ESR result will display above the tube image and automatically print, if paper is loaded. QC results will be stored in the QC archive file and patient results will be stored in the sample archive.

Scan for CUBE 30 Touch User Manual

Or go to:

streck.com/products/sed-rate/diesse-cube-30-touch/
and navigate to the Resources section of the page for the manual.

