

# Gem Hemochron 100 ACT-LR

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## Tutorial

**GVH** GRAND VIEW HEALTH



## Intended Use:

- The Gem Hemochron 100 ACT-LR ( Low Range Activated Clotting Time ) test is a quantitative assay for monitoring anticoagulation with low to moderate unfractionated heparin doses in fresh whole blood samples.

# Hemochron 100 Components

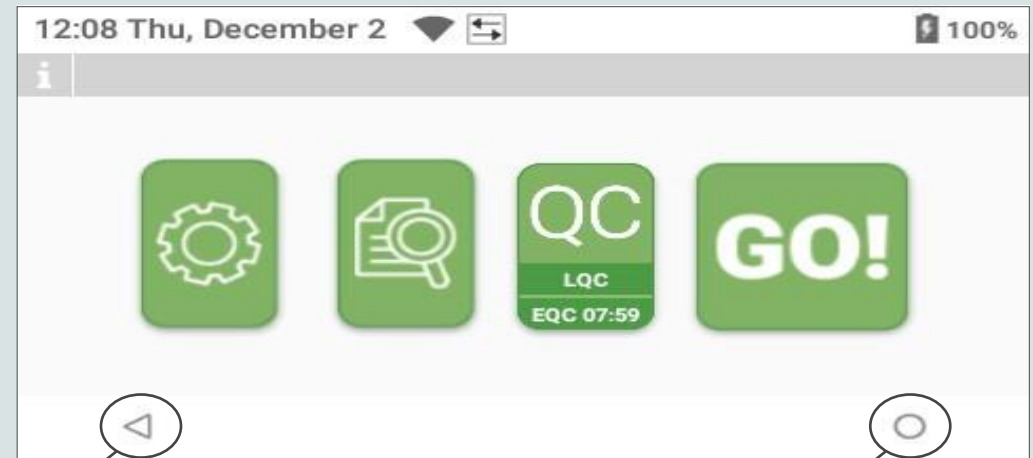


# Hemochron 100 Home Screen Icons

SETTINGS



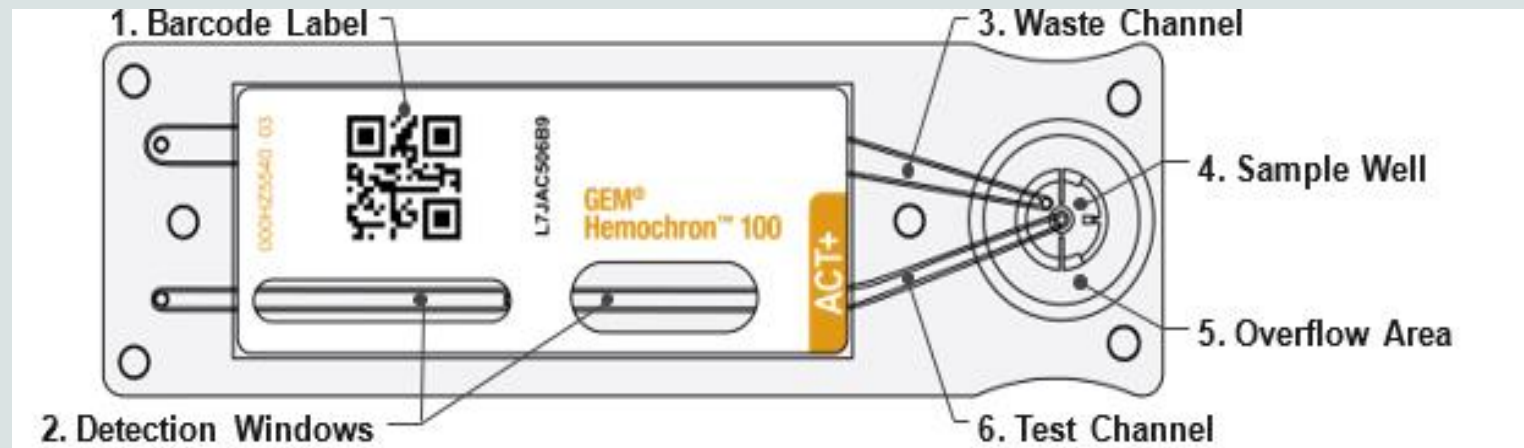
VIEW TEST  
RESULTS



Back

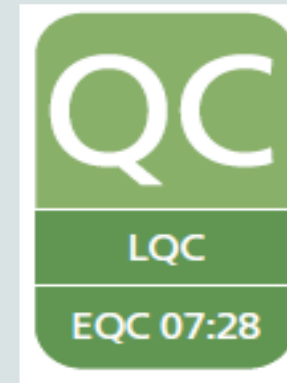
Home

# Hemochron 100 Test Cartridge



# Hemochron 100 Verifying EQC

- If screen is dark tap to activate.
  - EQC is required every 8 hours.  
( it is automatically run every 8 hours )
- View time remaining on QC icon.
- EQC takes 5 minutes to run
  - If time remaining is less than 3 hours  
initiate EQC.



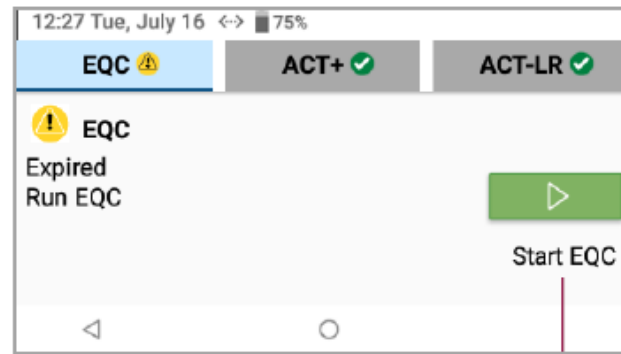
# Hemochron 100 Running EQC



Tap screen and then



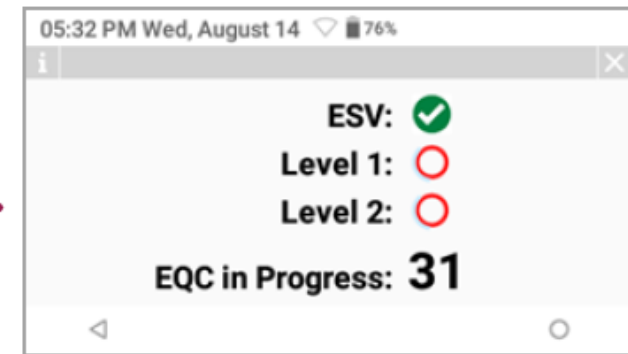
(1).



Select **Start EQC**

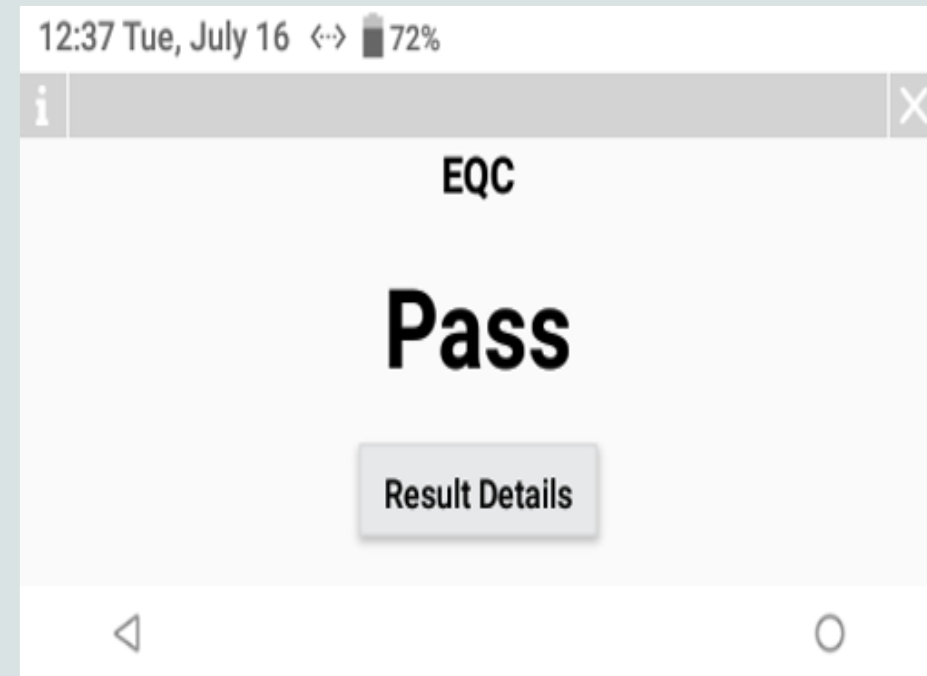


(2).



Three instrument-validation phases will be initiated. EQC test result will be displayed.

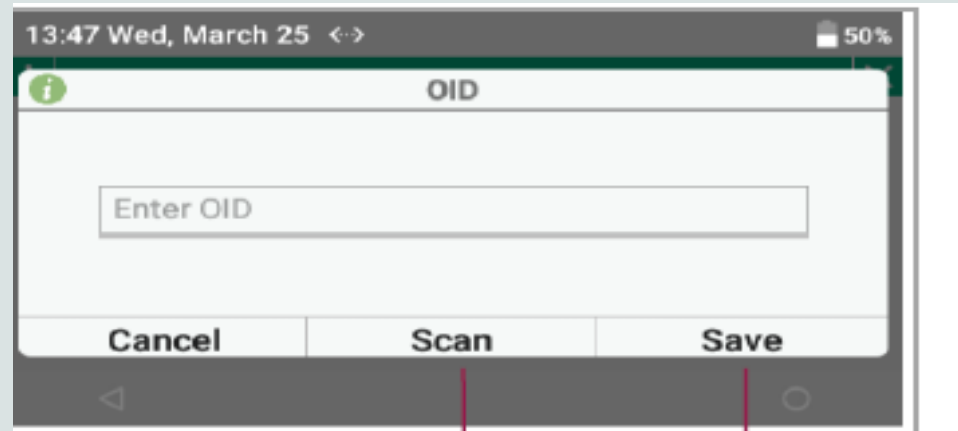
# Hemochron 100 Running EQC



# Hemochron 100 Running Patient Specimen



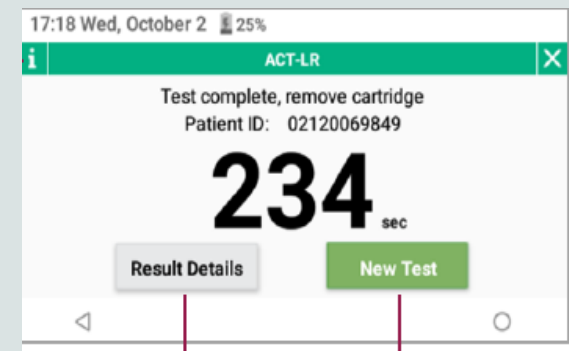
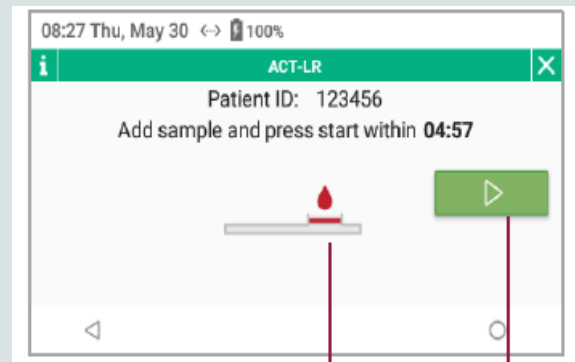
# Hemochron 100 Running Patient Specimen



The screenshot displays the Hemochron 100 mobile application interface. At the top, the status bar shows the time as 13:47 on Wednesday, March 25, and the battery level at 50%. The app's header features a green information icon on the left and the title 'OID' in the center. Below the header is a large text input field with the placeholder text 'Enter OID'. At the bottom of the app window, there are three buttons: 'Cancel', 'Scan', and 'Save'. The 'Scan' button is highlighted with a red vertical line. The bottom of the screen shows the standard Android navigation bar with a back arrow, a home circle, and a recent apps square.

# HemoChron 100 Running Patient Specimen

Wait while  (Warming Test Cartridge) is displayed, the instrument is warming the test cartridge.



# Hemochron 100 Notes to Remember - Specimen Collection

- Collect fresh whole blood samples for coagulation testing in accordance with institutional procedures and the [Clinical and Laboratory Standards Institute \(CLSI\) guideline POCT14-A](#) ensuring sufficient dead space volume of blood is removed prior to specimen collection, when applicable.
- Collect blood specimens in a manner that prevents contamination with tissue thromboplastin, indwelling intravenous (IV) solutions, or alcohol cleansing solution. Discard samples that are not properly collected or contain visible clots or debris.

# Hemochron 100 Notes To Remember – Loading the Cartridge

- Keep the instrument on a horizontal and stable surface.
- Operators must not prepare the patient sample until the instrument prompts them to apply the sample to the test cartridge. If the patient sample is prepared too early, premature clotting will cause erroneous test results.
- - Collect a minimum of 0.2 ml of fresh whole blood using a non-reactive plastic syringe without additive.
- - Mix sample well and discard one drop before dispensing on cartridge.
- - Dispense 1-2 drops of blood in center of sample well on cartridge

# Hemochron 100 Notes to Remember – Data Transmission and Maintenance

- - Hemochron 100 is WiFi capable
- - Following procedure Hemochron 100 must be returned to Specimen Storage room with reconnection of Power source ( with white triangle Up)
  - Results are transmitted to the EMR through middleware.
- - Wipe down instrument after each procedure or when visibly soiled.

Using PDI Sani-Cloth Bleach Germicidal Disposable Wipe.

