

HemoCue Hb 201 DM

Quality Control– Hemoglobin

Frequency: 2 Levels of HemoTrol Controls (Level 2 and Level 1 or 3) must be run upon receipt of stock (for each lot number) and or monthly basis respectively.

Materials Required

- HemoCue Hb 201 cuvette
- HemoTrol Level 1, 2 ,3



Preparing QC Materials

Take QC material out of fridge and leave for 15 minutes to bring to room temperature. Gently mix the vial 8-10 times before sampling.

- Open vials are stable for *30 days* when stored at room temperature: 15–30°C.
- Open vials are also stable for *30 days* when stored in the refrigerator at 2–8°C.
- **Always** write the open date, initials, and new expiration date on the vial.
- Unopened vials are stable if refrigerated at 2–8°C until the expiration date on the vial.

Note: The analyser will lock down and will remain locked until QC is performed. If a Liquid control lot specification has not previously been sent to the Analyser and/or has expired, the following text will be displayed: *“Invalid Control Lot”* Contact your Point of Care Coordinator if this

QC Failures and Corrective Actions

If one or more of the HemoTrol Controls fails to give expected results:

1. Check that the microcuvettes or controls are not expired.
2. Ensure the controls have not been in use for more than expiry date.
3. Ensure microcuvettes and controls have been stored correctly.
4. Repeat testing using new control materials, ensuring controls are well mixed and the testing procedure is carefully followed.
5. If this repeat testing fails, **DO NOT PERFORM ANY PATIENT TESTING** until the issue is resolved. Refer to the Troubleshooting Escalation Pathway.
6. Document any error codes etc in the Log Issues section of the HemoCue Hb 201 DM Maintenance Log Sheet.

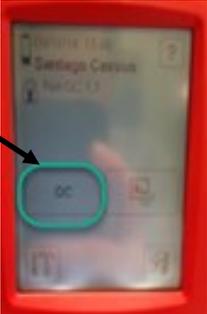
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Health
Pathology

Quality Control Procedure

1. **Turn on** analyser by pressing black button
2. **Pull out** cuvette holder
3. After “Self testing” is complete, **scan** your Operator ID as per normal. 
4. Main menu will display, **press** the QC button on the analyser screen. **Select** the level of QC you are performing (example Level 1) 
5. Observing PPE policies, take a microcuvette out of package (check expiry dates)
6. **Place** a drop of blood from the vial onto the packaging of the cuvette which has been laid out flat, **DO NOT** sample directly from the vial. Make sure the drop of blood is big enough to fill the cuvette completely
7. Introduce the cuvette tip (pointed end) into the middle of the drop of QC material—gently wipe the edges of the microcuvette on the gauze - avoid touching the opening, examine microcuvette for bubbles
8. **Place** the filled microcuvette in the cuvette holder and close the cuvette holder into the measuring position (closed). 
9. The analyser will ask for “Control Lot” - **scan** the liquid QC barcode from the package insert of the QC material
10. Analyser will beep and display a numeric result as well as a “pass” or “fail” comment. **Press OK** after you have documented the result. If the result failed, QC must be repeated.
11. Pull the cuvette holder out to the “loading” position and dispose microcuvette in sharps bin