

PixCell HemoScreen Training Guide

TNG-POC-007

Issued: 6 March 2025 Approved by: R. Nallas

This Training Guide is designed to assist the Trainer when training staff for the HemoScreen

Pre- Analytical	
Health and Safety	Reinforce the need to use PPE and follow the OH&S procedures relating to blood handling
Components of the HemoScreen	Identify the HemoScreen device (sometimes called analyser), HemoCup, capillary sampler, cartridge and printer.
Sample Requirements	Blood collected into an EDTA (Purple Top) tube is the only acceptable sample type for the HemoScreen. Blood must be collected using positive patient identification. The tube must be labelled, filled correctly and well mixed before testing. A poorly collected sample or unmixed tube may give erroneous results.
Cartridge Storage	Cartridges are stored at room temperature and have a printed expiry on the pouch. The expiry must be checked before use.
Analytical	
Filling the Sampler Capillary & Inspecting for bubbles	Use LWI-POC-031 HemoScreen Patient Test Procedure to demonstrate the procedure to insert the HemoCup into the tube and the correct technique for filling the capillary sampler. Explain that the capillary sampler must be inspected for bubbles after filling and if bubbles are present the sampler must be discarded and a new capillary sampler filled for testing.
Running a patient sample	Observe the trainee run a patient sample and print results by following the steps in LWI-POC-031 Training UR: 123456, DOB: 01/01/2000
Patient Identification & POCT Patient Reconciliation Form	Patient must be positively identified when sample is collected and sample labelled. Emphasise the correct Patient details have to be entered into the HemoScreen and the potential consequences if wrong Patient ID is entered i.e. the results going into the wrong patients records. Show the POCT Patient Reconciliation Form and reinforce that this needs to be filled in and sent to supervising lab every time a Patient ID error is made. Make sure the trainee knows where to locate these forms and show an example of a completed form.
Operator ID and Operator Responsibility	Explain that all testing done on the HemoScreen is traceable, each operator is accountable for everything done under their Login. The Operator ID is also used to assess competency for each Operator. Tell the trainee to think of their ID like a Signature and DO NOT SHARE
Post Analytical	
Significant and Critical Results and Further Testing	Explain the results are to be reviewed after testing and when FURTHER TESTING RECOMMENDED is on the printout to send sample with a request form for a Lab FBE. The results are to be communicated to clinician. Critical and Significant results need to be forwarded within the expected time frame. Direct trainee to the Critical and Significant Limits display document.

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Unexpected results	Explain that if results are unexpected and do not 'fit' with the clinical picture that a new blood collection and repeat testing is advised. A poor blood collection or unmixed tube can give erroneous results. Repeat testing with a new collection.
Error Codes & Troubleshooting	Explain that errors will occur sometimes, the error may indicate the issue e.g. bubbles in capillary sampler. Advise the trainee to repeat the test, but if the same error reoccurs to get advice from a Superuser or Supervising Lab. Make sure trainee can locate contact details for Supervising Lab and is aware of who are Superusers on-site.
Maintenance	
Cleaning	Explain the HemoScreen can be cleaned with a dampened cloth with non-abrasive cleaning solution or 70% isopropyl solution, as needed.
Replace Printer Paper	Demonstrate how to replace printer roll and observe trainee replacing paper.
Superuser – Only Austin Pathology Staff can train Superusers	
QC Requirements	Explain the QC is required monthly. QC is also required for each new delivery of cartridges and when there is a new lot of cartridge received. Any QC 'Fail' results must be actioned. Direct the trainee to SOP-POC-008 and go through/observe the QC Test Procedure. Demonstrate how to download QC ranges using 2D barcode.
QAP	Explain the QAP procedure of running the samples as a patient and make sure the trainee can locate the QAP schedule. Detail the instructions for preparing and handling the QAP samples as outlined in SOP-POC-008 and the importance of following the instructions.
Consumables & Documentation	Make sure the superuser is aware of how to order consumables to cover supplies for one month. Explain the requirements to send any documentation Eg. Temperature monitoring to Supervising Lab each month.

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