



Specimen requirements for HemoCue® WBC testing:

- Venipuncture specimen collected in EDTA tube (purple top tube); **gently mix 10-20 times by hand inversion**



Step	Action	
1	Ensure the analyzer is placed horizontally and on a stable surface.	
2	Pull the cuvette moving arm out of the loading position	
3	Press and hold the button until the screen is activated and all symbols appear.	
4	The analyzer will perform a self-test and after ten (10) seconds, the screen will show three (3) flashing dashes and the HemoCue® symbol. The analyzer is ready to use.	
5	If the venous blood samples have been stored in a refrigerator (2 – 8°C), allow it to warm up to room temperature (15 – 35°C) before mixing or use freshly drawn blood sample. Mix the venous sample tubes thoroughly by inverting the tube 10–20 times by hand.	
6	Place a drop of blood onto a hydrophobic plastic or glass slide, using a pipette.	
7	Fill the microcuvette in one continuous motion. DO NOT REFILL. Make sure that the microcuvette is filled from the tip, placed at about a 45-degree angle towards the blood drop.	
8	Wipe off excess blood from the outside of the microcuvette with a clean lint-free wipe. Be careful not to touch the open tip of the microcuvette.	
9	Be aware of air bubbles in the filled microcuvette unless they are around the edge. If present, discard the microcuvette and fill up a new one from a new drop of blood.	
10	The result is obtained in three (3) minutes. If results are unexpected or unacceptable, repeat the test to ensure pre-analytical factors are not the cause. Perform another venipuncture.	
11	Discard the microcuvette into an autoclave bag.	
12	Tape the analyzer print-out to a completed HemoCue® Analyzer Report, form F100-140-04. Sign and date. The results are now ready for clinical decision making.	
13	Place requisition report in a file folder for the lab staff to enter the results into the lab's electronic information system.	
14	If the Hemocue WBC provides a result of HHH , indicating that the result is above the measuring range of >30.0 x 10 ⁹ /L, send a venous sample to a reference lab for confirmatory testing. Contact the ward to notify them of this decision.	