

HemoCue WBC DIFF

Sample Collection Issues & Interferences



Sample Collection Considerations

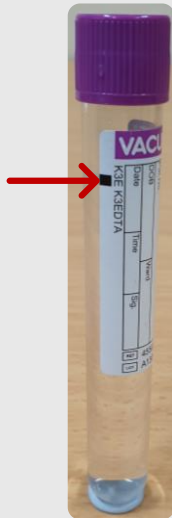
Clients with Cannulas

Prior to the blood draw:

- flush the cannula with sterile saline to remove contaminating intravenous fluids &
- discard the first 3 mL of blood to avoid dilution.



Venous Blood Collection



**EDTA
tube only.**
Fill to
maximum
fill line



Mix
thoroughly
with gentle
inversion



mechanical
mixing



Store
18-30°C



Discard if
clotted



Use within
8 hours


Drug Issues



- chemotherapy drugs
- other immunosuppressive therapies
- other drugs with immunosuppressive effect.

Test results may be uncertain in these cases.


If you know a client is on any of these drugs:

- keep an eye out for flags in the count results. 
- advise the Medical Officer that the results should be interpreted with caution.
- record in Electronic Health Record / Communicare that the results may be uncertain.

Consult the treating psychiatrist if considering using the device for Clozapine monitoring.

- Be aware the differential count results can be affected by clozapine.

Sample Interferences & Issues

- Mixing samples for extended periods or using a mechanical mixer.
- Low Hb (<80 g/L) may cause flags. 
- Nucleated red blood cells can give falsely elevated total leucocyte count (mainly affecting the differential count).