December 2, 2025

HEMATOLOGY

Hematology Critical Values – WBC, HGB, PLT

Date effective: December 3, 2025 at 14:30

Background Information: Defining critical values requires a careful balancing act. In consultation with Clinical Hematology and the Transfusion Medicine Laboratory discipline, critical values for White blood cell count (WBC), Hemoglobin (HGB), and Platelet (PLT) have been revised to reflect clinical demand and patient population as well as overall provincial standardization.

Clinical Practice Change:

- **Be advised of the following updates to WBC, Hemoglobin, PLT critical values:**

Parameter	Critical Value
WBC	High: >100 x10e9/L [updated] Low: ≤0.6 x10e9/L
HGB	All sites except HSC: <60 g/L [updated] HSC: ≤50 g/L
PLT	All sites except CCMB Hematology Lab: <20 x10e9/L [updated] CCMB Hematology Lab: <15 x10e9/L

- **All other Hematological critical values remain unchanged.**

System Improvements:

- **To reduce the volume of phone calls between labs and ordering physicians, easing fatigue at both ends without compromising patient care.**

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