



DIAGNOSTIC SERVICES
MANITOBA

SERVICES DIAGNOSTIC
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POCT Critical Values Job Aid

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NOTE: All critical values must have immediate verbal notification (phone call) and documentation of the date/time and the person who took the results on the Critical Value Log.

ANALYTE (units)	ADULT		CHILDREN		NEONATES**		FREQUENCY
	Low	High	Low	High	Low	High	
Sodium (mmol/L)	120	158	121	156	121	156	Every time
Potassium (mmol/L)	2.8	6.2	2.8	6.4	2.8	6.5	Every time
Chloride (mmol/L)	75	126	77	121	77	121	Every time
Glucose (mmol/L)	2.6	27	2.6	25	1.8	18	Every time
Urea (mmol/L)	–	37	–	20	–	20	Every time
Creatinine (µmol/L)	–	654	–	336	–	–	Every time
Troponin I	> 0.10 µg/L						First positive
pH	7.21	7.59	7.21	7.59	–	–	Every time
PCO ₂ (mmHg)	19	67	21	66	–	–	Every time
PO ₂ (mmHg)	43	–	45	124	37	92	Every time
INR	≥ 5.0						Every time
Hemoglobin	≤ 65 g/L						First time same day
WBC	≤ 2.0 or > 30 x 10 ⁹ /L						First time same day

* Critical values are programmed into i-STAT and cannot be changed; thus they may differ from DSM Critical Values List.

** Values may differ in premature infants

Reference documents:

100-10-06, Reporting Critical Values

110-10-25, Clinical Biochemistry Critical Values

140-10-02, Hematology Critical Values