

Electrolyte	Normal Value	Result	Implications	Common Cause
Na+	135 – 145	< 135	Hyponatremia	SIADH
		> 145	Hypernatremia	DI, DM, Fluid Loss
K+	3.5 – 5.0	< 3.5	Hypokalemia	D, V, Diuretic Therapy, Diaphoresis
		> 5.0	Hyperkalemia	Burns, Renal Failure
Ca++ (TS)	8.5 – 10.5	< 8.5	Hypocalcemia	Acute Pancreatitis
		> 10.5	Hypercalcemia	Hyperparathyroidism
Ca++ (Ionized)	4.5 – 5.5	< 4.5	Hypocalcemia	Massive Transfusion
		> 5.5	Hypercalcemia	Acidosis
P	2.5 – 4.5	< 2.5	Hypophosphatemia	DKA
		> 4.5	Hyperphosphatemia	Renal insufficiency
Mg++	1.8 – 2.7	< 1.8	Hypomagnesemia	Malnutrition
		> 2.7	Hypermagnesemia	Renal Failure
Cl-	96 – 108	< 96	Hypochloremia	Prolonged Vomiting
		> 108	Hyperchloremia	Hypernatremia

Created by Natalie Shelton 02.07.11

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