## **CORPORATE HEALTH & WELLNESS**



## **Additional Lab Tests**

If you have results that fall outside the expected range this may or may not be a cause of concern. We recommend you follow up with your healthcare provider.

Test	Definition	What a low number may mean	What a high number may mean
BUN (blood urea nitrogen)	A waste product formed in the liver and carried to the kidneys, filtered out of blood, and excreted through urine	Malnutrition, over hydration, pregnancy	Liver or kidney disease, heart failure
Creatinine	A chemical waste produced by muscle metabolism	Low muscle mass or pregnancy	Chronic or temporary decrease in kidney function, dehydration
Glomerular Filtration Rate (GFR)	Checks how well the kidneys are working by estimating how much blood passes through the glomeruli (filters) of the kidneys each minute	Chronic kidney disease or kidney failure; GFR decreases progressively with age	Generally not a concern
Sodium	Electrolyte	Use of diuretics, over hydration, adrenal insufficiency, liver or heart disease	Kidney dysfunction, dehydration, Cushing's syndrome, salt use, indigestion
Potassium	Electrolyte	Use of diuretics or corticosteroids (such as prednisone or Cortisone), diarrhea	Acute or chronic kidney failure, Addison's disease, diabetes, Dehydration, salt substitutions
Chloride	Electrolyte	Diuretics, chronic lung disease, vomiting	Dehydration, hyperventilation, kidney disease
Carbon Dioxide	Gaseous waste product from metabolism	Kidney disease, certain toxic exposures, severe infection	Lung diseases, including COPD
Albumin/ Globulin	Proteins made by the liver	Malnutrition, liver disease, inflammatory bowel disease, kidney disease	Dehydration, certain genetic conditions
Calcium	A mineral stored in the hard part of bones	Calcium, magnesium, or Vitamin D deficiency, malnutrition, high phosphate	Kidney disease, hyperparathyroidism, cancer, excess vitamin D intake, diuretics
Bilirubin	A pigment in the bile, a digestive fluid produced by the liver	Generally not a concern	Liver disease, bile duct disorder, red cell destruction
Alkaline Phosphatase	Enzyme found in the liver and bones	Malnutrition, hypothyroid, increased vitamin D	Paget's disease or certain cancers that spread to bone, bile duct obstruction, liver cancer
ALT/AST	Enzyme found mostly in the liver	Generally not a concern	Certain toxins such as excess acetaminophen or alcohol, hepatitis