



## ELECTROLYTES - Test Code 6003



Turnaround Time: 2 business days



Specimen Type: 1x SST  
Blood

## Description

Electrolytes are essential minerals responsible for regulating fluid balance, supporting cellular functions, and ensuring the proper functioning of vital body systems (Shrimanker & Bhattarai, 2023). Specifically, electrolytes facilitate the movement of fluids in and out of cells, transport nutrients into cells, and remove waste products from them.

This panel provides valuable clinical insights into the patient's overall electrolyte balance, helping identify potential imbalances. Electrolyte imbalances are relatively common and can arise from a variety of conditions, including dehydration, kidney disorders, or hormonal imbalances (Shrimanker & Bhattarai, 2023). If left untreated, these imbalances can disrupt the function of critical body systems such as the muscles and brain (Shrimanker & Bhattarai, 2023).

Maintaining optimal electrolyte levels is important for preventing issues such as muscle weakness, irregular heartbeats, and cognitive dysfunction. Prompt assessment and treatment of electrolyte imbalances can help avoid complications and ensure the body continues to function properly (Shrimanker & Bhattarai, 2023). Proper hydration, diet, and medical interventions may be required to restore and maintain electrolyte balance, particularly in individuals with underlying health conditions or those exposed to significant physical stress.

## Whats included?

- Sodium (Na)
- Potassium (K)
- Chloride (Cl)
- Bicarbonate (HCO<sub>3</sub>)
- Urea
- Estimated Glomerular Filtration Rate (eGFR)
- Creatinine

## Conditions and Symptoms

- Dehydration
- Exercise/training
- Muscle weakness
- Cognitive dysfunction
- Hormonal imbalances
- Kidney disorders

## Complementary Testing

- Advanced Hormones Dried Urine (Test code 1501)
- Cardiovascular Profile Comprehensive 2 (Test code 4027)

## Accreditations Include:

- NATA ISO 15189 – Requirements for Quality and Competence in Medical Laboratories\*
- CLIA – Clinical Laboratories Improvement Amendments\*



info@nutripath.com.au



1300 688 522



www.nutripath.com.au

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\*See NATA and CLIA website for further details