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Dr.SAMPLE REPORT TEST HEALTH CENTRE 123 TEST STREET BURWOOD VIC 3125

## SAMPLE REPORT 09-May-1990 Female

16 HARKER STREET BURWOOD VIC 3125

LAB ID : UR NO. : 3814222

Collection Date : 09-May-2022 Received Date:09-May-2022



BIOCHEMISTRY BLOOD - SERUM Result Range Units **UEC (Renal)** 135 - 145 mmol/L SODIUM 141 POTASSIUM 3.5 - 5.5 mmol/l 5.0 95 - 110 mmol/L **CHLORIDE** 98 mmol/l **BICARBONATE** 21 - 32 24 **Anion Gap** 24 \*H 8 - 16 mmol/L mmol/L UREA 6.3 3.0 - 8.0 mmol/L **CREATININE** (mmol/L) 0.09 0.05 - 0.10 Creatinine 45 - 100 umol/L 89 > 60 ml/min **Estimated GFR** 64

UEC Comment

ELEVATED ANION GAP:

A high anion gap indicates metabolic acidosis. In uncontrolled diabetes, there is an increase in ketoacids due to metabolism of ketones. In these conditions, bicarbonate concentrations decrease by acting as a buffer against the increased presence of acids (as a result of the underlying condition). The bicarbonate is consumed resulting in a high anion gap. Examples of metabolic acidosis include:

Lactic acidosis, Ketoacidosis, Diabetic ketoacidosis, Alcohol abuse.

Toxins Exposure: Methanol, Ethylene glycol, Propylene glycol, Lactic acid, Uremia, Aspirin, Iron

Cyanide.

Renal failure; causes high anion gap acidosis by decreased acid excretion and decreased HCO3? reabsorption. Accumulation of sulfates, phosphates, urate, and hippurate also accounts for a high anion gap.

eGFR : >/= 60 mL/min/1.73 sq.m - Does not exclude mild renal impairement, or kidney diseases without renal impairement.