

INDICATION

Indicates the presence of urinary acidosis which can help in determining the cause of a metabolic acidosis that lacks a serum anion gap

INTERPRETATION

ANION GAP	OUTCOME	EXAMPLE CAUSE
Positive (greater than 0)	Low urinary Ammonia (NH_4^+)	Renal tubular acidosis
Negative (less than 0)	High urinary Ammonia (NH_4^+)	Diarrhoea

CALCULATION

$$\text{Urine Anion Gap}_{\text{mEq/L}} = \text{Na}^+ + \text{K}^+ - \text{Cl}^-$$