

Anion Gap & Delta Ratio

High-gap metabolic acidosis quick calculations

Electrolytes & ABG

PHYSICIAN REFERENCE

Equations

- $AG = Na - (Cl + HCO_3)$. Consider albumin correction when hypoalbuminemic.
- Delta ratio = rise in AG / fall in HCO_3 ; use as a clue to mixed metabolic disorders, not in isolation.

Common high-gap causes

- Lactate, ketoacidosis, renal failure and selected toxins/drugs.

Clinical safety note

Use this as a memory aid, not a prescription. Verify current guidelines, local protocols, contraindications, renal/hepatic dosing, pregnancy status, interactions and patient-specific factors before treatment.