

INDICATION

Calculates the true sodium level in patients with hyperglycemia.

Serum sodium levels are falsely reduced by hyperglycaemia.

CALCULATION

Katz (1973) calculation

$$\text{Corrected Sodium}_{\text{mmol/L}} = \text{Sodium}_{\text{mmol/L}} + ((\text{Glucose}_{\text{mg/dL}} - 100) \times 0.016)$$

Hillier (1999) calculation

$$\text{Corrected Sodium}_{\text{mmol/L}} = \text{Sodium}_{\text{mmol/L}} + ((\text{Glucose}_{\text{mg/dL}} - 100) \times 0.024)$$