

## Abbreviations

$A^-$	Volatile buffer ions
AG	Anion gap
[Albumin]	Albumin concentration
$[A_{\text{tot}}]$	Total concentration of serum non-volatile weak acids
AUC	Area under curve
[BE]	Base excess concentration
$BW_{\text{kg}}^{0.75}$	Metabolic body weight
CA	Carbonic anhydrase
$\text{Ca}^{++}$	Calcium ion
[Cl <sup>-</sup> ]	Chloride ion concentration
CO <sub>2</sub>	Carbon dioxide
$[\text{CO}_3^-]$	Carbonate ion concentration
DCAD	Dietary cations anions difference
ECF	Extracellular fluid
H <sup>+</sup>	Hydrogen ion
$[\text{H}^+]$	Hydrogen ion concentration
Hb	Haemoglobin
HCl	Hydrochloric acid
HCO <sub>3</sub> <sup>-</sup>	Bicarbonate ions
$[\text{HCO}_3^-]$	Bicarbonate ions concentration
H <sub>2</sub> CO <sub>3</sub>	Carbonic acid
hrs	Hours
H <sub>2</sub> PO <sub>4</sub> <sup>-</sup>	Di-hydrogen phosphate
HPO <sub>4</sub> <sup>2-</sup>	Mono-hydrogen phosphate
$[\text{K}^+]$	Potassium ion concentration
Ka	Effective dissociation constant
[Lactate <sup>-</sup> ]	Lactate concentration
m	month
Mg(OH) <sub>2</sub>	Magnesium hydroxide
$\text{Mg}^{++}$	Magnesium ion
$[\text{Na}^+]$	Sodium ion concentration
NaCl	Sodium chloride

NaHCO <sub>3</sub>	Sodium bicarbonate
n	Number
[OH <sup>-</sup> ]	Plasma hydroxide ion concentration
Ref	Reference
P <sub>aCO2</sub>	Arterial partial pressure of carbon dioxide
P <sub>CO2</sub>	Partial pressure of carbon dioxide
P <sub>O2</sub>	Partial pressure of oxygen
[Pi]	Inorganic phosphate concentration
S	The solubility coefficient of carbon dioxide
[SID <sub>3</sub> ]	Strong ion difference concentration with three ions Na <sup>+</sup> , K <sup>+</sup> and Cl <sup>-</sup>
[SID <sub>a</sub> ]	Apparent strong ion difference concentration
[SID <sub>e</sub> ]	Effective strong ion difference concentration
SIG	Strong ion gap
[SIG]	Strong ion gap concentration
[UA]	Unmeasured anions concentration
[UC]	Unmeasured cations concentration