

Delta	Delta anion gap—delta $\text{HCO}_3^-$ <ul style="list-style-type: none"> <li>The difference between the rise in AG and the fall in bicarbonate</li> </ul>	Assists the clarification of mixed acid–base disorders: <ul style="list-style-type: none"> <li>If <math>&gt; +6</math> mmol/L, then a metabolic alkalosis coexists with an increased anion gap metabolic acidosis</li> <li>If <math>&lt; -6</math> mmol/L, then a normal anion gap and increased anion gap metabolic acidosis coexist</li> </ul>
-------	--	--

Lactate	Bedside lactate (lactate oxidase method) – laboratory lactate (lactate dehydrogenase method)	Seen with ethylene glycol toxicity—due to interference with the bedside (blood gas machine) assay but not the laboratory test
---------	--	---

Oxygen saturation	Spo <sub>2</sub> (pulse oximetry)—co-oximetry Sao <sub>2</sub>	A saturation gap arises in the presence of abnormal haemoglobins which are only detected with co-oximetry: <ul style="list-style-type: none"> <li>carboxyhaemoglobin (normally <math>&lt;2\%</math>)<sup>†</sup></li> <li>methaemoglobin (normally <math>&lt;2\%</math>)</li> <li>sulphaemoglobin (normally undetectable)<sup>‡</sup></li> </ul>
-------------------	--	--

