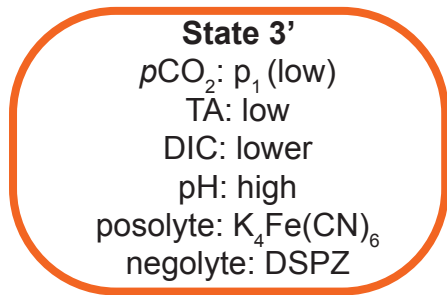
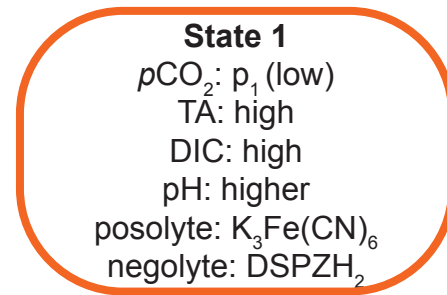


process 3-3': Switching from p_3 to p_1
Further CO_2 outgassing: $\text{HCO}_3^- \rightarrow \text{CO}_2 + \text{OH}^-$

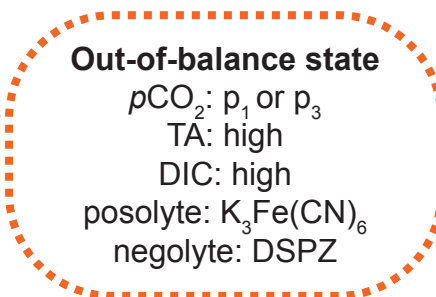


process 3'→1: Deacidification/ CO_2 invasion
 Cathodic: $\text{DSPZ} + \text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{DSPZH}_2 + 2\text{OH}^-$
 Anodic: $\text{K}_4\text{Fe}(\text{CN})_6 \rightarrow \text{K}_3\text{Fe}(\text{CN})_6 + \text{e}^-$
 CO_2 invasion: $\text{CO}_2 + \text{OH}^- \rightarrow \text{HCO}_3^-$

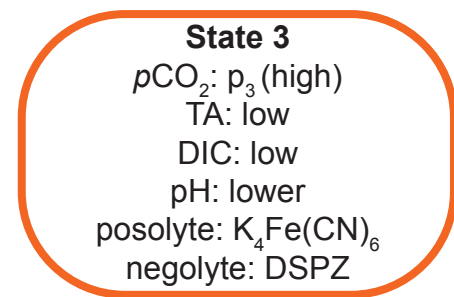


process 1-1': Switching from p_1 to p_3
Further CO_2 invasion: $\text{CO}_2 + \text{OH}^- \rightarrow \text{HCO}_3^-$

Electrochemical Rebalancing
 Cathodic: $\text{K}_3\text{Fe}(\text{CN})_6 + \text{e}^- \rightarrow \text{K}_4\text{Fe}(\text{CN})_6$
 Anodic: $2\text{OH}^- \rightarrow 1/2 \text{O}_2 + \text{H}_2\text{O} + 2\text{e}^-$
 CO_2 evolution: $\text{HCO}_3^- \rightarrow \text{CO}_2 + \text{OH}^-$



Oxygen Influence
 $1/2 \text{O}_2 + \text{DSPZH}_2 \rightarrow \text{DSPZ} + \text{H}_2\text{O}$



process 1'→3: Acidification/ CO_2 outgassing
 Cathodic: $\text{K}_3\text{Fe}(\text{CN})_6 + \text{e}^- \rightarrow \text{K}_4\text{Fe}(\text{CN})_6$
 Anodic: $\text{DSPZH}_2 + 2\text{OH}^- \rightarrow \text{DSPZ} + \text{H}_2\text{O} + 2\text{e}^-$
 CO_2 outgassing: $\text{HCO}_3^- \rightarrow \text{CO}_2 + \text{OH}^-$

