

Manganese(III)

Reaction	Brown and Ekberg, 2016
$\text{Mn}^{3+} + \text{H}_2\text{O} \rightleftharpoons \text{MnOH}^{2+} + \text{H}^+$	0.75 ± 0.18
$\text{MnOOH}(\text{s}) + 2 \text{H}^+ \rightleftharpoons \text{Mn}^{2+} + 1\frac{1}{2}\text{H}_2\text{O} + \frac{1}{4}\text{O}_2$	-0.08 ± 0.30
$\frac{1}{3} \text{Mn}_3\text{O}_4(\text{s}) + 2 \text{H}^+ + \frac{1}{3} \text{H}_2 \rightleftharpoons \text{Mn}^{2+} + 1\frac{1}{3} \text{H}_2\text{O}$	-6.6 ± 0.3

P.L. Brown and C. Ekberg, Hydrolysis of Metal Ions. Wiley, 2016, pp. 568–570.