

Appendice G

Potenziali standard di riduzione in soluzione acquosa a 25,0 °C*

Elemento	Semireazione	$E^{\circ}_{\text{red}} / \text{V}$
alluminio	$\text{Al}^{3+}(\text{aq}) + 3\text{e}^{-} \rightleftharpoons \text{Al}(\text{s})$	-1,662
	$\text{Al}(\text{OH})_4^{-}(\text{aq}) + 3\text{e}^{-} \rightleftharpoons \text{Al}(\text{s}) + 4\text{OH}^{-}(\text{aq})$	-2,328
argento	$\text{Ag}^{+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{Ag}(\text{s})$	0,7996
	$\text{Ag}_2\text{O}(\text{s}) + \text{H}_2\text{O}(\text{l}) + 2\text{e}^{-} \rightleftharpoons 2\text{Ag}(\text{s}) + 2\text{OH}^{-}(\text{aq})$	0,342
	$\text{AgCl}(\text{s}) + \text{e}^{-} \rightleftharpoons \text{Ag}(\text{s}) + \text{Cl}^{-}(\text{aq})$	0,2223
	$\text{AgBr}(\text{s}) + \text{e}^{-} \rightleftharpoons \text{Ag}(\text{s}) + \text{Br}^{-}(\text{aq})$	0,0713
	$\text{AgI}(\text{s}) + \text{e}^{-} \rightleftharpoons \text{Ag}(\text{s}) + \text{I}^{-}(\text{aq})$	-0,152
	$\text{Ag}_2\text{S}(\text{s}) + 2\text{e}^{-} \rightleftharpoons 2\text{Ag}(\text{s}) + \text{S}^{2-}(\text{aq})$	-0,691
azoto	$\text{N}_2\text{O}(\text{g}) + 2\text{H}^{+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{N}_2(\text{g}) + \text{H}_2\text{O}(\text{l})$	1,766
	$2\text{NO}(\text{aq}) + 2\text{H}^{+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{N}_2\text{O}(\text{g}) + \text{H}_2\text{O}(\text{l})$	1,591
	$\text{HNO}_2(\text{aq}) + \text{H}^{+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{NO}(\text{g}) + \text{H}_2\text{O}(\text{l})$	0,983
	$\text{NO}_3^{-}(\text{aq}) + 4\text{H}^{+}(\text{aq}) + 3\text{e}^{-} \rightleftharpoons \text{NO}(\text{g}) + 2\text{H}_2\text{O}(\text{l})$	0,957
	$\text{NO}_3^{-}(\text{aq}) + 3\text{H}^{+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{HNO}_2(\text{aq}) + \text{H}_2\text{O}(\text{l})$	0,934
	$\text{NO}_3^{-}(\text{aq}) + 2\text{H}^{+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \frac{1}{2}\text{N}_2\text{O}_4(\text{g}) + \text{H}_2\text{O}(\text{l})$	0,803
bario	$\text{Ba}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Ba}(\text{s})$	-2,912
berillio	$\text{Be}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Be}(\text{s})$	-1,847
bromo	$\text{BrO}_3^{-}(\text{aq}) + 6\text{H}^{+}(\text{aq}) + 5\text{e}^{-} \rightleftharpoons \frac{1}{2}\text{Br}_2(\text{l}) + 3\text{H}_2\text{O}(\text{l})$	1,482
	$\text{Br}_2(\text{l}) + 2\text{e}^{-} \rightleftharpoons 2\text{Br}^{-}(\text{aq})$	1,066
	$\text{BrO}^{-}(\text{aq}) + \text{H}_2\text{O}(\text{l}) + 2\text{e}^{-} \rightleftharpoons \text{Br}^{-}(\text{aq}) + 2\text{OH}^{-}(\text{aq})$	0,761
	$\text{BrO}_3^{-}(\text{aq}) + 3\text{H}_2\text{O}(\text{l}) + 6\text{e}^{-} \rightleftharpoons \text{Br}^{-}(\text{aq}) + 6\text{OH}^{-}(\text{aq})$	0,61
cadmio	$\text{Cd}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Cd}(\text{s})$	-0,403
calcio	$\text{Ca}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Ca}(\text{s})$	-2,868
	$\text{CaSO}_4(\text{s}) + 2\text{e}^{-} \rightleftharpoons \text{Ca}(\text{s}) + \text{SO}_4^{2-}(\text{aq})$	-2,936
cerio	$\text{Ce}^{4+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{Ce}^{3+}(\text{aq})$	1,72
	$\text{Ce}^{3+}(\text{aq}) + 3\text{e}^{-} \rightleftharpoons \text{Ce}(\text{s})$	-2,336
cesio	$\text{Cs}^{+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{Cs}(\text{s})$	-3,026
cloro	$\text{HClO}(\text{aq}) + \text{H}^{+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \frac{1}{2}\text{Cl}_2(\text{g}) + \text{H}_2\text{O}(\text{l})$	1,611
	$\text{ClO}_3^{-}(\text{aq}) + 6\text{H}^{+}(\text{aq}) + 5\text{e}^{-} \rightleftharpoons \frac{1}{2}\text{Cl}_2(\text{g}) + 3\text{H}_2\text{O}(\text{l})$	1,47
	$\text{Cl}_2(\text{g}) + 2\text{e}^{-} \rightleftharpoons 2\text{Cl}^{-}(\text{aq})$	1,358
	$\text{ClO}_4^{-}(\text{aq}) + 2\text{H}^{+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{ClO}_3^{-}(\text{aq}) + \text{H}_2\text{O}(\text{l})$	1,189
	$\text{ClO}^{-}(\text{aq}) + \text{H}_2\text{O}(\text{l}) + 2\text{e}^{-} \rightleftharpoons \text{Cl}^{-}(\text{aq}) + 2\text{OH}^{-}(\text{aq})$	0,81
cobalto	$\text{Co}^{3+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{Co}^{2+}(\text{aq})$	1,92
	$[\text{Co}(\text{NH}_3)_6]^{3+}(\text{aq}) + \text{e}^{-} \rightleftharpoons [\text{Co}(\text{NH}_3)_6]^{2+}(\text{aq})$	0,108
	$\text{Co}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Co}(\text{s})$	-0,28
	$\text{Co}(\text{OH})_2(\text{s}) + 2\text{e}^{-} \rightleftharpoons \text{Co}(\text{s}) + 2\text{OH}^{-}(\text{aq})$	-0,73
cromo	$\text{Cr}_2\text{O}_7^{2-}(\text{aq}) + 14\text{H}^{+}(\text{aq}) + 6\text{e}^{-} \rightleftharpoons 2\text{Cr}^{3+}(\text{aq}) + 7\text{H}_2\text{O}(\text{l})$	1,232
	$\text{CrO}_4^{2-}(\text{aq}) + 4\text{H}_2\text{O}(\text{l}) + 3\text{e}^{-} \rightleftharpoons \text{Cr}(\text{OH})_3(\text{aq}) + 5\text{OH}^{-}(\text{aq})$	-0,13
	$\text{Cr}^{3+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{Cr}^{2+}(\text{aq})$	-0,407
	$\text{Cr}^{3+}(\text{aq}) + 3\text{e}^{-} \rightleftharpoons \text{Cr}(\text{s})$	-0,744
	$\text{Cr}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Cr}(\text{s})$	-0,913

Elemento	Semireazione	$E^{\circ}_{\text{red}}/\text{V}$
ferro	$\text{Fe}^{3+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{Fe}^{2+}(\text{aq})$	0,771
	$[\text{Fe}(\text{CN})_6]^{3-}(\text{aq}) + \text{e}^{-} \rightleftharpoons [\text{Fe}(\text{CN})_6]^{4-}(\text{aq})$	0,358
	$\text{Fe}^{3+}(\text{aq}) + 3\text{e}^{-} \rightleftharpoons \text{Fe}(\text{s})$	-0,037
	$\text{Fe}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Fe}(\text{s})$	-0,447
	$\text{Fe}(\text{OH})_3(\text{s}) + \text{e}^{-} \rightleftharpoons \text{Fe}(\text{OH})_2(\text{s}) + \text{OH}^{-}(\text{aq})$	-0,56
fluoro	$\text{F}_2(\text{g}) + 2\text{e}^{-} \rightleftharpoons 2\text{F}^{-}(\text{aq})$	2,866
fosforo	$\text{H}_3\text{PO}_4(\text{aq}) + 2\text{H}^{+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{H}_3\text{PO}_3(\text{aq}) + \text{H}_2\text{O}(\text{l})$	-0,276
	$\text{H}_3\text{PO}_3(\text{aq}) + 2\text{H}^{+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{H}_3\text{PO}_2(\text{aq}) + \text{H}_2\text{O}(\text{l})$	-0,499
gadolinio	$\text{Gd}^{3+}(\text{aq}) + 3\text{e}^{-} \rightleftharpoons \text{Gd}(\text{s})$	-2,279
gallio	$\text{Ga}^{3+}(\text{aq}) + 3\text{e}^{-} \rightleftharpoons \text{Ga}(\text{s})$	-0,549
idrogeno	$\text{H}_2\text{O}_2(\text{aq}) + 2\text{H}^{+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons 2\text{H}_2\text{O}(\text{l})$	1,776
	$2\text{H}^{+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{H}_2(\text{g})$	0,0000
	$\text{H}_2\text{O}(\text{l}) + \text{e}^{-} \rightleftharpoons \frac{1}{2}\text{H}_2(\text{g}) + \text{OH}^{-}(\text{aq})$	-0,828
	$\text{H}_2(\text{g}) + 2\text{e}^{-} \rightleftharpoons \text{H}^{-}(\text{aq})$	-2,23
indio	$\text{In}(\text{OH})_3(\text{s}) + 3\text{e}^{-} \rightleftharpoons \text{In}(\text{s}) + 3\text{OH}^{-}(\text{aq})$	-0,99
iodio	$\text{IO}_3^{-}(\text{aq}) + 6\text{H}^{+}(\text{aq}) + 5\text{e}^{-} \rightleftharpoons \frac{1}{2}\text{I}_2(\text{l}) + 3\text{H}_2\text{O}(\text{l})$	1,195
	$\text{I}_2(\text{s}) + 2\text{e}^{-} \rightleftharpoons 2\text{I}^{-}(\text{aq})$	0,536
	$\text{I}_3^{-}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons 3\text{I}^{-}(\text{aq})$	0,536
lantanio	$\text{La}^{3+}(\text{aq}) + 3\text{e}^{-} \rightleftharpoons \text{La}(\text{s})$	-2,379
litio	$\text{Li}^{+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{Li}(\text{s})$	-3,040
magnesio	$\text{Mg}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Mg}(\text{s})$	-2,372
manganese	$\text{MnO}_4^{-}(\text{aq}) + 4\text{H}^{+}(\text{aq}) + 3\text{e}^{-} \rightleftharpoons \text{MnO}_2(\text{s}) + 2\text{H}_2\text{O}(\text{l})$	1,679
	$\text{Mn}^{3+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{Mn}^{2+}(\text{aq})$	1,542
	$\text{MnO}_4^{-}(\text{aq}) + 8\text{H}^{+}(\text{aq}) + 5\text{e}^{-} \rightleftharpoons \text{Mn}^{2+}(\text{aq}) + 4\text{H}_2\text{O}(\text{l})$	1,507
	$\text{MnO}_2(\text{s}) + 4\text{H}^{+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Mn}^{2+}(\text{aq}) + 2\text{H}_2\text{O}(\text{l})$	1,224
	$\text{MnO}_4^{-}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{MnO}_4^{2-}(\text{aq})$	0,558
	$2\text{MnO}_2(\text{s}) + \text{H}_2\text{O}(\text{l}) + \text{e}^{-} \rightleftharpoons \text{Mn}_2\text{O}_3(\text{s}) + 2\text{OH}^{-}(\text{aq})$	0,118
	$\text{Mn}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Mn}(\text{s})$	-1,185
	$\text{Mn}(\text{OH})_2(\text{s}) + 2\text{e}^{-} \rightleftharpoons \text{Mn}(\text{s}) + 2\text{OH}^{-}(\text{aq})$	-1,56
mercurio	$2\text{Hg}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Hg}_2^{2+}(\text{aq})$	0,920
	$\text{Hg}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Hg}(\text{l})$	0,851
	$\text{Hg}_2^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons 2\text{Hg}(\text{l})$	0,797
	$\text{Hg}_2\text{SO}_4(\text{s}) + 2\text{e}^{-} \rightleftharpoons 2\text{Hg}(\text{l}) + \text{SO}_4^{2-}(\text{aq})$	0,613
	$\text{Hg}_2\text{Cl}_2(\text{s}) + 2\text{e}^{-} \rightleftharpoons 2\text{Hg}(\text{l}) + 2\text{Cl}^{-}(\text{aq})$	0,268
	$\text{Hg}_2\text{Br}_2(\text{s}) + 2\text{e}^{-} \rightleftharpoons 2\text{Hg}(\text{l}) + 2\text{Br}^{-}(\text{aq})$	0,139
	$\text{HgO}(\text{s}) + \text{H}_2\text{O}(\text{l}) + 2\text{e}^{-} \rightleftharpoons \text{Hg}(\text{l}) + 2\text{OH}^{-}(\text{aq})$	0,0977
nichel	$\text{Ni}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Ni}(\text{s})$	-0,257
	$\text{Ni}(\text{OH})_2(\text{s}) + 2\text{e}^{-} \rightleftharpoons \text{Ni}(\text{s}) + 2\text{OH}^{-}(\text{aq})$	-0,72
oro	$\text{Au}^{+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{Au}(\text{s})$	1,692
	$\text{Au}^{3+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Au}^{+}(\text{aq})$	1,401
	$\text{AuCl}_2^{-}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{Au}(\text{s}) + 2\text{Cl}^{-}(\text{aq})$	1,154
	$\text{AuCl}_4^{-}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{AuCl}_2^{-}(\text{aq}) + 2\text{Cl}^{-}(\text{aq})$	0,926
ossigeno	$\text{O}_3(\text{g}) + 2\text{H}^{+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{O}_2(\text{g}) + \text{H}_2\text{O}(\text{l})$	2,076
	$\text{O}_3(\text{g}) + \text{H}_2\text{O}(\text{l}) + 2\text{e}^{-} \rightleftharpoons \text{O}_2(\text{g}) + 2\text{OH}^{-}(\text{aq})$	1,24
	$\text{O}_2(\text{g}) + 4\text{H}^{+}(\text{aq}) + 4\text{e}^{-} \rightleftharpoons 2\text{H}_2\text{O}(\text{l})$	1,229
	$\text{O}_2(\text{g}) + 2\text{H}^{+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{H}_2\text{O}_2(\text{l})$	0,695
	$\text{O}_2(\text{g}) + 2\text{H}_2\text{O}(\text{l}) + 4\text{e}^{-} \rightleftharpoons 4\text{OH}^{-}(\text{aq})$	0,401
palladio	$\text{Pd}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Pd}(\text{s})$	0,951
piombo	$\text{PbO}_2(\text{s}) + 4\text{H}^{+}(\text{aq}) + \text{SO}_4^{2-}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{PbSO}_4(\text{s}) + 2\text{H}_2\text{O}(\text{l})$	1,691
	$\text{PbO}_2(\text{s}) + 4\text{H}^{+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Pb}^{2+}(\text{s}) + 2\text{H}_2\text{O}(\text{l})$	1,455
	$\text{Pb}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Pb}(\text{s})$	-0,126
	$\text{PbF}_2(\text{s}) + 2\text{e}^{-} \rightleftharpoons \text{Pb}(\text{s}) + 2\text{F}^{-}(\text{aq})$	-0,344
	$\text{PbSO}_4(\text{s}) + 2\text{e}^{-} \rightleftharpoons \text{Pb}(\text{s}) + \text{SO}_4^{2-}(\text{aq})$	-0,359

Elemento	Semireazione	$E_{\text{red}}^{\circ}/\text{V}$
platino	$\text{Pt}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Pt}(\text{s})$	1,18
potassio	$\text{K}^{+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{K}(\text{s})$	-2,931
rame	$\text{Cu}^{+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{Cu}(\text{s})$	0,521
	$\text{Cu}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Cu}(\text{s})$	0,342
	$\text{Cu}^{2+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{Cu}^{+}(\text{aq})$	0,153
	$\text{Cu}(\text{OH})_2(\text{s}) + 2\text{e}^{-} \rightleftharpoons \text{Cu}(\text{s}) + 2\text{OH}^{-}(\text{aq})$	-0,222
rubidio	$\text{Rb}^{+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{Rb}(\text{s})$	-2,98
scandio	$\text{Sc}^{3+}(\text{aq}) + 3\text{e}^{-} \rightleftharpoons \text{Sc}(\text{s})$	-2,077
sodio	$\text{Na}^{+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{Na}(\text{s})$	-2,71
stagno	$\text{Sn}^{4+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Sn}^{2+}(\text{aq})$	0,151
	$\text{Sn}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Sn}(\text{s})$	-0,138
stronzio	$\text{Sr}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Sr}(\text{s})$	-2,899
tallio	$\text{Tl}^{3+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Tl}^{+}(\text{aq})$	1,252
	$\text{Tl}^{+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{Tl}(\text{s})$	-0,336
	$\text{TlCl}(\text{s}) + \text{e}^{-} \rightleftharpoons \text{Tl}(\text{s}) + \text{Cl}^{-}(\text{aq})$	-0,557
vanadio	$\text{VO}_2^{+}(\text{aq}) + 2\text{H}^{+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{VO}^{2+}(\text{aq}) + \text{H}_2\text{O}(\text{l})$	0,991
	$\text{VO}^{2+}(\text{aq}) + 2\text{H}^{+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{V}^{3+}(\text{aq}) + \text{H}_2\text{O}(\text{l})$	0,337
	$\text{V}^{3+}(\text{aq}) + \text{e}^{-} \rightleftharpoons \text{V}^{2+}(\text{aq})$	-0,255
	$\text{V}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{V}(\text{s})$	-1,175
zinco	$\text{Zn}^{2+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Zn}(\text{s})$	-0,762
	$\text{Zn}(\text{OH})_4^{2-}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{Zn}(\text{s}) + 4\text{OH}^{-}(\text{aq})$	-1,199
	$\text{Zn}(\text{OH})_2(\text{s}) + 2\text{e}^{-} \rightleftharpoons \text{Zn}(\text{s}) + 2\text{OH}^{-}(\text{aq})$	-1,249
	$\text{ZnO}(\text{s}) + \text{H}_2\text{O}(\text{l}) + 2\text{e}^{-} \rightleftharpoons \text{Zn}(\text{s}) + 2\text{OH}^{-}(\text{aq})$	-1,260
zolfo	$\text{S}_2\text{O}_8^{2-}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons 2\text{SO}_4^{2-}(\text{aq})$	2,010
	$\text{S}_2\text{O}_6^{2-}(\text{aq}) + 4\text{H}^{+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons 2\text{H}_2\text{SO}_3(\text{aq})$	0,564
	$\text{SO}_4^{2-}(\text{aq}) + 4\text{H}^{+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{H}_2\text{SO}_3(\text{aq}) + \text{H}_2\text{O}(\text{l})$	0,172
	$\text{S}_4\text{O}_6^{2-}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons 2\text{S}_2\text{O}_3^{2-}(\text{aq})$	0,08
	$2\text{SO}_4^{2-}(\text{aq}) + 4\text{H}^{+}(\text{aq}) + 2\text{e}^{-} \rightleftharpoons \text{S}_2\text{O}_6^{2-}(\text{aq}) + \text{H}_2\text{O}(\text{l})$	-0,22
	$\text{SO}_4^{2-}(\text{aq}) + \text{H}_2\text{O}(\text{l}) + 2\text{e}^{-} \rightleftharpoons \text{SO}_3^{2-}(\text{aq}) + 2\text{OH}^{-}(\text{aq})$	-0,93
	$2\text{SO}_3^{2-}(\text{aq}) + 2\text{H}_2\text{O}(\text{l}) + 2\text{e}^{-} \rightleftharpoons \text{S}_2\text{O}_4^{2-}(\text{aq}) + 4\text{OH}^{-}(\text{aq})$	-1,12

*I dati sono tratti da CRC Handbook of Chemistry and Physics, 87th ed., 2006-2007.