

Table 2 Standard reduction potentials (E°) of redox systems involved in biological electron transfer at pH 7. Adapted from Roehm *et al.*⁶²

Redox species	E° (V)	n	Redox species	E° (V)	n
Ferredoxins	-0.27--0.5	—	UQ/UQH ₂	+0.06	2
H ⁺ /H ₂	-0.42	2	UQ [•] /UQH ₂	+0.19	1
NADP ⁺ /NADPH	-0.32	2	Cytochrome c ₁ (Fe ³⁺ /Fe ²⁺)	+0.22	1
Lipoamide _{ox} /lipoamide _{red}	-0.29	2	Cytochrome c (Fe ³⁺ /Fe ²⁺)	+0.25	1
FMN/FMNH ₂ ^a	-0.20	2	Riesk [2Fe-2S] (Fe ³⁺ /Fe ²⁺)	+0.28	1
FAD/FADH ₂ ^a	-0.20	2	Cytochrome a (Fe ³⁺ /Fe ²⁺)	+0.29	1
Cytochrome b _L (Fe ³⁺ /Fe ²⁺)	-0.10	1	Cytochrome a ₃ (Fe ³⁺ /Fe ²⁺)	+0.35	1
FAD/FADH ₂ ^b	0.0--0.1	2	Cytochrome f (Fe ³⁺ /Fe ²⁺)	+0.37	1
UQ/UQH [•]	+0.03	1	O ₂ /H ₂ O	+0.82	2
Cytochrome b _H (Fe ³⁺ /Fe ²⁺)	+0.06	1			

^a Free molecule. ^b Protein-bound.

62 K. H. Roehm, *eLS*, 2001, DOI: 10.1038/npg.els.0001373.