

**Table 1.** Redox potentials of cofactors in reaction centers of green bacteria

Filamentous bacteria		Sulfur bacteria	
Cofactor	$E_m$ (mv)	Cofactor	$E_m$ (mV)
P865 (32,156,157)	+360/386/420 (pH $\approx$ 8.1)	P840 (158,159)	+240/250 (pH 6.8)
H <sub>A</sub> (BPh <i>a</i> ) (30)	-650 (pH $\approx$ 8.1)	A <sub>0</sub> (BChl 663)	-1000*
MQ <sub>A</sub> (156,157)	-50/-210 (pH $\approx$ 8.1)	A <sub>1</sub> (quinone?)	-800*
MQ <sub>B</sub> (30)	-110 (pH $\approx$ 8.1)	F <sub>X</sub> (Fe-S center)	-700*
		F <sub>A</sub> /F <sub>B</sub> (160,161)	-540/-560 (pH 9.9-10.5)

\*Approximate values for the RC of photosystem I (162).