

Supplemental Table S1: Composition of Ringers used to measure pHi

The concentrations are expressed in mM. The pHs of solution w/o bicarbonate are adjusted at 7.4 and 6.7 with NaOH, while the different pHs of Ringer KCl with KOH.

	Ringer w NaHCO₃ pHe 7.4	Ringer w NaHCO₃ pHe 6.7	Ringer w/o NaHCO₃	Ringer KCl
NaCl	120	138.5	135	20
NaHCO₃	22	3.5	/	/
KCl	4.5	4.5	3	110
CaCl₂	1	1	1.8	1
MgCl₂	1	1	/	/
MgSO₄	/	/	0.7	1
KH₂PO₄	/	/	1	/
Glucose	11	12	11	18
Hepes	/	/	20	20