

TABLE 12. *Embryos and tumor cells*

Cells	Method	Temperature, °C	Buffer	pH _e	pH _i	Comments	Ref.
Salamander eggs (<i>Triton taeniatus</i>)	el(Sb)		In gelatin	5.9 or 7.7	7.2	$V_m = -1-5$ mV (? polarity); after fertilization, pH _i = 8.5	67
Sea urchin eggs (<i>S. purpuratus</i>)	homog	17	In seawater	8.0	6.48 ± 0.01 (13)	No correction for ECF; 10 min after fertilization, pH _i = 6.76 ± 0.02 (8)	220
Sea urchin eggs (<i>L. pictus</i>)	homog	15	In seawater	7.8	6.34 ± 0.1 (41)	No correction for ECF; 10 min after fertilization, pH _i = 6.76 ± 0.16 (5)	262
	el(T)	17-19	In seawater	8.1	6.84 ± 0.02 (44)	$V_m = -10.5$; 5-6 min after fertilization, pH _i = 7.26 ± 0.06 (8)	397
Frog embryo (<i>Xenopus</i>)	el(T)		2 mM Tris	7.5	7.7	$V_m = -8$ to -40 ; 4-cell stage to midblastula	440
Ehrlich ascites cells	³¹ P NMR	20?		6.36	6.82	Either from P _i or from phosphorylcholine peak	307
	Spectr	20	50 mM HEPES	7.4	7.4		428
	DMO	20	50 mM HEPES	7.45	7.45		

Numbers in parentheses are number of studies. ECF, extracellular fluid; el(Sb), antimony electrode; el(T), Thomas style electrode; homog, pH measured on homogenates; Spectr, spectrophotometric method with β -carboxyfluorescein.