

TABLE 11b
 APPARENT ACTIVATION ENERGIES (kcal mol⁻¹) OF CHLORIDE EXCHANGE
 IN RED CELLS AT 0-38°C

[Cl] _o (mM)	Erythrocytes		Ghosts		NH ₄ Cl-loaded erythrocytes
	150	165	320	600	150-350
0-15°C	30.2±0.6 (0.999)	28.1±1.6 (0.997)	30.6±0.9 (0.999)	31.2±0.9 (0.999)	31.6*
15-38°C	19.7±0.5 (0.999)	19.8±0.9 (0.997)	18.3±0.7 (0.998)	19.4±0.4 (0.999)	19.0*
0-38°C	23.5±1.3 (0.993)	22.8±1.0 (0.994)	23.6±1.6 (0.989)	23.7±1.4 (0.992)	24.6±1.8 (0.995)

The activation energies were calculated according to Eq. (3) and (4) (see Materials, Methods, and Calculations). The correlation coefficients are stated in brackets.

* Indicates that Eq. (4) was used.

7.6	141-141	141
8.0	125-132	129
9.0	107-123	115
10.0	77-87	82

The rate of ³⁶Cl efflux was measured by means of the flow-tube technique. The increase of flux with increasing pH from 5.6 to 7.0 at 38°C is similar in both ghosts and erythrocytes. The steep decrease of chloride flux in erythrocytes at pH values above 7.2 (viz. Fig. 5) contrasts with a gradual decrease of 50% over 3 pH units in ghosts.