

TABLE I
 pH DEPENDENCE OF CHLORIDE SELF-EXCHANGE IN
 GHOSTS AT 38°C
 ($[Cl]_i = [Cl]_o = 165 \text{ mM}$)

pH	Chloride flux	
	Experimental values	Mean
	<i>mol (3.1 · 10¹³ cells · min)⁻¹</i>	
5.6	7.2-7.5	7.4
6.0	71-74	73
6.5	91-108	100
7.0	145-151	148
7.2	144	144
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.