

TABLE I I a
**HALF-TIMES ($T_{\frac{1}{2}}$, s) AND CHLORIDE TRANSPORT (M , mol · [3.1 · 10¹³ cells · min]⁻¹)
 IN HUMAN ERYTHROCYTES AND THEIR GHOSTS AT 0-38°C (pH 7.2)**

| [Cl] _o (mM) | | Erythrocytes | | Ghosts | | NH ₄ Cl-loaded erythrocytes |
|------------------------|----------------|--------------|--------|--------|--------|--|
| | | 150 | 165 | 320 | 600 | 150-350 |
| °C | | | | | | |
| 0 | T _½ | 17.2 | 26.7 | 63.0 | 103.6 | 27.7 |
| | M | 0.75 | 0.77 | 0.52 | 0.44 | 0.49 |
| 5 | T _½ | 6.52 | 9.23 | 20.3 | 33.6 | — |
| | M | 1.71 | 2.21 | 1.62 | 1.36 | — |
| 10 | T _½ | 2.32 | 3.63 | 8.13 | 12.6 | 3.30 |
| | M | 4.93 | 5.63 | 4.03 | 3.63 | 3.81 |
| 15 | T _½ | 0.89 | 1.87 | 3.29 | 5.20 | — |
| | M | 11.6 | 11.0 | 9.97 | 8.82 | — |
| 20 | T _½ | 0.454 | 1.04 | 1.88 | 2.87 | — |
| | M | 23.8 | 19.7 | 17.5 | 16.0 | — |
| 25 | T _½ | 0.230 | 0.523 | 0.968 | 1.58 | 0.636 |
| | M | 39.2 | 39.1 | 33.9 | 28.9 | 33.2 |
| 30 | T _½ | 0.098* | 0.293 | — | 0.551‡ | — |
| | M | 83.3 | 69.7 | — | 83.2 | — |
| 38 | T _½ | 0.052 | 0.162§ | 0.324§ | 0.469§ | 0.221 |
| | M | 149.5 | 126.4 | 101.3 | 97.8 | 126.3 |

The half-times and the chloride transport between 0°C and 38°C in: (a) erythrocytes washed in medium A having a constant extracellular chloride concentration of 150 mM; (b) ghosts prepared with three cellular KCl concentrations; and (c) erythrocytes washed in medium B with NH₄Cl concentrations that gave maximal fluxes at the temperatures concerned. *, ‡, and § denote that the experiments were performed at 32°C, 35°C, and 37.5°C, respectively.