

TABLE III
Urea Permeability During Self-Exchange and Net Efflux in Human Red Cells
(25°C, pH 7.2)

Type of experiment	Initial urea concentration of cells	Initial urea concentration of medium	Permeability	
	<i>mM</i>	<i>mM</i>	$P \times 10^4$	Range
				<i>cm s⁻¹</i>
Exchange	1	1	2.67	2.63-2.70
Net efflux	1	0	2.70	2.69-2.70
Exchange	100	100	1.82	1.81-1.82
Net efflux*	100	0	2.56	2.50-2.62
Net efflux	100	0	2.55	2.50-2.61
Exchange	500	500	0.95	0.93-0.97
Net efflux*	500	0	2.91	2.88-2.94
Net efflux	500	0	2.43	2.27-2.59

The asterisk denotes that the net flux experiments were performed in efflux media in which urea has been replaced by sucrose. The permeability coefficients are average values of two to four experiments.