

**TABLE I**  
*Urea Permeability of Human Red Cells from Different Donors*

Donor	Rate coefficient of urea self- exchange	Cellular solvent volume/cell membrane area	Permeability coefficient
	$k$ ( $s^{-1}$ )	$VA^{-1} \times 10^5$ (cm)	$P \times 10^4$ (cm $s^{-1}$ )
J.B.	6.28 ( $\pm 0.12$ )	4.25	2.67
J.J.H.	8.70 ( $\pm 0.33$ )	4.16	3.62
S.L.	8.77 ( $\pm 0.58$ )	4.52	3.97
N.P.	9.04 ( $\pm 0.11$ )	4.46	4.03
O.S.A.	9.96 ( $\pm 0.32$ )	4.58	4.56
E.H.	10.65 ( $\pm 0.41$ )	4.73	5.04
P.B.N.	11.50 ( $\pm 0.07$ )	4.50	5.17
G.O.	11.90 ( $\pm 0.21$ )	4.58	5.45
J.S.	12.95 ( $\pm 0.58$ )	4.54	5.88

The experiments were performed at 25°C, pH 7.2, and 1 mM urea. The permeability coefficients in the table are average values of two to four self-exchange experiments carried out with the continuous flow tube technique. Standard deviations of the rate coefficients are in parentheses.