

TABLE II

KINETIC PARAMETERS OF D-GLUCOSE TRANSPORT IN GHOSTS AND IN INTACT CELLS

Each set of parameters for ghosts represents a single determination in experiments similar to those represented in Fig. 4.

Φ_{max} ($\mu\text{moles} \cdot \text{cm}^{-3} \cdot \text{sec}^{-1}$)	K_m (mM)	Experimental conditions	Experimental methods	Ref.
<i>Ghosts</i>				
5.5	10.8	24°, pH 7.4	Tracer equilibration	
6.4	18.8	24°, pH 7.4	Tracer equilibration	
6.6	22.5	24°, pH 7.4	Tracer equilibration	
7.1	20.2	24°, pH 7.4	Tracer equilibration	
6.6	25.1	24°, pH 7.4	Tracer equilibration	
<i>Intact cells</i>				
5	1	20°, pH 7.4	Tracer and chemical equilibration	15
2.17	2.75	25°, pH 7.4	Densitometry*	16
1.7	1.01	20°, pH 7.4	Densitometry*	16
3.3	—	22.5°, pH 7.4	Tracer equilibration	10
2.75	3-5	25°, pH 7.4	Densitometry*	17
1.73	1.8	20°, pH 7.4	Densitometry*	18
4.33	38	20°, pH 7.4	Tracer equilibration	19

* Densitometry measures net flux in the presence of a chemical concentration gradient.

10 H. G. BRITTON, *J. Physiol. London*, 170 (1964) 1.

15 P. G. LEFEVRE AND G. F. MCGINNISS, *J. Gen. Physiol.*, 44 (1960) 87.

16 A. K. SEN AND W. F. WIDDAS, *J. Physiol. London*, 160 (1962) 392.

17 M. LEVINE AND W. D. STEIN, *Biochim. Biophys. Acta*, 127 (1966) 179.

18 D. M. MILLER, *Biophys. J.*, 8 (1968) 1339.

19 D. M. MILLER, *Biophys. J.*, 8 (1968) 1329.