

Table 18.1. Kinetic parameters in the gastric mucosa in experimental animals

Reference	I_S (%)	I_M (%)	k_B (cells/1000 cells/h)	I_P	T_C (h)	t_S (h)	t_{G1} (h)	t_{G2} (h)	T (d)	T_t (d)
Rat										
Stevens and Leblond (1953)			14.7						7	
Messier (1960)										3†
Creamer <i>et al.</i> (1961)										1†
Wegener <i>et al.</i> (1971)										
antrum	16.5					5.5			4.2	
fundus	5.6					5.9			1.5	
Wright (1975)										
fundus (isthmus-pit)	6.6	1.1		0.29	32.3	7.4	23.1	1.75	112(h)	
mucous neck cells	4.5	0.9			200*	10	188	1.5		
Mouse	*									
Kovacs and Potten (1973)	6.9				0.19	26.3*				
Hamster										
Kaku (1966)									1	
antrum	30									
fundus	25					32			2-3	
Hattori and Fujita (1976)						30				
antrum									2-3†	14‡
fundus									2-3†	200‡
Dog										
Willems <i>et al.</i> (1971, 1972)										
fasted	4.5								9.8	
fed	15									2.7
										8
										3-4†
										4-6†

* Stage-duration calculation.

† Transit time to surface (minimum).

‡ Transit time to fundus (mean).