

Table 16.1. Kinetic parameters in the small intestinal mucosa of newborn mice from day 1 to 21 days after birth. (CCPR = crypt cell production rate; C:V ratio = crypt:villus ratio; T = crypt turnover time.)

Day	CCPR/h	C:V ratio	Influx/ villus cells (h)	Crypt popu- lation (cells)	Villus population (cells)	T (h)	Transit time (h)
1	0.64 ± 0.11	2.06 ± 0.30	1.3	53.5 ± 7.5	525 ± 50	100	403
2	0.71 ± 0.28	2.9 ± 0.20	2.05	57 ± 11.2	551 ± 47	100	275
3	0.43 ± 0.10	3.9 ± 0.20	1.68	48.4 ± 8	659 ± 61	100	392
4	0.73 ± 0.10	3.92 ± 0.40	2.86	48 ± 9.2	690 ± 33	50	241
5	1.36 ± 0.29	3.38 ± 0.50	4.60	44 ± 6.7	774 ± 34	33	168
6	1.06 ± 0.45	4.39 ± 0.80	4.65	42 ± 7.8	762 ± 44	33	163
7	1.23 ± 0.20	3.86 ± 0.90	4.75	45 ± 4.2	775 ± 51	33	163
8	1.3 ± 0.47	3.98 ± 0.60	5.17	50 ± 6.2	792 ± 60	33	153
9	1.79 ± 0.10	4.0 ± 0.30	7.16	48 ± 5.4	804 ± 40	25	112
10	0.9 ± 0.09	3.70 ± 0.40	3.33	40 ± 3.4	677 ± 31	50	203
11	2.95 ± 0.29	3.44 ± 0.20	10.15	63 ± 6.1	820 ± 30	20	80
12	2.68 ± 0.83	4.34 ± 0.40	11.63	65.8 ± 7.1	890 ± 35	25	76
13	2.00 ± 0.80	3.29 ± 0.30	6.52	79.4 ± 8.3	917 ± 44	33	140
14	2.46 ± 0.50	4.9 ± 0.30	12.05	59.5 ± 6	851 ± 83	25	70
15	4.29 ± 0.80	4.78 ± 0.50	20.5	98.7 ± 7	967 ± 51	25	59
16	5.26 ± 0.50	4.3 ± 0.09	23.1	98.7 ± 12	1221 ± 63	20	70
17	3.87 ± 1.1	4.82 ± 0.08	18.65	79.2 ± 13	1099 ± 71	20	58
18	4.2 ± 0.6	4.65 ± 0.10	19.53	74.5 ± 7	958 ± 33	16	49
19	5.13 ± 0.80	4.02 ± 0.10	20.62	80 ± 12	973 ± 55	16	47
20	3.93 ± 1.2	5.4 ± 0.20	21.2	85 ± 11	1101 ± 60	20	51
21	7.03 ± 0.26	5.53 ± 0.1	38.8	84 ± 13	977 ± 63	12	25