

**Table 2.** Enterocyte turnover in the small intestine of the mouse.

| Segment  | Turnover (days) | SD   | N  | Additional information | Method                      | References                 |
|----------|-----------------|------|----|------------------------|-----------------------------|----------------------------|
| Stomach  | 2.60            | NA   | NA |                        | H-Thymidine, <i>in vivo</i> | Karam Leblond 1993         |
| Stomach  | 2.98            | NA   | 4  |                        | H-Thymidine, <i>in vivo</i> | Lee 1985                   |
| Stomach  | 3.11            | NA   | 14 |                        | H-Thymidine, <i>in vivo</i> | Karam Leblond 1993b        |
| Duodenum | 2.81            | 0.23 | 16 | High-carbohydrate diet | H-Thymidine, <i>in vivo</i> | (Ferraris et al., 1992)    |
| Duodenum | 3.09            | 0.31 | 16 | Low-carbohydrate diet  | H-Thymidine, <i>in vivo</i> | (Ferraris et al., 1992)    |
| Duodenum | 2.43            | 0.13 | NA |                        | H-Thymidine, <i>in vivo</i> | (Cheng and Bjerknes, 1982) |
| Duodenum | 2.35            | 0.56 | 5  |                        | H-Thymidine, <i>in vivo</i> | (Merzel and Leblond, 1969) |
| Duodenum | 3.3             | NA   | 8  |                        | H-Thymidine, <i>in vivo</i> | (Cheng and Leblond, 1974)  |
| Duodenum | 2               | NA   | 1  |                        | H-Thymidine, <i>in vivo</i> | (Walker and Leblond, 1958) |
| Duodenum | 2.08            | NA   | 6  |                        | H-Thymidine, <i>in vivo</i> | (Grey, 1968)               |
| Duodenum | 1.71            | NA   | 20 | Age: 93 days           | H-Thymidine, <i>in vivo</i> | (Leshner et al., 1961)     |
| Duodenum | 2               | NA   | 20 | Age: 372 days          | H-Thymidine, <i>in vivo</i> | (Leshner et al., 1961)     |
| Duodenum | 2.21            | NA   | 20 | Age: 940 days          | H-Thymidine, <i>in vivo</i> | (Leshner et al., 1961)     |
| Jejunum  | 3.17            | 0.33 | 16 | High-carbohydrate diet | H-Thymidine, <i>in vivo</i> | (Ferraris et al., 1992)    |
| Jejunum  | 2.85            | 0.31 | 16 | Low-carbohydrate diet  | H-Thymidine, <i>in vivo</i> | (Ferraris et al., 1992)    |

|         |      |      |    |                        |                             |                              |
|---------|------|------|----|------------------------|-----------------------------|------------------------------|
| Jejunum | 2.59 | 0.18 | NA |                        | H-Thymidine, <i>in vivo</i> | (Cheng and Bjerknes, 1982)   |
| Jejunum | 3.4  | NA   | 8  |                        | H-Thymidine, <i>in vivo</i> | (Cheng and Leblond, 1974)    |
| Jejunum | 4    | NA   | 20 |                        | H-Thymidine, <i>in vivo</i> | (Thompson et al., 1990)      |
| Jejunum | 1.83 | NA   | 34 | Age: 93 days           | H-Thymidine, <i>in vivo</i> | (Fry et al., 1961)           |
| Jejunum | 2.17 | NA   | 34 | Age: 372 days          | H-Thymidine, <i>in vivo</i> | (Fry et al., 1961)           |
| Jejunum | 2.21 | NA   | 52 | Age: 940 days          | H-Thymidine, <i>in vivo</i> | (Fry et al., 1961)           |
| Ileum   | 2.6  | 0.38 | 16 | High-carbohydrate diet | H-Thymidine, <i>in vivo</i> | (Ferraris et al., 1992)      |
| Ileum   | 2.56 | 0.35 | 16 | Low-carbohydrate diet  | H-Thymidine, <i>in vivo</i> | (Ferraris et al., 1992)      |
| Ileum   | 2.43 | 0.12 | NA |                        | H-Thymidine, <i>in vivo</i> | (Cheng and Bjerknes, 1982)   |
| Ileum   | 2    | NA   | NA |                        | H-Thymidine, <i>in vivo</i> | (Quastler and Sherman, 1959) |
| Ileum   | 1.29 | NA   | 10 | Age: 93 days           | H-Thymidine, <i>in vivo</i> | (Fry et al., 1962)           |
| Ileum   | 1.38 | NA   | 8  | Age: 372 days          | H-Thymidine, <i>in vivo</i> | (Fry et al., 1962)           |
| Ileum   | 1.29 | NA   | 10 | Age: 940 days          | H-Thymidine, <i>in vivo</i> | (Fry et al., 1962)           |
| Ileum   | 1.00 | NA   | 23 |                        | H-Thymidine, <i>in vivo</i> | Creamer 1961                 |
| Colon   | 2.51 | 1.61 | 5  |                        | H-Thymidine, <i>in vivo</i> | Cheng and Bjerknes 1983      |
| Colon   | 2.17 | NA   | 5  |                        | Histological examination    | Aluwihare 1971               |
| Colon   | 4.85 | 0.94 | 4  |                        | H-Thymidine, <i>in vivo</i> | Tsubouchi 1981               |
| Colon   | 2.42 | 0.11 | NA |                        | H-Thymidine, <i>in vivo</i> | Cheng and Bjerknes 1982      |
| Colon   | 3.79 | NA   | 8  |                        | H-Thymidine, <i>in vivo</i> | Chang Leblond 1971           |

|                      |      |      |    |                   |                             |                             |
|----------------------|------|------|----|-------------------|-----------------------------|-----------------------------|
| Colon                | 4.96 | 1.24 | 18 | Flat mucosa       | Colchine, <i>in vivo</i>    | Baril 1982                  |
| Colon                | 3.11 | 0.65 | 18 | Mucosal fold tops | Colchine, <i>in vivo</i>    | Baril 1982                  |
| Colon                | 0.67 | NA   | 35 |                   | H-Thymidine, <i>in vivo</i> | Lipkin and Quastler 1962    |
| Colon                | 0.65 | NA   | 36 |                   | H-Thymidine, <i>in vivo</i> | De Rodriguez 1979           |
| Colon                | 0.79 | NA   | 25 |                   | H-Thymidine, <i>in vivo</i> | Thrasher 1967               |
| Colon                | 1.06 | NA   | 20 |                   | H-Thymidine, <i>in vivo</i> | Richards 1977               |
| Colon                | 0.97 | NA   | 16 |                   | H-Thymidine, <i>in vivo</i> | Chang Nadler 1975           |
| Colon                | 0.97 | NA   | 22 |                   | H-Thymidine, <i>in vivo</i> | Kovacs and Potten 1973      |
| Colon                | 0.79 | NA   | 4  |                   | H-Thymidine, <i>in vivo</i> | Potten 1974                 |
| Colon                | 0.67 | NA   | 12 |                   | H-Thymidine, <i>in vivo</i> | Bottomley 1973              |
| Colon                | 0.90 | 0.22 | 7  |                   | H-Thymidine, <i>in vivo</i> | Novaacki 1993               |
| Jejunum and ileum    | 3    | NA   | NA |                   | H-Thymidine, <i>in vivo</i> | (Leblond and Messier, 1958) |
| Duodenum and jejunum | 2-3  | NA   | 23 |                   | H-Thymidine, <i>in vivo</i> | Creamer 1961                |
| NA                   | 2.67 | NA   | 7  |                   | H-Thymidine, <i>in vivo</i> | (Smith et al., 1984)        |

NA=Not applicable.