

Table 29.1. Phase durations (h) and proliferative indices in the prepubertal male rat adrenal cortex

Compartment	t_S	t_{G2}	t_M	Prophase	Metaphase	Anaphase	Telophase	t_{G1}	T_C	t_2	I_S (%)	I_M (%)
Glomerular	7.4 (6.4) ^h	1.1	1.2	0.24 (0.20) ^a	0.77 (0.63)	0.06 (0.05)	0.13 (0.11)	70 ^b 64 ^c 77 ^d	80 ^b 74 ^c 87 ^d 47 ^h	1.76	6.73 ± 0.27 ^e 4.42 ^f 5.14 ^g	0.52 ± 0.05 ^e
Proliferative	7.7 (7.0) ^h	1.3	1.3	0.41 (0.32) ^a	0.63 (0.50)	0.09 (0.07)	0.14 (0.11)	70 ^b 67 ^c	80 ^b 77 ^c 73 ^h	1.93	7.09 ± 0.50 ^a	0.58 ± 0.07 ^e
Fascicular	8.6 (7.0) ^h	1.4	1.4	0.43 (0.31) ^a	0.77 (0.56)	0.04 (0.03)	0.12 (0.09)	179 ^b 75 ^c	190 ^b 86 ^c 107 ^h	2.10	3.17 ± 0.30 ^e *(3.8 ^f) 2.3 ^f *(1.66 ^g) 0.62 ^g	0.26 ± 0.05 ^e
Reticular	9.2 (5.8) ^h	1.5	2.1	0.36 (0.17) ^a	1.38 (0.65)	0.08 (0.04)	0.28 (0.13)	547 ^b 79 ^c	560 ^b 92 ^c 77 ^h	2.56	1.15 ± 0.15 ^e 0.55 ^f 0.23 ^g	0.12 ± 0.02 ^e

^a The figures in parentheses indicate the fraction of mitosis occupied by each phase.

^b This is a $T_{C(a)}$ value calculated from $I_S = \{\exp(t_S \ln 2 / T_C) - 1\} / \{\exp(t_2 \ln 2 / T_C) - 1\}$.

^c This is a T_C value calculated from t_S / T_C at the end of the experiment, assuming randomisation in the cycle.

^d This is the T_C value calculated from the continuous labelling data.

^e These indices are as measured in the kinetic compartments.

^f As measured from the bands, five cells in thickness across the cortex.

^g As measured from bands, three cells in thickness across the cortex.

^h From the Gilbert (1972) computer analysis of the FLM curves.

* The figures in parentheses are proliferative indices for the z. fasciculata.