

TABLE III
Number and Dimensions of Mitochondria and Peroxisomes (Microbodies)

	All peripheral cells	P-1	P-2	P-3,4	All midzonal cells	C-3,4	C-2	C-1	All central cells
Number particles counted									
Mitochondria	4014	1476	1153	1385	4889	1590	2164	2622	6376
Peroxisomes	506	185	160	161	634	169	300	415	884
Lysosomes	160	60	51	49	264	67	135	116	318
Mitochondrial dimensions									
Average diameter (μ)	0.562	0.586	0.547	0.554	0.471	0.402	0.314	0.278	0.323
(Standard error)	(0.017)	(0.028)	(0.034)	(0.023)	(0.024)	(0.020)	(0.013)	(0.010)	(0.012)
Average length (μ)	3.85	3.02	4.68	4.01	4.32	3.05	5.81	9.27	5.04
(Standard error)	(0.67)	(1.33)	(1.34)	(0.48)	(0.40)	(0.69)	(3.08)	(2.01)	(1.38)
Average volume (μ^3)	0.954	0.814	1.10	0.967	0.752	0.387	0.448	0.563	0.411
(Standard error)	(0.158)	(0.326)	(0.31)	(0.096)	(0.112)	(0.070)	(0.226)	(0.113)	(0.092)
Average number/100 μ^2 cytoplasm	20.8	22.9	18.1	21.8	25.4	39.3	29.0	21.3	31.4
(Standard error)	(2.6)	(5.3)	(2.8)	(3.5)	(5.0)	(9.3)	(9.7)	(3.2)	(4.4)
Peroxisome dimensions									
Average diameter (μ)	0.676	0.652	0.723	0.626	0.603	0.654	0.603	0.626	0.633
(Standard error)	(0.025)	(0.040)	(0.029)	(0.051)	(0.022)	(0.019)	(0.030)	(0.026)	(0.016)
Average volume (μ^3)	0.162	0.145	0.198	0.128	0.114	0.147	0.115	0.129	0.133
(Standard error)	(0.021)	(0.040)	(0.023)	(0.034)	(0.012)	(0.012)	(0.019)	(0.019)	(0.011)
Average number/100 μ^2 cytoplasm	8.7	9.0	8.1	9.4	12.2	10.2	16.6	18.7	15.8
(Standard error)	(0.8)	(1.1)	(1.5)	(1.4)	(1.7)	(1.8)	(2.0)	(2.9)	(1.5)