

Figure 13-a. Tissue distribution of radioactivity after a single oral administration of Benzyl butyl phthalate [ring-¹⁴C(U)] to pregnant rat on the 12 th day of gestation

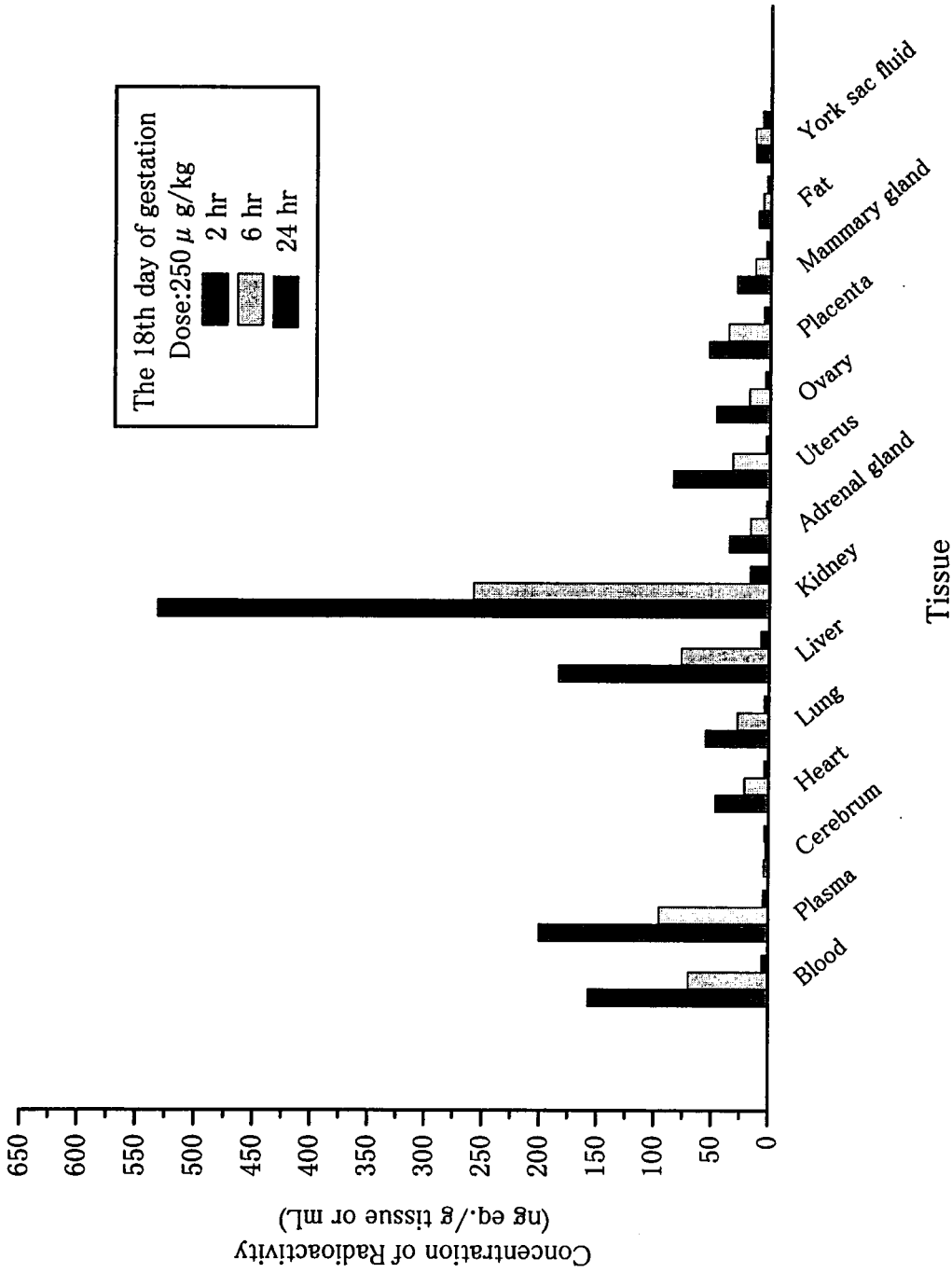


Figure 13-b. Tissue distribution of radioactivity after a single oral administration of Benzyl butyl phthalate [ring- 14 C(U)] to pregnant rat on the 18th day of gestation

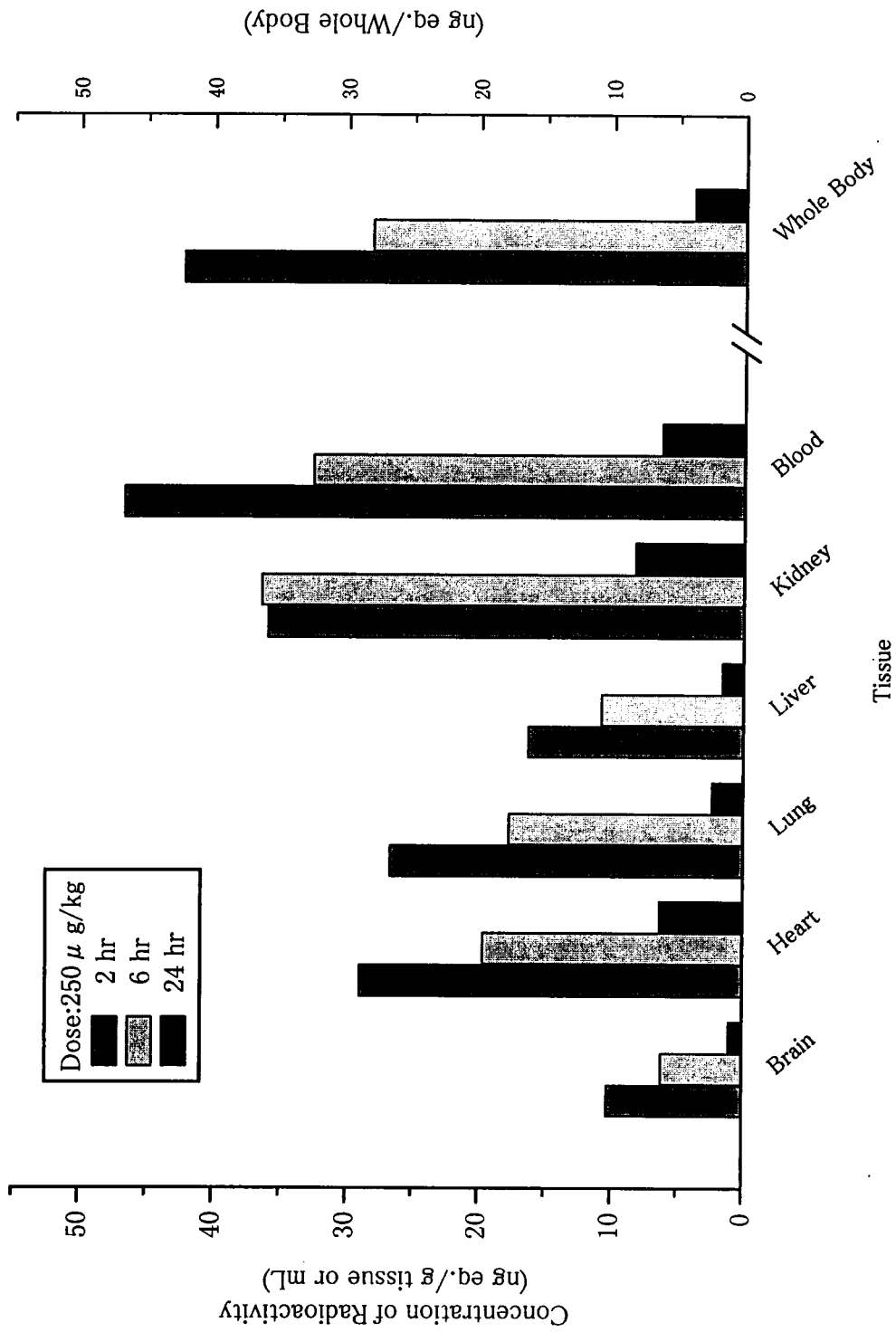


Figure 13-c. Fetal tissue distribution and fetal whole body concentration of radioactivity after a single oral administration of Benzyl butyl phthalate [ring-¹⁴C(U)] to pregnant rat on the 18th day of gestation

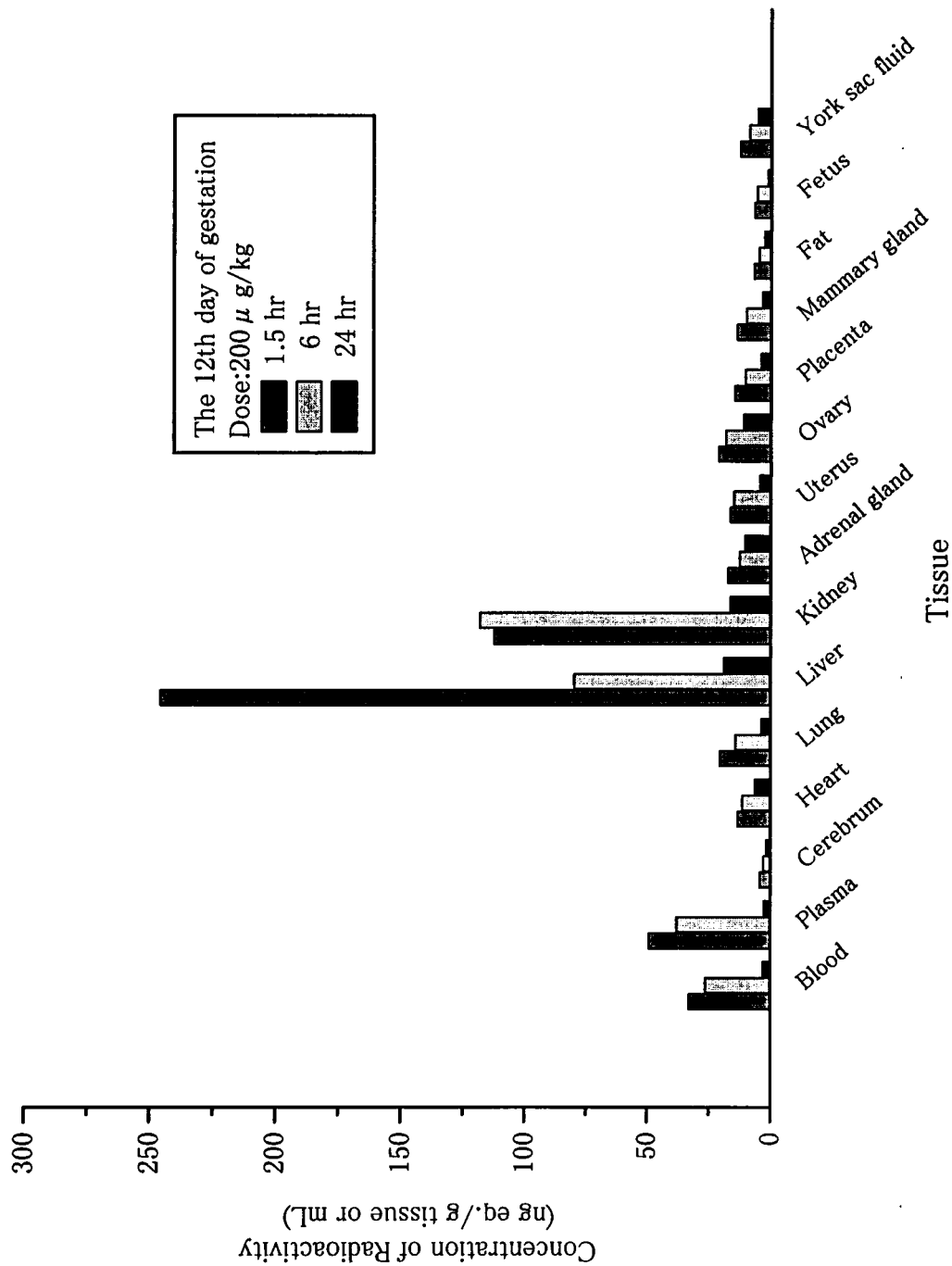


Figure 14-a. Tissue distribution of radioactivity after a single oral administration of 4-Nonylphenol [ring-¹⁴C(U)] to pregnant rat on the 12 th day of gestation

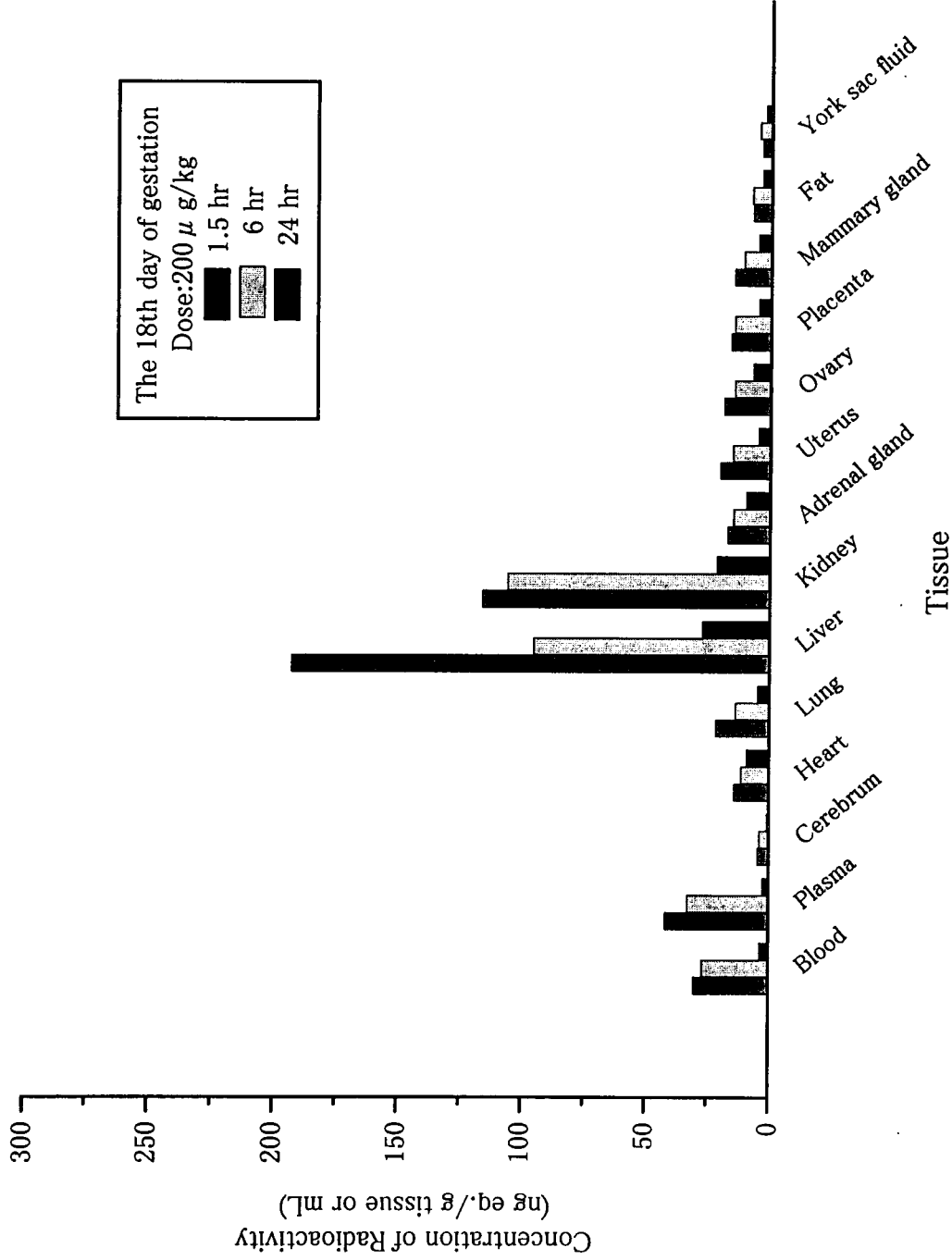


Figure 14-b. Tissue distribution of radioactivity after a single oral administration of 4-Nonylphenol [ring- 14 C(U)] to pregnant rat on the 18 th day of gestation

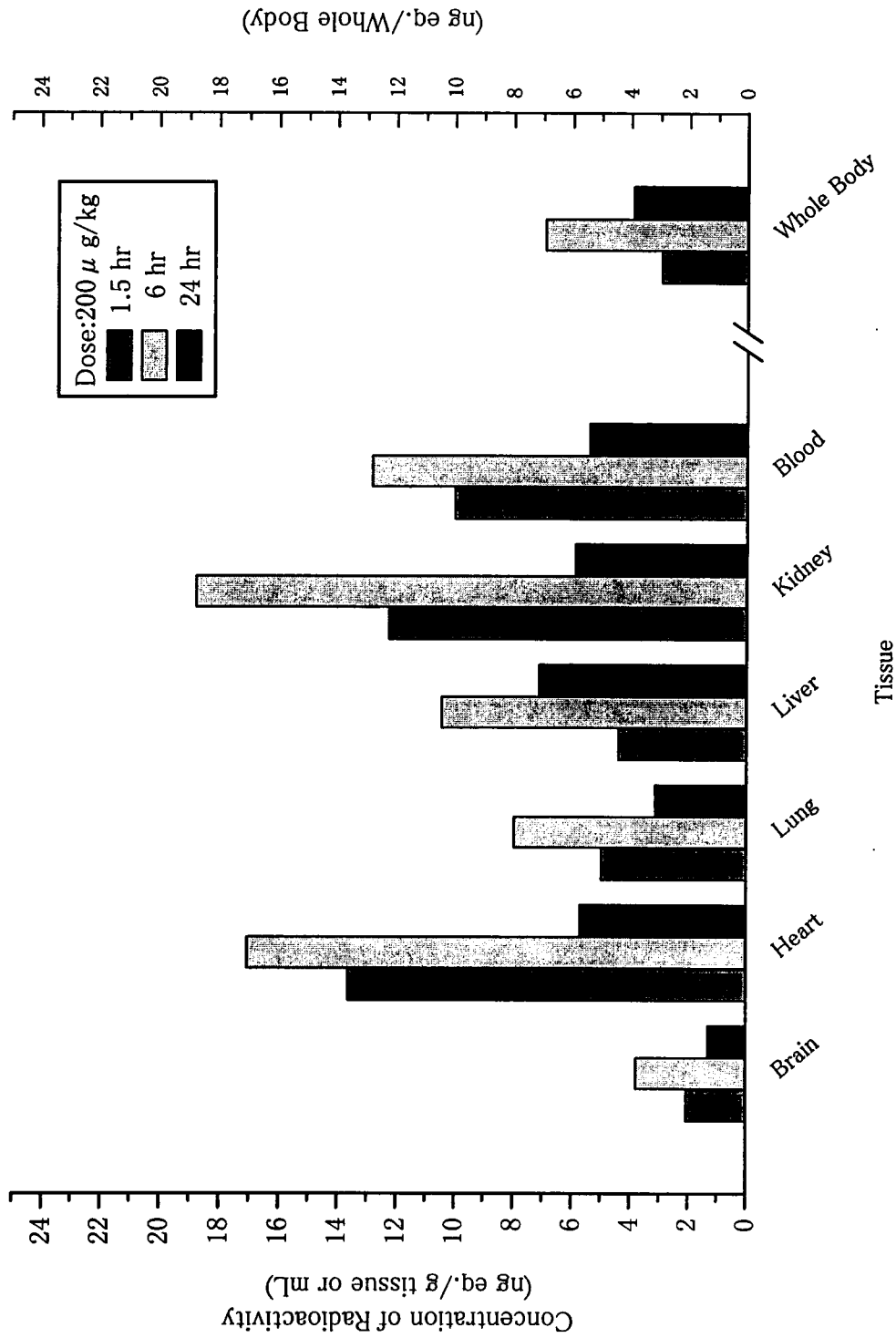


Figure 14-c. Fetal tissue distribution and fetal whole body concentration of radioactivity after a single oral administration of 4-Nonylphenol [ring-¹⁴C(U)] to pregnant rat on the 18th day of gestation

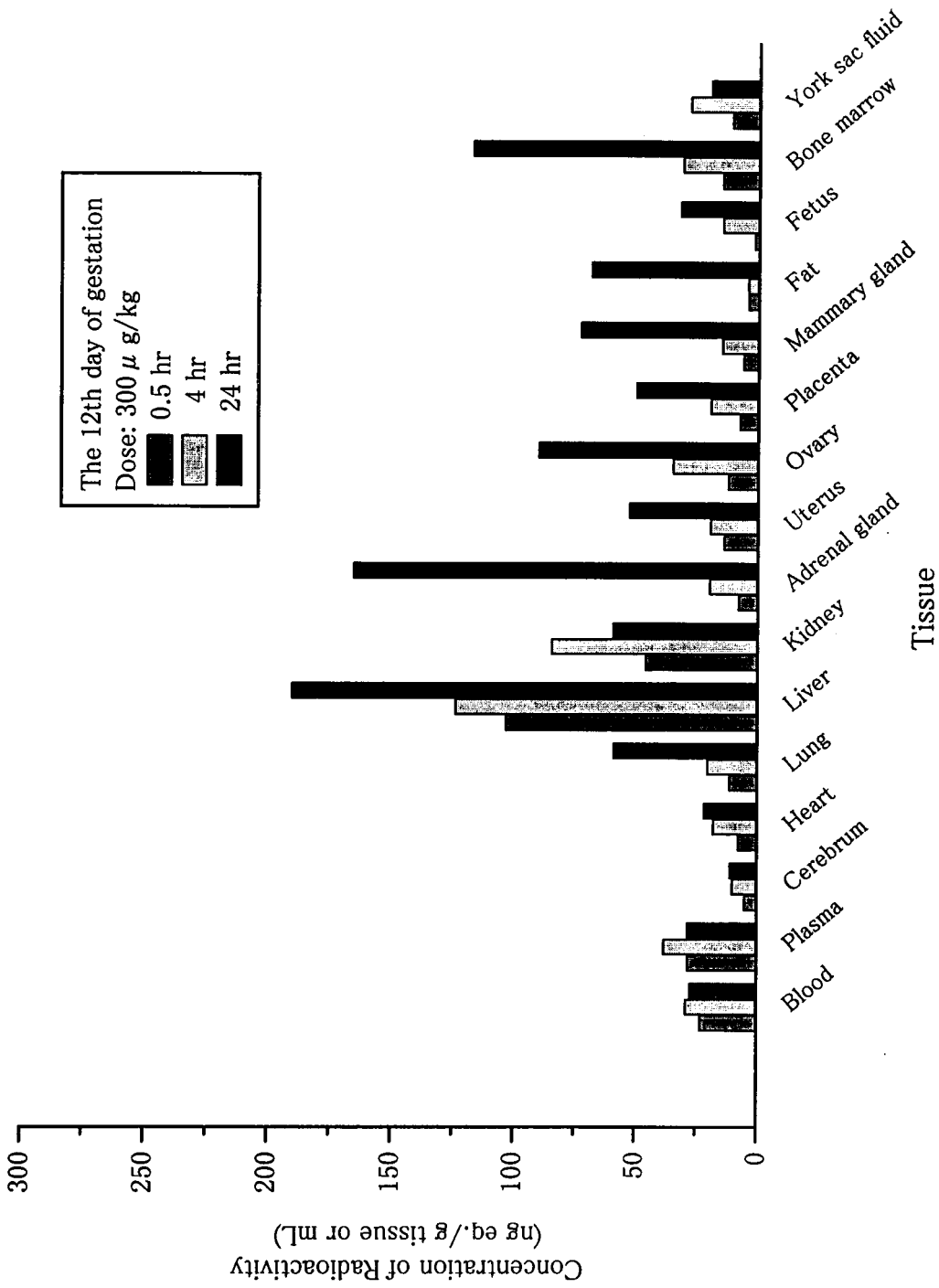


Figure 15-a. Tissue distribution of radioactivity after a single oral administration of Genistein [dihydroxyphenyl- 14 C] to pregnant rat on the 12th day of gestation

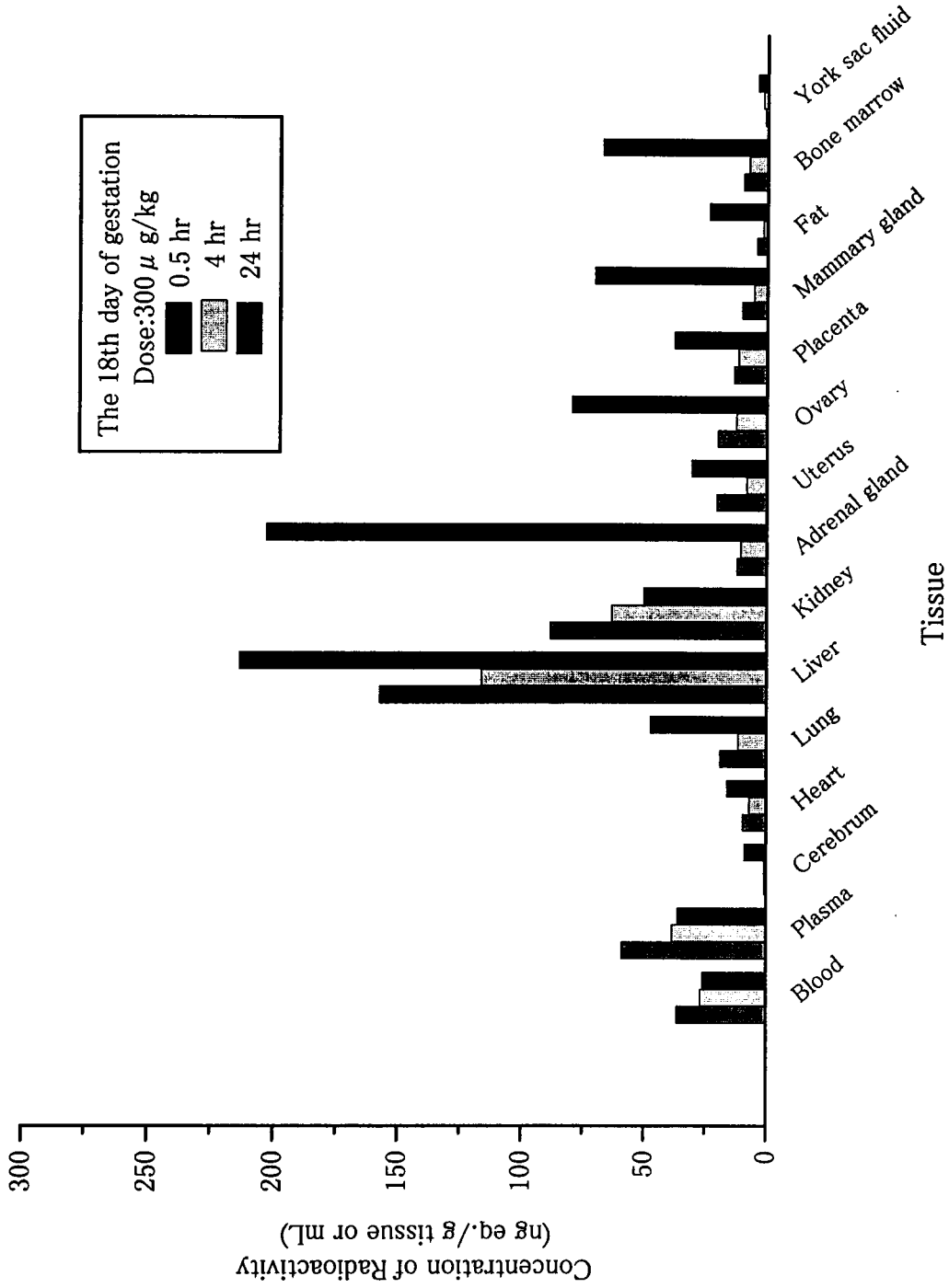
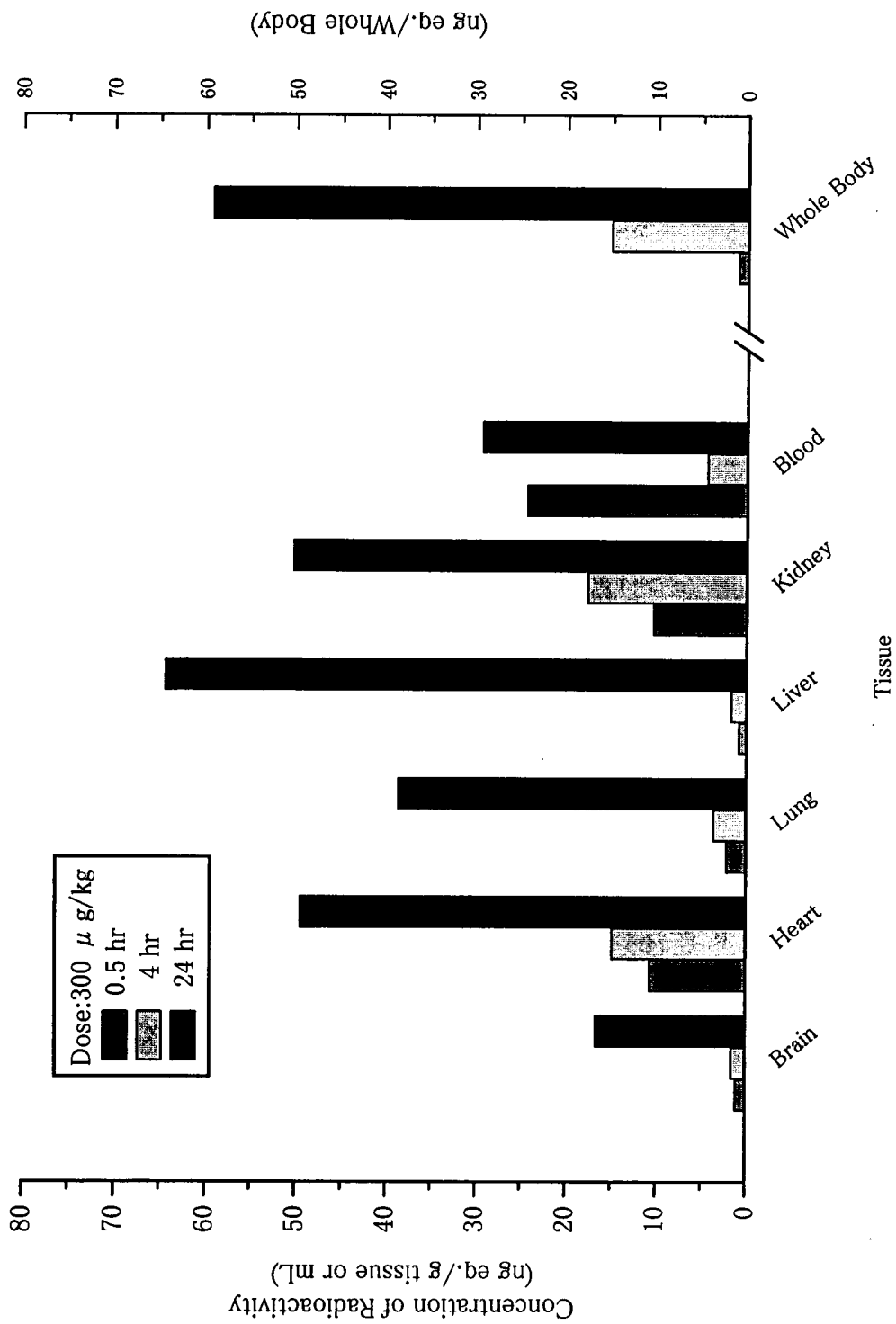


Figure 15-b. Tissue distribution of radioactivity after a single oral administration of Genistein [dihydroxyphenyl-¹⁴C] to pregnant rat on the 18 th day of gestation



Figur 15-c. Fetal tissue distribution and fetal whole body concentration of radioactivity after a single oral administration of Genistein [dihydroxyphenyl-¹⁴C] to pregnant rat on the 18 th day of gestation

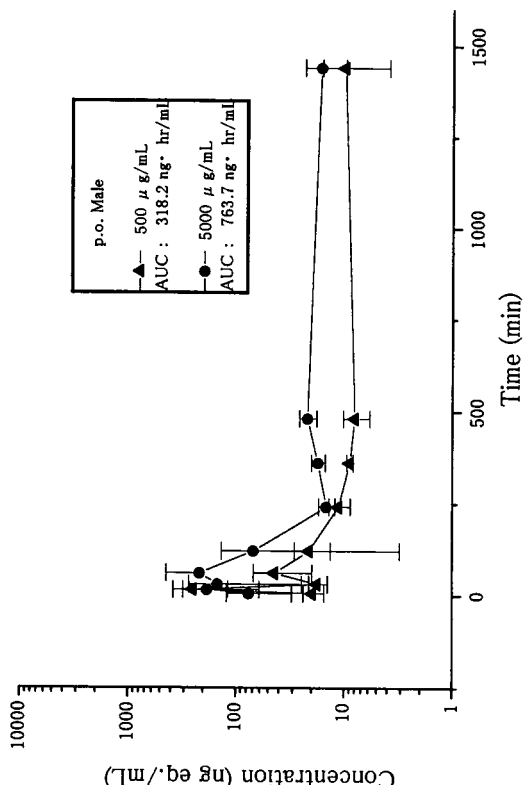
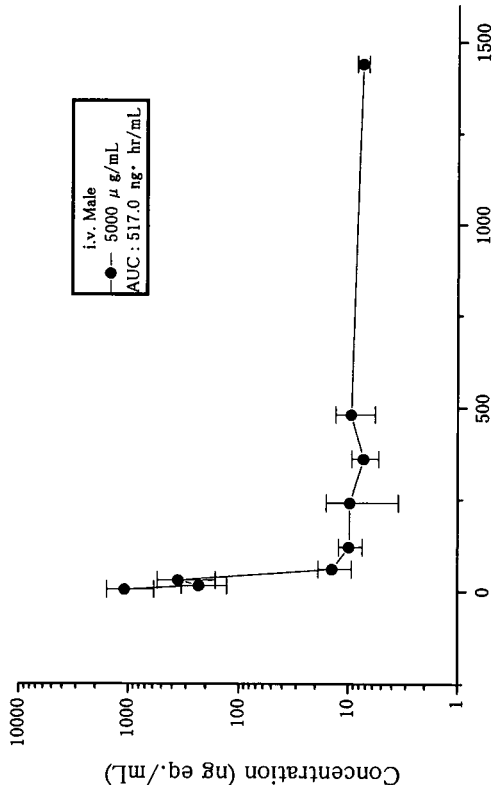
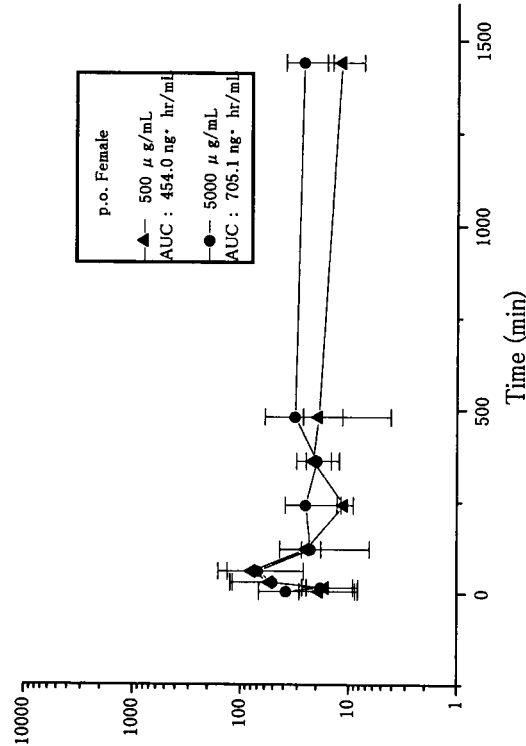
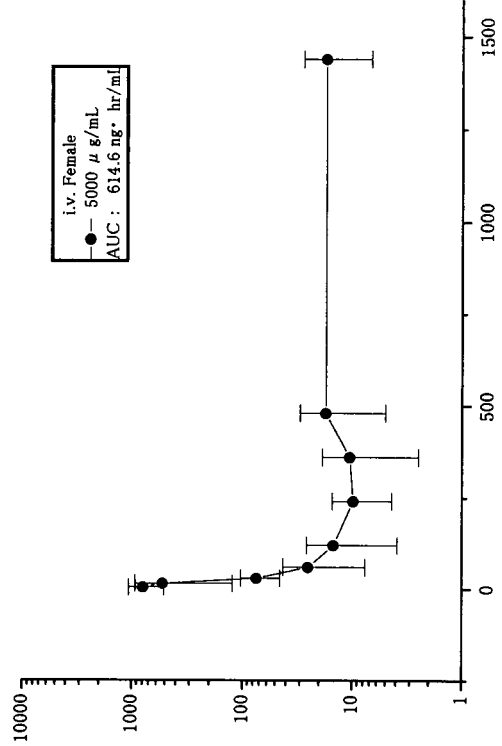


Figure 16. Concentration of Genistein in monkey plasma.

Table 1. Concentration of radioactivity in plasma and milk after a single oral administration of BBP, NP and GE to lactating rat

Substance	Dose ($\mu\text{g}/\text{kg}$)	Concentration of Radioactivity (ng eq. / mL)					
		1.5 hr	3 hr	6 hr	24 hr	48 hr	
BBP	250	Milk	17.94 \pm 4.71	41.61 \pm 1.57	39.18 \pm 11.48	30.03 \pm 2.56	5.93 \pm 3.32
		Plasma	291.26 \pm 96.17	196.90 \pm 32.70	92.20 \pm 45.43	52.10 \pm 34.19	3.03 \pm 0.24
		Milk / Plasma rate	0.06	0.21	0.42	0.58	1.96
NP	200	Milk	17.59 \pm 9.20	26.16 \pm 17.64	50.55 \pm 15.37	13.25 \pm 5.35	5.11 \pm 1.03
		Plasma	25.77 \pm 3.99	43.10 \pm 22.21	23.88 \pm 11.56	2.98 \pm 0.90	2.61 \pm 0.43
		Milk / Plasma rate	0.68	0.61	2.12	4.45	1.96
GE	300	Milk	4.51 \pm 3.03	6.14 \pm 2.18	4.48 \pm 0.95	1.86 \pm 0.54	17.32 \pm 1.81
		Plasma	47.76 \pm 24.71	18.22 \pm 0.44	16.19 \pm 2.97	15.70 \pm 7.18	13.80 \pm 1.22
		Milk / Plasma rate	0.09	0.34	0.28	0.12	1.26

Mean \pm S.D. (n=3)