

Physiological Parameters Relevant to PK

Fluid Flows by Species	Mouse	Rat	Rabbit	Monkey	Dog	Human
Size (kg)	0.02	0.25	2.5	5	10	70
Liver Blood Flow (L/hr/kg)	5.4	3.3	4.3	2.6	1.9	1.26
Kidney Blood Flow (L/hr/kg)	3.9	2.2	1.9	1.7	1.3	1.08
Glomerular Filtration (L/hr/kg)	0.84	0.31	0.19	0.13	0.37	0.11
Bile Flow (L/hr/kg)	6	5.4	7.2	1.5	0.72	0.3
Cardiac Output (L/hr/kg)	24	17.8	12.7	13	7.2	4.8

in mL/min/kg (16.67x)	Mouse	Rat	Rabbit	Monkey	Dog	Human
Liver Blood Flow (mL/min/kg)	90	55	40	44	31	21
Kidney Blood Flow (mL/min/kg)	65	36.7	31.7	28.3	21.7	18
Glomerular Filtration (mL/min/kg)	14	5.2	3.2	2.2	6.2	1.83
Bile Flow (mL/min/kg)	100	90	120	25	12	5
Cardiac Output (mL/min/kg)	400	297	212	216.7	120	80

Volumes	Mouse	Rat	Rabbit	Monkey	Dog	Human
Total Body Water (mL)	14.5	167	1790	3465	6036	42000
Plasma Volume (mL)	1	7.8	110	224	515	3000
Blood Volume (mL)	1.7	13.5	171.9	367	900	5200