

Rat/Mouse Default Values

RAT DEFAULT VALUES															
	<u>Subchronic Study</u>					<u>Chronic Study</u>					<u>Weaning</u>				
	BW	Water Intake	Water Factor	Food Intake	Food Factor	BW	Water Intake	Water Factor	Food Intake	Food Factor	BW	Water Intake	Water Factor	Food Intake	Food Factor
Male															
Fisher 344	0.180	0.028	0.156	0.018	0.100	0.380	0.049	0.129	0.030	0.079	0.031	0.008	0.248	0.006	0.181
Long-Evans	0.248	0.036	0.145	0.022	0.089	0.472	0.057	0.121	0.034	0.072	0.040	0.009	0.233	0.007	0.168
Osborne-Mendel	0.263	0.037	0.141	0.023	0.087	0.514	0.061	0.119	0.036	0.070	0.053	0.011	0.208	0.008	0.151
Sprague-Dawley	0.267	0.037	0.139	0.023	0.086	0.523	0.062	0.119	0.036	0.069	0.057	0.012	0.211	0.008	0.147
Wistar	0.217	0.032	0.147	0.020	0.092	0.462	0.057	0.123	0.034	0.074	0.053	0.011	0.208	0.008	0.151
Male rat average			0.145		0.091			0.122		0.073			0.221		0.159
Female															
Fisher 344	0.124	0.021	0.169	0.014	0.113	0.229	0.033	0.144	0.021	0.092	0.030	0.008	0.250	0.006	0.183
Long-Evans	0.179	0.028	0.156	0.018	0.101	0.344	0.046	0.134	0.028	0.081	0.038	0.009	0.237	0.006	0.168
Osborne-Mendel	0.201	0.031	0.154	0.019	0.095	0.389	0.050	0.129	0.030	0.077	0.052	0.011	0.212	0.008	0.154
Sprague-Dawley	0.204	0.031	0.152	0.020	0.098	0.338	0.045	0.133	0.027	0.080	0.056	0.012	0.214	0.008	0.148
Wistar	0.156	0.025	0.160	0.016	0.103	0.297	0.041	0.138	0.025	0.084	0.052	0.011	0.212	0.008	0.154
Female rat average			0.158		0.102			0.136		0.083			0.225		0.162
Rat average			0.152		0.096			0.129		0.078			0.223		0.161

MOUSE DEFAULT VALUES



MOUSE DEFAULT VALUES

	Subchronic Study					Chronic Study					Weaning				
	BW	Water Intake	Water Factor	Food Intake	Food Factor	BW	Water Intake	Water Factor	Food Intake	Food Factor	BW	Water Intake	Water Factor	Food Intake	Food Factor
Male															
BAF1	0.0223	0.0060	0.269	0.0045	0.202	0.0261	0.0068	0.261	0.0050	0.192	0.0080	0.0028	0.350	0.0023	0.288
B6C3F1	0.0316	0.0078	0.247	0.0057	0.180	0.0373	0.0088	0.236	0.0064	0.172	0.0090	0.0031	0.344	0.0025	0.278
Male mouse average			0.258		0.191			0.248		0.182			0.347		0.283
Female															
BAF1	0.0204	0.0057	0.279	0.0043	0.211	0.0222	0.0060	0.270	0.0045	0.203	0.0070	0.0026	0.371	0.0021	0.300
B6C3F1	0.0246	0.0065	0.264	0.0048	0.195	0.0353	0.0085	0.241	0.0061	0.173	0.0110	0.0036	0.327	0.0028	0.255
Female mouse average			0.272		0.203			0.256		0.188			0.349		0.277
Mouse average			0.265		0.197			0.252		0.185			0.348		0.280

Note:

1. The body weight (BW) unit is kg, the food intake unit is kg/day, and the water intake unit is L/day. The food factor unit is kg food/kg BW/day and the water factor is L water/kg BW/day.
2. The subchronic and chronic body weights are the time-weighted average (TWA) body weights for laboratory mammals over the period from weaning to 90 days (subchronic) and from weaning to 730 days postweaning (chronic).
3. All the default values listed in the table including body weight, food intake and water intake, are obtained from U.S. EPA (1988) and based on these defaults values, the food and water factors are calculated.

Reference:

U.S. EPA 1988. Recommendations for and Documentation of Biological Values for Use in Risk Assessment. EPA/600/6-87/008