

M I C E

Care and Feeding

	Number of Adults	Number of Young	Cage Dimensions*		Height
			Length	Width	
Breeding/Lactation	1 pair	12	30 cm	15 cm	15 cm
Growing	10-15		45 cm	30 cm	15 cm
Experimental	3-5		Variable		

Feeding Recommendations

Daily Feed Usage	Water Requirement	Begin Dry Food Consumption
4-5 gm. Feed free choice. No supplemental feeding necessary	Ad libitum	10 days

Environmental Data

Room Temp.	Humidity	Light	Litter Material
25 °C	45-55%	10-12 hrs/day	Treated corn cobs, shredded beet pulp, wood shavings, or commercial beddings

Biological Values

Blood Chemical Composition

Water	Calcium	Sodium	Chloride	Phosphorus	Potassium
92-94 gm/100ml	4.2 mEq/L	—	—	5.6 mg/100ml	—
Magnesium	Cholesterol	Glucose	Serum Protein	Albumin	Globulin
1.3 mg/100ml	132-244(B) mg/100ml	174 mg/100 ml (whole blood)	4.0 gm/100ml	3.4 gm/100ml	0.6 gm/100ml

Values are for plasma, except where noted

Oxygen Consumption and Body Temperature

Observed Weight	Temperature	Oxygen Consumption	Breathing Rate	Heart Rate Adult
20 gm	36.5 °C	1.69 mlO ₂ /gm/hr	163/minute (84-230)	600/minute (328-780)

Hematological Values

Whole Blood Volume (T-1824 dye)	Clotting Time	RBC Life Span	RBC Diameter	RBC Rate of Sedimentation
78 ml/kg	14 sec.	20-30 days	6.6 microns	—
Blood pH	RBC	Hematocrit	Platelets	Hb
—	7.7-12.5 10 ⁶ /mm ³	41.5 ml/100ml	246-339 10 ³ /mm ³	14.8 gm/100ml

Total and Differential White Blood Cell Counts

Leucocytes	Neutros	Eosinos	Basos	Lymphos	Monos
8.0 10 ³ /mm ³	2.0 10 ³ /mm ³	0.15 10 ³ /mm ³	0.05 10 ³ /mm ³	5.5 10 ³ /mm ³	0.30 10 ³ /mm ³

Life Cycle Information

Weight Adult Male	Weight Adult Female	Weight at Birth	Breeding Age Male	Breeding Age Female	Estrus Cycle
20-40 gm	25-40 gm	1.5 gm	50 days 20-35 gm	50-60 days 20-30 gm	4-5 days
Gestation	Weaning Age	Litter Size	Rebreed After Parturition	Breeding Life Male	Breeding Life Female
17-21 days 19 days avg.	16-21 days 10-12 gm	1-23 10-12 avg.	Immediately	18 months	6-10 litters

Mating Data: Pair or colony: 1 male, 3 females

* Refer to the "Guide for the Care and use of Laboratory Animals" — NIH Publication No. 85-23, Revised 1985.
Prepared by the Institute of Laboratory Animal Resources, National Research Council, 2101 Constitution Avenue, N.W., Washington, DC 20418