

# CANINES

<b>Care and Feeding</b>						
<b>Breeding/Lactation</b>	<b>Number of Adults</b> 1 pair	<b>Number of Young</b> 3-4	<b>Cage Dimensions*</b> <b>Length</b> <b>Width</b> <b>Height</b> See ILAR guidelines (1985). Larger areas recommended for comfort and ease of cleaning.			
<b>Growing</b>	4-5					
<b>Experimental</b>	Varies					
<b>Feeding Recommendations</b>	<b>Daily Feed Usage</b> 25-40 gm/kg body weight		<b>Water Requirement</b> Ad libitum. Need 2-3 times as much water as dry food consumed.		<b>Begin Dry Food Consumption</b> 20-30 days	
<b>Environmental Data</b>	<b>Room Temp.</b> 16-27 °C Avoid exposure to drafts	<b>Humidity</b> 45-55%	<b>Light</b> 10-12 hrs/day	<b>Litter Material</b> Blanket or similar bedding. Maintain on 1.25 x 2.5 cm wire floor.		
<b>Biological Values</b>						
<b>Blood Chemical Composition</b>	<b>Water</b> 91-95 gm/100ml	<b>Calcium</b> 5.3 mEq/L	<b>Sodium</b> 150 mEq/L	<b>Chloride</b> 106 mEq/L	<b>Phosphorus</b> 5.6 mg/100ml	<b>Potassium</b> 4.4 mEq/L
	<b>Magnesium</b> 1.9-2.5 mg/100 ml	<b>Cholesterol</b> 138-214 mg/100ml	<b>Glucose</b> 70-100 mg/100ml (whole blood)	<b>Serum Protein</b> 6.1-7.8 gm/100ml	<b>Albumin</b> 3.1-4.0 gm/100ml	<b>Globulin</b> 2.0-3.3 gm/100ml
Values are for plasma, except where noted						
<b>Oxygen Consumption and Body Temperature</b>	<b>Observed Weight</b> 20 kg	<b>Temperature</b> 38.9 °C	<b>Oxygen Consumption</b> 0.36 mlO <sub>2</sub> /gm/hr	<b>Breathing Rate</b> 20/minute (10-30)	<b>Heart Rate</b> 120/minute (100-140)	
<b>Hematological Values</b>	<b>Whole Blood Volume (T-1824 dye)</b> 79 ml/kg	<b>Clotting Time</b> 180 sec.	<b>RBC Life Span</b> 107-122 days	<b>RBC Diameter</b> 7.1 microns	<b>RBC Rate of Sedimentation</b> 1-4 mm/hr	
	<b>Blood pH</b> 7.36	<b>RBC</b> 4.5-8.0 10 <sup>6</sup> /mm <sup>3</sup>	<b>Hematocrit</b> 45 ml/100ml	<b>Platelets</b> 188-960 10 <sup>3</sup> /mm <sup>3</sup>	<b>Hb</b> 16.0 gm/100ml	
<b>Total and Differential White Blood Cell Counts</b>	<b>Leucocytes</b> 12.0 10 <sup>3</sup> /mm <sup>3</sup>	<b>Neutros</b> 8.2 10 <sup>3</sup> /mm <sup>3</sup>	<b>Eosinos</b> 0.6 10 <sup>3</sup> /mm <sup>3</sup>	<b>Basos</b> 0.09 10 <sup>3</sup> /mm <sup>3</sup>	<b>Lymphos</b> 2.5 10 <sup>3</sup> /mm <sup>3</sup>	<b>Monos</b> 0.65 10 <sup>3</sup> /mm <sup>3</sup>
<b>Life Cycle Information</b>						
	<b>Weight Adult Male</b> 13.5-18.5 kg (Beagle)	<b>Weight Adult Female</b> 13.5-16 kg (Beagle)	<b>Weight at Birth</b> 350-450 gm	<b>Breeding Age Male</b> 10-12 months	<b>Breeding Age Female</b> 9-12 months	<b>Estrus Cycle</b> Bi-annual
	<b>Gestation</b> 60-65 days	<b>Weaning Age</b> 6-8 months	<b>Litter Size</b> 4-8	<b>Rebreed After Parturition</b> Next heat period	<b>Breeding Life Male</b> 6-14 years	<b>Breeding Life Female</b> 6-10 years
	<b>Mating Data:</b> 1 male, up to 40-60 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