

CANINES

Care and Feeding

	Number of Adults	Number of Young	Cage Dimensions* Length	Width	Height
Breeding/Lactation	1 pair	3-4	See ILAR guidelines (1985). Larger areas recommended for comfort and ease of cleaning.		
Growing		4-5			
Experimental		Varies			

Feeding Recommendations	Daily Feed Usage	Water Requirement	Begin Dry Food Consumption
	25-40 gm/kg body weight	Ad libitum. Need 2-3 times as much water as dry food consumed.	20-30 days

Environmental Data	Room Temp.	Humidity	Light	Litter Material
	16-27 °C Avoid exposure to drafts	45-55%	10-12 hrs/day	Blanket or similar bedding. Maintain on 1.25 x 2.5 cm wire floor.

Biological Values

Blood Chemical Composition	Water	Calcium	Sodium	Chloride	Phosphorus	Potassium
Values are for plasma, except where noted	91-95 gm/100ml	5.3 mEq/L	150 mEq/L	106 mEq/L	5.6 mg/100ml	4.4 mEq/L
	Magnesium	Cholesterol	Glucose	Serum Protein	Albumin	Globulin
	1.9-2.5 mg/100 ml	138-214 mg/100ml	70-100 mg/100ml (whole blood)	6.1-7.8 gm/100ml	3.1-4.0 gm/100ml	2.0-3.3 gm/100ml

Oxygen Consumption and Body Temperature	Observed Weight	Temperature	Oxygen Consumption	Breathing Rate	Heart Rate
	20 kg	38.9 °C	0.36 mlO ₂ /gm/hr	20/minute (10-30)	120/minute (100-140)

Hematological Values	Whole Blood Volume (T-1824 dye)	Clotting Time	RBC Life Span	RBC Diameter	RBC Rate of Sedimentation
	79 ml/kg	180 sec.	107-122 days	7.1 microns	1-4 mm/hr
	Blood pH	RBC	Hematocrit	Platelets	Hb
	7.36	4.5-8.0 10 ⁶ /mm ³	45 ml/100ml	188-960 10 ³ /mm ³	16.0 gm/100ml

Total and Differential White Blood Cell Counts	Leucocytes	Neutros	Eosinos	Basos	Lymphos	Monos
	12.0 10 ³ /mm ³	8.2 10 ³ /mm ³	0.6 10 ³ /mm ³	0.09 10 ³ /mm ³	2.5 10 ³ /mm ³	0.65 10 ³ /mm ³

Life Cycle Information

Weight Adult Male	Weight Adult Female	Weight at Birth	Breeding Age Male	Breeding Age Female	Estrus Cycle
13.5-18.5 kg (Beagle)	13.5-16 kg (Beagle)	350-450 gm	10-12 months	9-12 months	Bi-annual
Gestation	Weaning Age	Litter Size	Rebreed After Parturition	Breeding Life Male	Breeding Life Female
60-65 days	6-8 months	4-8	Next heat period	6-14 years	6-10 years
Mating Data:		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.
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