

# WOMBAROO

## LEMUR MILK REPLACER <sup>1,2</sup>

### TYPICAL ANALYSIS (Powder)

Protein	23%
Fat	20%
Carbohydrate	49%
Ash	5%
Moisture	3%
Energy (ME)	20 MJ/kg

**INGREDIENTS:** Whole milk solids, whey protein, casein, glucose, vegetable oils, omega-3 and omega-6 fatty acids, stabilised vitamin C, taurine, vitamins and minerals.

**PACK SIZE:** 5kg Net.

**DIRECTIONS FOR USE:** To make 1 litre of milk mix 125g of powder with 950ml of preboiled warm water. Add about half of the water first, mix to a paste then make up to 1 litre with remaining water and mix thoroughly. An electric whisk can be used for mixing.

Feed **Impact Colostrum Supplement** to new-borns that did not receive maternal colostrum.

### TYPICAL COMPOSITION PER LITRE OF PREPARED MILK

Protein	30g	Vitamin E	15mg	Folic Acid	1.0mg	Sodium	400mg
Fat	28g	Vitamin K	1.1mg	Vitamin B <sub>12</sub>	20µg	Magnesium	85mg
- Omega 3	1.3g	Vitamin C	500mg	Biotin	90µg	Zinc	3.6mg
- Omega 6	2.2g	Thiamine	7.5mg	Choline	120mg	Iron	5.8mg
Carbohydrate	57g	Riboflavin	2.0mg	Inositol	80mg	Manganese	2.0mg
Energy (ME)	2.5MJ	Niacin	30mg	Calcium	1.4g	Copper	0.6mg
Vitamin A	270µg	Pantothenic Acid	11mg	Phosphorus	1.2g	Iodine	110µg
Vitamin D <sub>3</sub>	4.3µg	Pyridoxine	2.5mg	Potassium	1400mg	Selenium	25µg

### FEED VOLUME

Estimates of feed volume are based on the animal being maintained in a thermo-neutral environment with milk as the only source of food. Energy required per day in kJ for an animal of body weight W kg is given by the equation for Primates<sup>3</sup>, with an energetic scaling factor of 2.1 :

$$2.1 \times 235W^{0.755}$$

Body Weight (g)	Feed Volume (mL/day)	Body Weight (g)	Feed Volume (mL/day)	Body Weight (g)	Feed Volume (mL/day)
50	20	300	80	600	140
100	40	350	90	700	155
150	50	400	100	800	170
200	60	450	110	900	185
250	70	500	120	1000	200

### REFERENCES

1. Buss, D. H., Cooper, R. W., & Wallen, K. (1976). Composition of lemur milk. *Folia Primatologica*, 26(4), 301-305.
2. Tilden, C. D., & Oftedal, O. T. (1997). Milk composition reflects pattern of material care in prosimian primates. *American Journal of Primatology*, 41(3), 195-211.
3. Hayssen V & RC Lacey (1985). Basal Metabolic Rates in Mammals. *Comp. Biochem. Physiol.* Vol 81A, No.4:741-754.