

# ProfeLAC<sup>®</sup> SHEPHERD

## Premium Lamb-Kid-Cria Milk Replacer

### “WORTH REARING, WORTH ProfeLAC.”



**ProfeLAC SHEPHERD Premium Lamb-Kid-Cria Milk Replacer** has been specifically formulated to mimic ewe milk for optimum lamb nutrition. It is recommended as a milk replacer for small ruminants (lambs, kids and crias) after the first day of life at which stage the newborn will have received optimum benefit from first colostrum – an essential start to life.

**ProfeLAC SHEPHERD** has been blended from selected dairy ingredients to offer a **fully instantised** high-fat, low-lactose milk feed ideal for rearing lambs, kids and crias.

**ProfeLAC SHEPHERD** has been fortified with a balanced mix of essential Vitamins (including all B-group vitamins) and Trace Minerals to ensure the animal's minimum daily requirements are met. Also contains **BioPAK<sup>®</sup> SHEPHERD** - a specific blend of Pro-biotics; acidifiers; and botanical extracts as an aid to digestion and to improve gut health.

#### TYPICAL ANALYSIS:

Nutrition Profile	ProfeLAC SHEPHERD
Min. Crude Protein %	25
Min. Fat %	30
Max. Crude Fibre %	0
Min. Lactose %	30
Lysine %	2.2
Methionine %	0.6
<b>BioPAK<sup>®</sup> SHEPHERD</b> premix	✓
<b>Essential Vitamins</b>	
Vitamin A IU/kg	50,000
Vitamin D3 IU/kg	10,000
Vitamin E mg/kg	150
Vitamin B1 mg/kg	15
Vitamin B2 mg/kg	5
Vitamin B3 mg/kg	30
Vitamin B5 mg/kg	3
Vitamin B6 mg/kg	3
Vitamin B9 mg/kg	3
Vitamin B12 mg/kg	0.04
Biotin mg/kg	0.5
Vitamin K mg/kg	2
Vitamin C mg/kg	100
<b>Essential Trace Minerals</b>	
Cobalt mg/kg	0.25
Copper mg/kg	6
Iodine mg/kg	0.2
Iron mg/kg	100
Manganese mg/kg	50
Selenium mg/kg	0.2
Zinc mg/kg	50

**ProfeLAC SHEPHERD** does not contain Restricted Animal Material.

#### MIXING INSTRUCTIONS:

Add the required quantity of powder to half the required volume of warm water (40°C) and mix thoroughly by whisking until dissolved. Then add the remaining quantity of water (warm or cold) to required litres and stir thoroughly to ensure a homogenous mix. For best results in young animals, feed milk at 40°C (body temperature) for the first 3 weeks of life.

**ProfeLAC SHEPHERD** has been formulated to allow powder mixing, and feeding of reconstituted milk, at lower temperatures than those recommended above.

**ProfeLAC SHEPHERD** is supplied in 16kg bags and a 6kg convenience pail.

**WITHHOLDING PERIODS – NIL**

#### Improving Survival of Weak Infant Animals:

Neonates are most susceptible to death and disease because they are born with no natural immunity. The ability of the neonate to stand and suckle first colostrum within the first 6 hours of life is crucial to their survivability. Ingestion of sufficient colostrum in the first 12-24 hours by orphaned neonates will also aid survivability and reduce morbidity (prevalence of illness or disease).

#### How To Help Orphaned Infants:

- Where practical obtain colostrum from another dam and feed it to the orphaned infant. Colostrum from an older dam is usually of better quality and richer in disease fighting proteins.
- If no donor dam is available, try and source colostrum from another source (e.g. dairy or beef cow).
- Enrich the milk by adding an 1 egg yolk with each milk feed for 1-2 days – if possible, use eggs off the farm.
- For weak neonates that are struggling to stand or lacking energy administer 5mL of **ProfeSTART ENERGY Plus Paste**. This 2-stage energy and nutrient boost will enable most infants to stand and suckle.
- Ensure infants are kept warm and dry.
- Keep pens clean, dry and avoid wind drafts at body level.
- Refer to Guidelines on next page or contact ProviCo.

**Product Enquiries: 1300 380 343**

**ProfeLAC SHEPHERD** is developed and marketed by:



**ProviCo Pty Ltd.**  
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**Specialists in Infant Animal Nutrition & Health**

## LAMB & KID FEEDING:

### Mixing Rate for Optimum Weight Gain -

- **Lambs: 180g per Litre** (18% feed concentration)  
Bulk mixing: 1kg powder plus 4.5L water = 5.5L
- **Kids: 160g per Litre** (16% feed concentration)  
Bulk mixing: 1kg powder plus 5L water = 6L

### Mixing Rate for Moderate Weight Gain -

- **Lambs: 160g per Litre** (16% feed concentration)  
Bulk mixing: 1kg powder plus 5L water = 6L
- **Kids: 140g per Litre** (14% feed concentration)  
Bulk mixing: 1kg powder plus 6L water = 7L

Choose Mixing Rate to meet preferred Weight Gain Objective and follow the Feeding Schedule in table below:

Age	Daily Volume	Volume/Feed	Feeds/Day
Day 1 (colostrum)	700mL	175mL	4
Day 2-7 (week 1)	500mL	170mL	3
Day 8-14 (week 2)	1000mL	333mL	3
Day 15-21 (week 3)	1400mL	700mL	2
Week 4 - weaning	1700mL	850mL	2
Weaning (7 days)	500mL	500mL	1
Wean from 4-6 wks of age when eating sufficient solid food & forage			

## **LAMB & KID REARING GUIDELINES:**

NB Infant health, growth and size may require changes to guidelines.

1. Colostrum should be fed at 50 mL per kg bodyweight within the first hour after birth and again in another three equal meals within 24 hours (total of 700 mL for a 3.5 kg newborn animal).
2. Weak or 'At Risk' Infants - administer 5mL of **ProfeSTART Energy Plus PASTE** to boost energy levels and aid appetite.
3. Clean and disinfect drinking equipment, teats, water and feed troughs between feeds with **VirKon S**. When group rearing, maintain pen/shed hygiene with a weekly application of **VirKon S**.
4. All feeds should be given at regular intervals. Do not overfeed – feeding more than recommended amounts in smaller breeds may induce feeding scours.
5. Infants should be fed warm liquid feed during the first 2-3 weeks of life, cold milk can be offered thereafter.
6. Liquid feed can be increased to maintain infant health and welfare in cold conditions or to improve daily gain in larger breeds. Infants may require shelter and supplementary heat for the first few weeks of life in cold conditions.
7. If scouring occurs, reduce milk intake by 50% and feed a quality, veterinarian endorsed electrolyte in between milk feeds for 2 days. Gradually increase milk intake to recommended levels over a 2-3 day period.
8. Offer small fresh quantities of lamb creep ration (solid feed) and good quality hay from 1 week of age. Fresh water must be available at all times.
9. Weaning can take place once animals have reached 10kg bodyweight (between 2-3 times birth-weight) and consuming sufficient solid feed (250-450g/day) and quality forage (hay and pasture). Weaning will depend on economic and management considerations and can commence as early 4- 6 weeks of age. For best results feed 0.5L of milk once daily during the last week of milk feeding.
10. To prevent post-weaning setbacks in large flocks, drench animals with 2mL of **BioStart RUMINANT** at last milk feed; and ensure animals have access to solid feed for at least one more week (preferably 3 weeks). Return animals to liquid milk diet if they show a loss of body condition after weaning.

Based on these guidelines one 16kg bag of **ProfeLAC SHEPHERD** will raise two (2) lambs/kids weaned at 6 weeks OR one (1) lamb/kid on an extended milk feeding program.

## CRIA FEEDING:

Crias require 10% of their bodyweight in liquid milk daily.

**Mixing Rate: 180g per Litre** (18% feed concentration)

Bulk mixing: 1kg powder plus 4.5L water = 5.5L of milk feed.

Weight	Daily Volume	Feeding Quantities	DM Intake
7 kg	0.7L	115mL, 6 times/day	125g/day
9 kg	0.9L	150mL, 6 times/day	165g/day
11 kg	1.1L	185mL, 6 times/day	200g/day
14 kg	1.4L	235mL, 6 times/day	255g/day
16 kg	1.6L	270mL, 6 times/day	290g/day
18 kg	1.8L	300mL, 6 times/day	325g/day

## **CRIA REARING GUIDELINES:**

- Ensure cria receives 10% of its bodyweight in colostrum within the first 12 hours of life to maximise antibody intake - feed 115mL every 2 hours for the first 12 hours then feed 115mL at 4 hourly intervals.
- Where practical - feed colostrum for the first 3 days of life.
- Weak or 'At Risk' crias - administer 5mL of **ProfeSTART Energy Plus PASTE** to boost energy levels and aid appetite.
- Dispense liquid milk into CLEAN feeders and thoroughly clean feeding equipment afterwards.
- Divide daily milk volume into 6 daily feeds for first 1-2 weeks. Refer table. Gradually decrease feedings to 4 daily feeds by 4 weeks, then to 3 daily feeds until weaned.
- Monitor live weights to ensure adequate weight gain. Crias should gain at least 100g & 250g per day for small and large breeds respectively, with optimum weight gains up to 250g & 450g daily for small and large breeds respectively.
- Avoid over feeding and large increases in feeding volumes. Frequent feeding of small amounts will reduce digestive upsets.
- Avoid changing milk replacer brand or concentration of milk feed.
- Manure consistency is a good indicator of correct amount and concentration of milk feed. If scours persist, offer electrolytes in between milk feeds and seek veterinary advice.
- Introduce a quality, highly digestible creep feed, forage and hay from 1-2 weeks of age.
- Most crias will have weaned themselves by 6 mths of age, unless nursing has become a behavioural pattern. Weaning can commence as early as 4 months provided cria has adjusted to good **quality forage** (pasture & hay of **suitable energy and protein content**).
- Gradually reduce milk replacer feed until cria is completely weaned.
- Provide clean, fresh water at all times to allow normal development of the 1<sup>st</sup> compartment of the stomach.

## **FEEDING OTHER INFANT ANIMALS:**

**ProfeLAC SHEPHERD** is also a safe feed for other young animals such as fawns, piglets, ponies and pups.

**Fawns** – mix 200g of powder to make 1L of solution.

**Pups** – mix 180g of powder to make 1L of solution.

**Piglets** – mix 160g of powder to make 1L of solution.

**Ponies/Foals** – mix 100g of powder to make 1L of solution.

**Calves** – mix 125g of powder to make 1L of solution.

For best results in calves and foals use **ProfeLAC SILVER** and for piggeries use **ProfeLAC PIGLET**.

**Contact ProviCo or your vet to obtain appropriate feeding schedules for pups, piglets, fawns and ponies.**