



Miro Feeds Ltd

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Nukamel Calf Milk Replacer INFORMATION SHEET

DESCRIPTION

A whey based water soluble complete milk replacer. The use of organic acids in combination with cold soluble dairy raw materials makes it an ideal product that can secure a problem free breeding programme for calves. Nukamel can be given to calves after the necessary colostrum. It can be used in bucket feeding as well as in automatic feeding systems.

TYPICAL ANALYSIS*

Protein 23%

Vitamin A IU/kg 55,000

Vitamin C mg/kg 300

Includes lactic acid as an effective antibacterial agent.

Fat 20% pH 5.5

Vitamin D3 IU/kg 45,000

Vitamin E mg/kg 300



Composition: Whey Powder, coconut fat, wheat protein concentrate, soya protein concentrate, palm oil.*Due to ingredient variability typical analysis should be used as a guide only.

ADVANTAGES

(1) Nutrient Levels

The level of protein and fat is adapted to the needs of the young calf. Nukamel Calf Milk Replacer offers a well balanced high digestible fat/protein level to avoid digestive problems.

(2) Lactic Acid

Acidification of the calf milk replacer is a well-established practice because it helps to prevent growth of pathogenic gastrointestinal bacteria. Lactic acid is the acidifier of choice because besides being an effective antibacterial agent, also tastes extremely well to calves.

(3) Automatic Feeding

Nukamel Calf Milk Powder is designed to be of the correct density to keep a constant flow through automatic feeding systems to ensure that the calves always receive the programmed quantity of calf milk replacer.

(4) Cold soluble and stock feeding

Nukamel Calf Milk Replacer can be diluted in water at a lower temperature than normal milk replacers. The raw materials have been developed to obtain good emulsifying properties and ensure long stability.

MIXING INSTRUCTIONS:

1 kg powder in 8 litres water of about 45-55 degrees C gives about 9 litres milk. The ideal way to dissolve this product is to dissolve the powder in about 3/4 of the amount of water at 55 degrees C, and then add the remaining water at room temperature to reach the drinking temperature of 37 degrees C.

FEEDING SCHEDULE

Use this feeding schedule as a guideline :

	Litres per Animal Per Day		No of Feeds Per Day
AGE RANGE (Days)	Heifer	Bull	
1-3	Colostrum in abundance		Minimum 4
4 - 7	3*	3*	3
Week 2	4	5	2
Week 3	4	6	2
Week 4	5	6	2
Week 5 - 7	6	6	2
Week 8	5	6	2
Week 9	4	6	2
Week 10	4	5	2
Week 11	3	4	2
Week 12	2	2	2
*or 50% with 50% whole cow milk (cow warm)			

USEFUL TIPS

1. Use a whisk for stirring. This gives a smooth homogenous artificial milk
2. Check if the drinking temperature is 37 degrees C. The ideal way to dissolve this product is to dissolve the powder in about $\frac{3}{4}$ of the amount of water at 55 degrees C, and then add the remaining water at room temperature to reach the drinking temperature at 37 degrees C.
3. Take care that the change from feeding colostrum happens little by little.
4. The materials that come in contact with the milk have to be kept VERY CLEAN. Clean them first with cold then with warm water.
5. The feeding schedule has to be considered only as a directive. It is possible that for some calves the above mentioned quantities are too much while others need more.
6. Regularly check the dung on colour and solidity.
7. Give concentrate from the first week. Give small portions and no more than is consumed. Change the feed regularly.
8. Take care that the calves have enough hay and drinking water at their disposal from the age of 2 weeks.
9. They need to drink generally can be stated on 10% of the bodyweight. Eg. A calf of 40kg needs 4 litres/day.
10. For acquired calves we advise a smoother feeding schedule for the first 14 days.

STORAGE GUIDELINES

- ✓ Avoid storing this product in warm conditions
- ✓ Keep this product away from direct exposure to sunlight.
- ✓ Do not store near any sources of water or in other moist places.
- ✓ Apply available measures to avoid insect infestation in storage area.
- ✓ Ensure storage area is clean at all times.