

**PRODUCT INFO
& DATASHEET**

SICOMILK PLUS

*Whey based water soluble complete milkreplacer
(crude protein 21% - crude fat 17% - crude ash 10.5%)*

1. PRODUCT DESCRIPTION

SICOMILK PLUS is a whey based water soluble complete milkreplacer. The product contains dairy ingredients and well selected high quality vegetable proteins. **SICOMILK PLUS** contains all the necessary vitamins and minderals. **SICOMILK PLUS** is an excellent solution for rearing calves all over the world.

2. PRODUCT SPECIFICATIONS

A/ ANALYSIS

	Average		
Crude protein	21	%	
Crude fat	17.0	%	
Crude ash	10.5	%	
Crude fibre	0.3	%	
Humidity	4.0	%	
pH	5.5- 6.1	%	
Ca	0.95	%	
P	0.90	%	
K	2.5	%	
Cl	1.6	%	
			<u>Il. Dig.</u>
Lysine	1.5	%	1.4
Methionine + Cystine	0.75	%	0.7
Threonine	0.9	%	0.7
Tryptophane	0.3	%	0.2
Vitamin A	55,000	IU/kg	
Vitamin D3	4,500	IU/kg	
Vitamin C	300	mg/kg	
Vitamin E	300	mg/kg	
Fe	100	ppm	
Cu	10	ppm	

All other vitamins and trace minerals are added according to the nutritional demands.

B/ COMPOSITION

Whey powder, palm oil, soya protein concentrate, wheat protein concentrate, coconut fat.

C/ MICROBIOLOGICAL FIGURES

Total bacterial count	1,000,000/g	max.
Enterobacteria	1,000/g	max.
E coli	absent in 0.1 g	
Salmonella	absent in 25 g	
St aureus	absent in 1 g	
Yeasts and moulds	1000/g	max.

3. ADVANTAGES & BENEFITS

* Nutrient levels.

The level of protein and fat is adapted to the needs of the young calf. In contradiction to cow's milk, the amount of protein is lower to prevent digestive disorders.

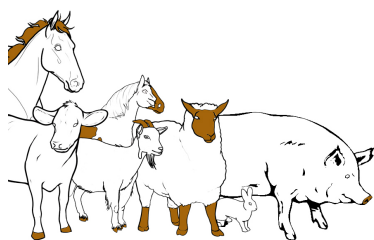
* Use of acids.

Young calves are more vulnerable to infection and disease compared to older animals. Enteric diseases are a concern in calves up to forty days of age. Because six key diseases are transmitted via non-pasteurized milk (Paratuberculosis, Salmonella, bovine viral diarrhoea, bovine leucosis virus, Mycoplasma bovis, and infectious mastitis caused by Mycoplasma bovis, Staph. Aureus, or Strep. Ag.), the use of calf milk replacer is a key component of a dairy bio security program. **SICOMILK PLUS** contains acids to lower the intestinal pH which prevents the growth of micro organisms. The acids also keep the milk longer in solution.

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* Sicozym-E

SICOMILK PLUS is produced with Sicozym-E a special technology that replaces the need for antimicrobial growth promoters. Sicozym-E is developed after years of extensive research. Sicozym-E combines natural antibacterial short chained and medium chained fatty acids, a higher and faster protein digestibility and the addition of nutritional emulsifiers to increase the solubility and digestibility of the fats. These steps lower the fermentation in the hind gut and decrease the pressure of pathogenic bacteria. This results in a better animal performance and health status.

* Physical aspects.

In order to obtain a homogeneous and stable milk, the milkpowder must have specific physical properties. Wettability, sinkability, defoaming, and non depositing effects are some of these aspects which are extremely important.

4. USE & FEEDINGSCHEDULE & TIPS

A/ USE

SICOMILK PLUS is mixed in water of 45-55 dgr. C. The product can be given to calves after the necessary colostrum. **SICOMILK PLUS** can be used in bucket feeding as well as in automatic feeding systems.

B/ PREPARATION

1 kg powder on 8 litres water of about 45-55 dgr. C. gives about 9 litres milk.
Use this feeding schedule as a guideline:

Age	Litres par animal per day		No. of feedings per day
	Heifer	Bull	
day 1-3	colostrum in abundance		min. 4
day 4-7	3 l. *	3 l. *	3
week 2	4 l.	4 l.	2
week 3	4 l.	6 l.	2
week 4	5 l.	6 l.	2
week 5	6 l.	6 l.	2
week 6	6 l.	6 l.	2
week 7	6 l.	6 l.	2
week 8	5 l.	6 l.	2
week 9	4 l.	6 l.	2
week 10	4 l.	5 l.	2
week 11	3 l.	4 l.	2
week 12	2 l.	2 l.	2

* or 50% with 50% whole cow milk (cow warm)

C/ USEFUL TIPS

1. Use a whisk for stirring. This gives a smooth homogeneous artificial milk.
2. Check if the drinking temperature is 37 dgr. C. The ideal way to dissolve this product is to dissolve the powder in about 3/4 of the amount of water at 55 dgr. C., and then add the remaining water at room temperature to reach the drinking temperature of 37 dgr. C.
3. Take care that the change from feeding colostrum happens little by little. (see feeding schedule)
4. The materials that come in contact with the milk have to be kept VERY CLEAN. Clean them first with cold and then with warm water.
5. The feeding schedule has to be considered only as a directive. It is very 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 two weeks.
9. The need to drink generally can be stated on 10% of the bodyweight. Eg. a calf of 40 kg needs 4 l/day.

For acquired calves we advise a smoother feeding schedule for the first 14 days.

5. STORAGE

- Avoid storing **SICOMILK PLUS** in warm conditions.
- Always keep the product away from direct exposure to sunlight.
- Never store in moist places or near any sources of water
- Secure stockroom against all possible breeding ground of insects.
- Ensure storage area is clean at all times

6. PACKING

25 kg net multiply paper bag