



VOLAC INTERNATIONAL LTD. VOLAC HOUSE, ORWELL, ROYSTON, HERTFORDSHIRE, SG8 5QX
SWITCHBOARD: 01223 208021 U.K. SALES: 01223 207885 EXPORT SALES DIRECT LINE: 01223 206886 FACSIMILIE: 01223 207629

TECHNICAL DATA SHEET

- Product Name:** Calf Volostrum
- Product Type:** To supplement or as a natural alternative to maternal colostrum
- Presentation:** Volostrum for calves is a water soluble, cream powder. It should be reconstituted carefully in water (40°C) to form a palatable solution for oral administration to calves.
- Composition:** Volostrum is a spray dried whey protein concentrate.
- Analysis:**
- | | |
|----------|--------|
| Protein | 76.0 % |
| Oil | 8.0% |
| Fibre | Nil |
| Ash | 3.0% |
| Moisture | 5.0% |
| Lactose | 8% |
- Efficacy:** The high protein and energy content of Volostrum can provide nutrients for maintenance of body tissues during the first hours of life. The high concentration of nutrients in solution may restrict the ability of bacteria to proliferate in the intestinal lumen and thereby reduce the potential for infection.
- Uses:** For oral administration to calves preferably within the first six hours of life. It is designed to supplement or as a natural alternative to maternal colostrum. Calf Volostrum powder should be mixed with water (40°C) immediately prior to use. It should preferably be offered from a bucket via a teat for voluntary consumption by the calf although a stomach tube may be used by experienced workers.
- Dosage:** Mix the contents of one box of Volostrum, 450g, with 1.0 litre (1lb with 2 pints) of water according to the instructions on the pack. This will satiate the calf and it may not wish to feed again for about 8 hours.

The following results were obtained over a period of 3 years research conducted at the Royal Veterinary College, University of London, supervised by Dr. David White.

Results:

Treatment	Mortality	Incidence of subsequent medication	Weight gain (kg)
* Colostrum	15%	3 treatments	17.4
Volostrum + Colostrum	3%	1.2 treatments	25.8
Volostrum	2%	1.4 treatments	24.4

*Colostrum was available from the dam for up to 24 hours. Uptake from the dam was not always adequate and some calves showed a low immunoglobulin status as measured by the ZST test. This coincided with the high mortality and requirement for the medication for calves in this group.

A nationwide study was also undertaken using over 40 farms and Colleges. More than 750 calves were involved. The trials demonstrated that Volostrum was a highly effective substitute for colostrum. Farmers commented that Volostrum calves looked healthier and were more lively. They also commented on how easy the product was to use.

Pharmaceutical Precautions:

Store in a cool, dry place. Avoid direct sunlight and moisture. The contents of one box (450g) is the dose required for one calf. Mix thoroughly before use.

Legal Category:

Complementary animal feedingstuff.

Package Quantities:

450g packs individually boxed, and 12 packs per carton.

Further Information:

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Tariff Code:

0404 1014