DIAGNOSE
PREVENT
SUPPORT

CALF CARE
SOLUTIONS

Enerlyte® Plus

Soluble, palatable + much more!





A complete rehydration supplement for calves and piglets

Shaping the future of animal health

Virbac





Young calves and diarrhoea

Diarrhoea can be caused by infection with viruses, bacteria and protozoa, or by nutritional problems. The loss of water and electrolytes through diarrhoea can have fatal consequences for the young calf.

The main dangers of dehydration to the calf are electrolyte and enzyme imbalances. These imbalances can lead to degradation of the intestinal lining that disrupts the calf's ability to absorb nutrients. The electrolyte and enzyme imbalance causes acidosis which then affects the circulatory and metabolic systems, which can be fatal.

A major financial and emotional burden

The calf rapidly loses water, electrolytes and nutrients which leads to severe dehydration, acidosis, electrolyte imbalance, malnutrition and often death.

The causes are diverse and can include:

- Viruses (Rotavirus, Coronavirus, BVD)
- Bacteria (*E. coli, Salmonella* spp., *Clostridia* spp.)
- Protozoa (Cryptosporidium, *Eimeria* spp.)
- Nutrition (change of feed, vitamin and mineral deficiencies)
- Management (colostrum program, sanitation, housing, weaning, stress)

The calf has immediate needs:

- Restore electrolyte and acid-base balance
- Replacement of lost fluids
- Reversal of acidosis
- Nutritional support

As well as longer-term needs:

- Improve digestive and immune function
- Reparation and protection of the intestinal cells and mucosa
- Restore consistency of the faeces
- Stabilise and replenish the microflora of the intestinal tract

Correct the effects of diarrhoea

A scouring calf is losing valuable electrolytes and water in diarrhoea and may be depressed with diminished sucking. A healthy calf of around 50kg needs 5 litres of fluid a day, for the calf to thrive, it will require more than 10% of its bodyweight. So the key to treating the effects of diarrhoea is to rehydrate the calf as soon as possible with an effective supplement.

Catch up with fluid intake

It is suggested that scouring calves will require 1.5-2 litres of fluids up to 4 times per day

Supplement fluids don't replace fluids

Don't mix milk and electrolytes in the same feed. Electrolytes can dilute the milk, interfering with the clotting mechanism that forms curds and whey. This can increase severity of diarrhoea. Use supplements that are dissolved in water, give separate milk feeds which will help to increase the fluid intake and support the digestion of milk.

Use an effective electrolyte/nutritional supplement

As a minimum the supplement should include the recommended amounts of sodium, potassium and chloride.

Enerlyte® Plus product summary:

Indication	Stabilisation of water and electrolyte balance to support physiological digestion for use in case of risk of, during periods of, or recovery from digestive disturbance (diarrhoea)
Species	
Pack size	Box of 24 x 100 g sachets
Dose rate (calves)	 Mix 1 sachet in 2 litres of warm water  Once prepared, feed to animals immediately  Give 2 litres 2 to 3 times per days for 2 - 7 days
Recommended	Milk feeds should be given in addition to Enerlyte® Plus (at separate times). This has the added advantage of increasing overall fluid intake with no negative impact on milk enzymes.

Essential features

Enerlyte Plus® has been specially formulated to support calves with essential features to aid rehydration.

STABILISE ELECTROLYTES

Electrolytes Sodium, Potassium and Chloride within the recommended levels are key to resolving scours quickly

COMBAT ACIDOSIS

The effervescent formulation contains bicarbonate which can assist in combatting acidosis

Dissolves rapidly so it is quick and easy to prepare

RAPIDLY INCREASE FLUID INTAKE

Thanks to the vanilla flavouring, over 90% of animals consume 2 litres of Enerlyte Plus feed within 30 seconds

DELIVERS ENERGY

Contains lactose and glycine that supports the efficient absorption of sodium and water

Lactose stimulates the activity of lactase which is essential to convert milk into energy

HELPS STABILISE AND PROTECT GUT FLORA

Contains Enterococcus faecium (probiotic) protected by Capsibac™ technology ensuring that the probiotic safely reaches the intestine, reseeds the digestive flora and multiplies rapidly, forming a natural barrier against pathogens

HELPS REGAIN NORMAL FEEDING AND FAECAL CONSISTENCY

Whey powder promotes the ability to digest milk, so there is no requirement for a transition back to milk after the scours outbreak; whilst the addition of rice and carob flour absorb and bind fluids, stabilising the effects of diarrhoea

HELPS PROMOTE IMMUNITY

Contains carob, selenium and vitamin E, powerful antioxidants that help to protect the intestinal mucosa and promote immunity

COMPOSITION: Lactose, sodium bicarbonate, whey powder, sodium chloride, potassium chloride, rice flour, carob powder. ADDITIVES per kg: Nutritional Additives (Vitamin and similar additives) - 3a700 Vitamin E 250 UI (Compounds of trace elements) - 3b8.11 Selenomethionine 1.2 mg (1 sachet provides 0.12mg Se). Zootechnical Additives: (Gut flora stabilisers / microorganism) - 4b E1705 / E1705 Enterococcus faecium NCIMB 10415 5x1010 CFU. **ANALYTICAL CONSTITUENTS:** Crude protein 5.4%, Crude fibre 0.7% (remove cellulose), Crude oils and fats 0.5%, Crude ash 19%, Total Sugars 73.84%, Sodium 4.82%, Lysine 0.09%, Methionine 0.02%, Potassium 1.6%, Sodium chloride 6.9%, Bicarbonates 9.7%, Citrates 7.7%.

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