

# Enerlyte® Plus

**Soluble,  
palatable** **+** *much /  
more!*



- Effervescent, flavoured formula for easy mixing and excellent palatability
- Probiotics reseed the gut microflora and improves gut health
- High buffering capacity reduces metabolic acidosis (SID: 79 mmol/l)
- EU PARNUT Regulation No. 2020/354 compliant formula for quality and consistency

# Digestive disturbance (diarrhoea) in calves

## ■ 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:

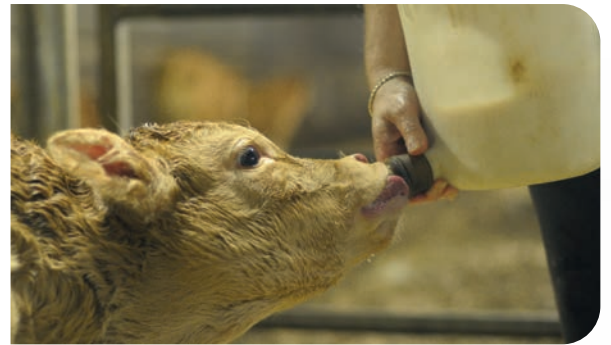
- Viruses (Rotavirus, Coronavirus, BVD)
- Bacteria (*E. coli*, *Salmonella* spp., *Clostridia* spp.)
- Protozoa (*Cryptosporidium*, *Eimeria* spp.)
- Nutrition (change of feed, vitamin and mineral deficiencies)
- Management (colostrum program, sanitation, housing, weaning, stress)

## ▶ 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 stools
- Stabilise and replenish the microflora of the intestinal tract



## ■ 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.		

## ■ Know the quality of your electrolyte supplement!

Enerlyte® Plus meets the latest European Union PARNUT regulation (EUCR No. 2020/354) governing the composition and characteristics of feedstuff for particular nutritional purposes, as well as the established reference ranges of rehydration products for scouring calves (Smith 2009).

Parameter	Recommended Range (mmol/l)	Enerlyte® Plus (mmol/l)
Sodium (Na <sup>+</sup> )	90 - 140	123
Potassium (K <sup>+</sup> )	10 - 30	22
Chloride (Cl <sup>-</sup> )	40 - 80	66
SID* Buffering Capacity	60 - 80	79

\* Strong Ion Difference

## ■ Designed for rapid and complete recovery!

The additional components contained in Enerlyte® Plus are necessary for the rapid and complete recuperation of calves suffering from digestive disturbances (diarrhoea).

### Effervescent formulation

Rapidly dissolving formula

- Easy preparation for farmers
- Reduce the risk of contamination

### Vanilla flavoured

Increases palatability

- Rapid and complete intake by calves for better compliance
- Over 90% of animals consume the 2 L feed within 30 seconds

### Contains Probiotics

*Enterococcus faecium* reseed the gut microflora and improve gut health

### Lactose

Required for efficient absorption of sodium and water

- Provides nutritional support
- Lactose stimulates activity of lactase, required to convert milk into energy

### Selenium and Vitamin E

Powerful antioxidants

- Required to overcome deficiency
- Promotes immunity and protects cellular integrity

#### References

EUCR No. 2020/354 COMMISSION REGULATION (EU) as of 4th March 2020. Smith, G.W., 2009. Treatment of Calf Diarrhea: Oral Fluid Therapy. Veterinary Clinics of North America: Food Animal Practice, 25(1), pp.55-72. Wingertzahn, M.A., Teichberg, S. & Wapnir, R.A., 2001. Stimulation of non-sodium-dependent water, electrolyte, and glucose transport in rat small intestine by gum arabic. Digestive diseases and sciences, 46(5), pp.1105-1112. Teichberg, S. et al., 1999. Effect of gum arabic in an oral rehydration solution on recovery from diarrhea in rats. Journal of pediatric gastroenterology and nutrition, 29(4), pp.411-417. Hefnawy, A.E.G. & Tórtora-Pérez, J.L., 2010. The importance of selenium and the effects of its deficiency in animal health. Small Ruminant Research, 89(2-3), pp.185-192. Hidiroglou, M., 1989. Mammary transfer of Vitamin E in dairy cows. Journal of Dairy Science, (72), pp.1067-1071. Rosil, L., et. al. 2002. The use of carob flour in weaning foods and their influence on the performance and health of piglets. Journées de la Recherche Porcine, 34, pp.99-101.

# Calf Care Solutions



Virbac offers a range of products for optimal calf health management

## DIAGNOSE



### Speed V-Diar 4™

An all-in-one solution for simple, rapid and accurate identification of the main causative agents of neonatal calf scours under field conditions.

- Rotavirus
- Coronavirus
- *Cryptosporidium parvum*
- *E. coli* F5 (K99)



## PREVENT



### Bovigen® Scour

- Broad spectrum scour vaccine: rotavirus, coronavirus, *E. coli* F5 (K99)
- 1-shot: 3 ml intramuscularly, 3 months to 3 weeks before calving
- Dual-phase adjuvant: rapid and long-lasting immune response

### Kriptazen®

- A non-antibiotic, halofuginone based cryptosporidiostatic medicine
- Licensed for newborn calves, to prevent or reduce diarrhoea, caused by *Cryptosporidium parvum*
- Supplied with an innovative, exclusive dosing pump. Weight graduated from 20kg to 60kg, enabling precise administration and reducing the risks of over-dosage



## SUPPORT



### Multimin™

- Combined trace mineral injection containing Zinc, Copper, Manganese and Selenium
- Designed to boost trace minerals during high demand periods in the production cycle e.g. birth
- Shown to improve calf immunity and reduce cases of diarrhoea and pneumonia<sup>8</sup>



### Enerlyte® Plus

- Complete re-hydration supplement
- Easy to use and highly palatable effervescent powder
- Reduces acidosis and provides energy, lactic acid bacteria, Selenium and vitamin E



## Product Information

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 5x10<sup>10</sup> 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%.

**Kriptazen** 0.5 mg/ml oral solution for calves contains halofuginone. UK: [POM-V] IE: [POM]. **Bovigen Scour** emulsion for injection for cattle contains inactivated antigens: Bovine rotavirus strain TM-91, serotype G6P1, Bovine coronavirus strain C-19, *Escherichia coli* strain EC/17 (F5 / K99 antigens). UK: [POM-VPS] IE: [POM]. **Multimin** solution for injection for cattle contains, Zinc, Copper, Manganese and Selenium. UK: [POM-V] IE: [POM].

Further information is available from the product SPCs or from: Virbac Ltd. Woolpit Business Park, Windmill Avenue, Woolpit, Bury St. Edmunds, Suffolk IP30 9UP. Tel: +44 (0) 1359 243243 UK: E: [enquiries@virbac.co.uk](mailto:enquiries@virbac.co.uk) W: <https://uk.virbac.com> IE: E: [enquiries@virbac.ie](mailto:enquiries@virbac.ie) W: [www.virbac.ie](http://www.virbac.ie)  
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