

FOR ANIMAL TREATMENT ONLY

BIOCALF™ PLUS

A supplementary solution to provide extra energy and minerals to replace nutrient losses in calves after stress or digestive upsets. Contains ingredients to restore correct gut pH, promote correct microflora and contains a gelling agent to maintain gut hydration.

ACTIVE CONSTITUENTS

Grams per 2 litre dose:

Dextrose 47.6, lactose 45, potassium chloride 4, sodium chloride 6, trisodium citrate 2.9, alanine 1.4, sodium acetate 4, sodium bicarbonate 3.5, glycine 2.2, monosodium phosphate 3.5, Guar gum 7, Bovine Boost 0.3

Ingredients in solution

Glucose	120 mmol/L
Lactose	63 mmol/L
Sodium	128 mmol/L
Potassium	27 mmol/L
Chloride	78 mmol/L
Bicarbonate	20 mmol/L
Acetate	24 mmol/L
Citrate	6 mmol/L
Glycine	15 mmol/L
Phosphate	5mmol/L
Total	493mmol/L

ACTIONS AND FEATURES

Supplies an immediate boost of energy from glucose, plus sustained energy from lactose and guar gum. The balance of energy with sodium, potassium and glycine ensures rapid absorption of minerals and water. The pH balance is restored by the alkalizing agent's bicarbonate, citrate and acetate. Alanine and glycine are amino acids that assist with the absorption of glucose. Guar gum, a gelling agent, is a galactomannan polysaccharide that has thickening and stabilizing properties which increase the viscosity of the solution to slow down the passage of fluids, maintaining gut lumen hydration and increasing the absorption of water and minerals. Inclusion of Bovine Boost provides a total 4.95 billion cfu from five strains of micro-encapsulated beneficial bacteria, *Lactobacillus acidophilus*, *Lactobacillus faecium*, *Bifidobacteria longum*, *Bifidobacteria thermophilum*, *Bacillus Subtilis* and 2.5 billion cfu of *Saccharomyces cerevisiae* live yeast which promotes correct gut microflora plus digestive enzymes: *Protease*, *Amylase*, *Cellulase*, *Lipase* and *Pectinase* to assist with the digestive process.

TREATMENTS

Users must take due care. Animals which are weak and unable to rise and are unable to suckle, and/or with severe dehydration will require veterinary attention for intravenous fluid replacement.

PREPARING THE SOLUTION

Dilute the contents of one sachet or one scoop (130grams) of Biocalf Plus with 2 litres of warm (37°) water. Stir until contents are suspended. Do not mix with milk.

Use the table below to determine the frequency of feeding for calves suffering from stress or digestive disorders or as a preventative supplement after being stressed from transport or feed changes.

Condition	Calf weight	L/feed	Feeds/day
Mild	Under 55kg	2L	2-3
Mild	Over 55kg	2L	3-4
Moderate	Under 55kg	2L	3-4
Moderate	Over 55kg	2L	4-5

Feeding milk or milk replacer should continue, by alternating feeds of milk and **BIOCALF™ PLUS** solution allowing 2-3 hrs between feeds. Total litres fed per day can be reduced by half after 48hrs or once calf has responded.

WITHHOLDING PERIODS

Milk: Nil

Meat: Nil

ADMINISTRATION

Administer orally by drinking or via stomach tube when required. Prepared solution must be consumed promptly or refrigerated. Use within 24hrs of mixing.

REGULATORY INFORMATION

WARNING: Causes eye irritation. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if possible. If eye irritation persists, get medical advice.

KEEP OUT OF REACH OF CHILDREN

STORAGE

Store in a cool dry place.

This product is an oral nutritional compound compliant with the ACVM Act 2011 S2

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