



Rapidly...

# VetreLYTE™ -ZB

Healthy Calves. Healthy Cows.™

## WHY VetreLYTE-ZB ELECTROLYTE?

VetreLYTE-ZB is an oral, non-antibiotic energy, electrolyte and vitamin supplement for calves, foals, lambs, kids and crias. A Zero-Bicarbonate (ZB) formulation designed exclusively to comply with the latest recommendations in veterinary research. Convenient formulation with both isotonic and hypertonic mixing rates.

## THE VetreLYTE-ZB DIFFERENCE

- ▶ Formulated based on current veterinary research and manufactured using innovative ingredients
- ▶ Tried, tested and proven across AUS
- ▶ Unsurpassed product quality, performance and on-farm infant animal rearing support
- ▶ Endorsed by leading professionals and specialists
- ▶ Available exclusively from veterinarian clinics nation wide

## BENEFITS

- ▶ **Application** – convenient formulation with both isotonic and hypertonic mixing rates
- ▶ **Performance** – balanced formulation; quicker response and turnaround observed
- ▶ **Price** – exceptional value versus other commercial alternatives



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# THE VetreLYTE-ZB DIFFERENCE

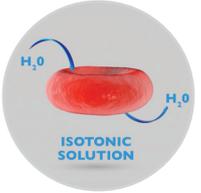
**VetreLYTE-ZB** is an oral, non-antibiotic energy, electrolyte and vitamin supplement for calves, foals, lambs, kids and crias; formulated exclusively to comply with the latest recommendations in veterinary research:



## ZERO-BICARBONATE FORMULATION

Although all alkalising agents have similar effects, acetate has several advantages over bicarbonate:

1. Acetate helps sodium and water to be absorbed in the small intestine but bicarbonate does not;
2. Acetate is a source of energy but bicarbonate is not;
3. Acetate will not alkalize (raise the pH) in the abomasum or true stomach whereas bicarbonate will (i.e. creates an environment which may encourage the overgrowth of pathogenic bacteria in the small intestine);
4. Acetate does not interfere with milk whereas bicarbonate is known to interfere with milk curd formation.



## ISOTONIC SOLUTION

Commercial electrolyte preparations vary in the amount of particles dissolved in the solution. Most products are “hypertonic” containing a very large amount of glucose in the preparation. This will draw water out of the intestine, instead of into it, in order to equalize osmolarity on both sides of the intestine.

In contrast, “isotonic” solutions have a similar amount of particles in the solution as is normally found in the bloodstream. This prevents water being drawn out of the intestine after ingestion.

Consequently, isotonic solutions provide a better option for restoring lost fluids and electrolytes for routine use.



## STRONG ION DIFFERENCE (SID)

“Strong ion theory” encourages the use of products that deliver an excess of strong cations (sodium and potassium) relative to the concentration of strong anions (chloride) in order to help correct a portion of the acid-base balance in the blood.

While most over-the-counter commercial products fall well short of the required SID range, all ProviCo electrolyte formulations (including VetreLYTE-ZB) comply with SID recommendations, providing a balanced formulation to address acid-base balance.



## EXCEPTIONAL VALUE FOR MONEY

VetreLYTE-ZB powder provides up to 40% more doses per kg than other commercial electrolyte powders. Veterinarian and farmer feedback confirms VetreLYTE-ZB provides application, performance and price benefits.

Do the math, make the switch, and benefit from VetreLYTE-ZB.

## DIRECTIONS FOR USE

### MIXING RATES

**Isotonic Solution:** dissolve 60g (1 heaped measuring cup) of powder in 2L of warm water (40°C).

**Hypertonic Solution:** Dissolve 80g (1.5 measuring cups) of powder in 2L of warm water (40°C).

### FEEDING RATES

Refer to product label and feed according to veterinarian instructions.

### BEST RESULTS

As a supportive measure during times of disease, stress, ill-thrift and gastric upset add **FortiMILK® GREEN** to all electrolyte feeds.

### PACKS

2kg, 4kg, 10kg and 20kg Pails

### ESI & WITHHOLDING PERIODS

NIL

### DOES NOT CONTAIN RESTRICTED ANIMAL MATERIAL

**VetreSTART®**

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