



BLUELITE®
Replenish^M
by TechMix For Calves

A Liquid Oral Rehydration Solution For Calves

Calf diarrhea or scours continues to be a major health problem in calves less than 2 months of age. When treating calves with diarrhea, the use of oral rehydration products are an important tool for calf raisers. Five important goals for treating diarrhea are: correcting dehydration, correcting acidosis, correcting electrolyte abnormalities (Na, K, Cl), reversing negative energy balance and preventing the growth of pathogenic bacteria. BlueLite® Replenish^M is a palatable liquid buffered calf electrolyte formulated for the scouring calf. Providing oral rehydration with a preferred alkalinizing agent - help replenish lost nutrients during scours with BlueLite Replenish^M - for calves!

KEY FUNCTIONAL COMPONENTS: Glucose, Electrolytes, Sodium Acetate, Glycine & Betaine

REPLENISH FEATURES & BENEFITS:

FEATURES	BENEFITS
Meets recommendations of oral rehydration product (Dr. Geof Smith, NCSU)	
Contains 3 recommended alkalinizing agents	<ul style="list-style-type: none"> • Facilitate Sodium absorption • Produces and provides energy • Maintains a low abomasal pH to decrease incidence of infection and clinical disease
Sodium Acetate	<ul style="list-style-type: none"> • Preferred alkalinizing agent in this type of product
Therapy for sick calves	
A palatable liquid buffered calf electrolyte	
Nutrient Dense Liquid Concept* - provides ease of administration	<ul style="list-style-type: none"> • No mixing required • Position stable - no stratification • Eliminates powder caking issues • Reduces labor

* Nutrient Dense Liquids - are a new product category for TechMix. These products are liquid form, and deliver nutrients through water application.



WHEN TO USE

- Scouring calves - Recommended for use during all stages of scours
- Calves slow to drink milk
- Signs of weakness and stress
- Multiple rehydration uses

DIRECTIONS FOR USE

Provide 100 ml of liquid BlueLite Replenish^M into every 2 liters of water (preferably warm) consumed on a daily basis.

Or provide 50 ml of Replenish^M with each milk feeding (morning and evening).

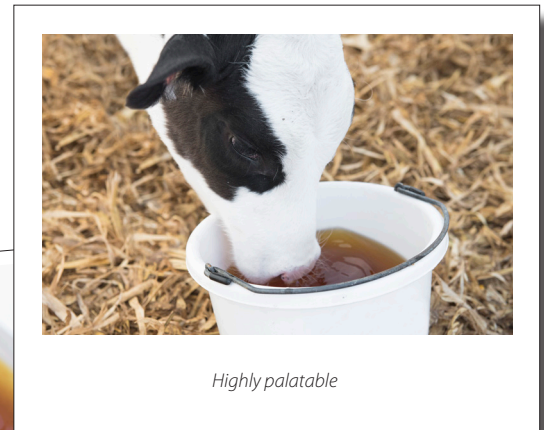
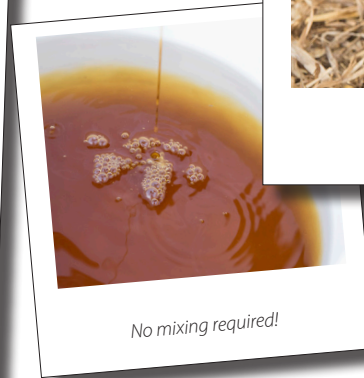
In all feeding situations provide fresh water on a free-choice basis. Continue feeding BlueLite Replenish^M as necessary.

AVAILABLE PACKAGE SIZES -

- 1.1 liter jar
- 5 liter jug

APPLICATION TIPS

- ✓ Remove the cap on the self measuring chamber side of the jug
- ✓ Squeeze jug to fill chamber to 50 ml, do this twice to provide 100 ml to calf
- ✓ Shelf stable, ready-to-use, no mixing required



Dr. Geof Smith, DVM, PhD, Diplomate ACVIM, College of Veterinary Medicine, North Carolina State University, has focused his career around clinical medicine of ruminants with a specific focus on calf health. As a current faculty member at North Carolina State University (NCSU), he is a Professor of ruminant medicine, and long-time industry expert - focusing his clinical and research interests on calf health.

REPLENISH[™] FOLLOWS THE CALF ELECTROLYTE PARAMETERS OUTLINED BY DR. GEOFF SMITH

	Sodium (mMol/L)	Potassium (mMol/L)	Chloride (mMol/L)	Strong Ion Difference (mMol/L)	Alkalinizing Agent (mMol/L)	Aminoacid	Total Osmolality (mMol/L)
NC State (Dr. Geof Smith's Recom.)	90 to 130	10 to 30	40 to 80	60 to 80	Acetate 50 to 80	Glycine	400 to 600

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REDEFINING HYDRATION