Calf diarrhea or scours continues to be a major health problem in calves less than 2 months of age (NAHMS Dairy Study). 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 is the first liquid, buffered calf electrolyte on the market formulated for the severely dehydrated calf. Providing oral rehydration with a better alkalinizing agent than sodium bicarbonate - help replenish lost nutrients during scours with BlueLite Replenish - for calves!

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

**REPLENISH FEATURES & BENEFITS:**

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>BENEFITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meets recommendations of oral rehydration product (Dr. Geof Smith, NCSU)</td>
<td>Facilitate Sodium absorption</td>
</tr>
<tr>
<td>Contains 3 recommended alkalinizing agents</td>
<td>Produces and provides energy</td>
</tr>
<tr>
<td>Sodium Acetate</td>
<td>Maintains a low abomasal pH to decrease incidence of infection and clinical disease</td>
</tr>
<tr>
<td>Therapy for sick calves</td>
<td>Better alkalinizing agent than Sodium Bicarbonate</td>
</tr>
</tbody>
</table>

**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**

1 Gallon Jug:
Provide 120 ml or 4 fluid ounces of liquid BlueLite Replenish into every 2 quarts of water or milk consumed on a daily basis. In all feeding situations provide fresh water on a free-choice basis. Continue feeding BlueLite Replenish as necessary.
- 32 doses per gallon jug

Single Dose:
Add entire bottle (4 oz) into every 2 quarts of water or milk consumed on a daily basis.

**AVAILABLE PACKAGE SIZES - CONTROL NUMBER**

1 gallon jug 21421-785
4 oz Bottle 21421-783
12 bottles per case

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

✓ If using a dosing gun, be sure to set the dial to 60 ml or cc. Requires two pulls.
✓ If using a dosing gun, be sure to allow air to flow through container when administering product to ensure ease of use.
✓ Shelf stable, ready-to-use, no mixing required
✓ Applicator/dosing guns are available for a limited time with your initial BlueLite Replenish order. If interested, please call 877-466-6455.

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 SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>Sodium (mMol/L)</th>
<th>Potassium (mMol/L)</th>
<th>Chloride (mMol/L)</th>
<th>Strong Ion Difference (mMol/L)</th>
<th>Alkalizing Agent (mMol/L)</th>
<th>Glycine (mMol/L)</th>
<th>Total Osmolality (mMol/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC State (Dr. Geof Smith’s Recom.)</td>
<td>90 to 130 (120 best)</td>
<td>10 to 30</td>
<td>40 to 80</td>
<td>60 to 80</td>
<td>Acetate 50 to 80</td>
<td>20</td>
<td>400 to 600</td>
</tr>
<tr>
<td>BlueLite® Replenish (TechMix)</td>
<td>123</td>
<td>28</td>
<td>71</td>
<td>79</td>
<td>Acetate (59 mMol/L) &amp; Sodium Propionate (21mMol/L)</td>
<td>20</td>
<td>425</td>
</tr>
</tbody>
</table>