When scouring events occur...

Count on Mom.

Delivering a synergy of mom's bioactives with researched electrolyte technology, new Replenish Ab+ accelerates a calf's ability to overcome scours events. Replenish Ab+ leverages the power of colostrum from our BioFx™ innovation bank, to support gut balance and brings electrolyte correction to the scouring calf.

BLUELITE®
ReplenishAb+
by TechMix

Replenish Ab+ delivers bioactive compounds from colostrum along with nutrients necessary to overcome scours.

The rich and diverse bioactive components from colostrum are beneficial for more than just passive immunity; they offer numerous benefits in supporting enteric challenges.

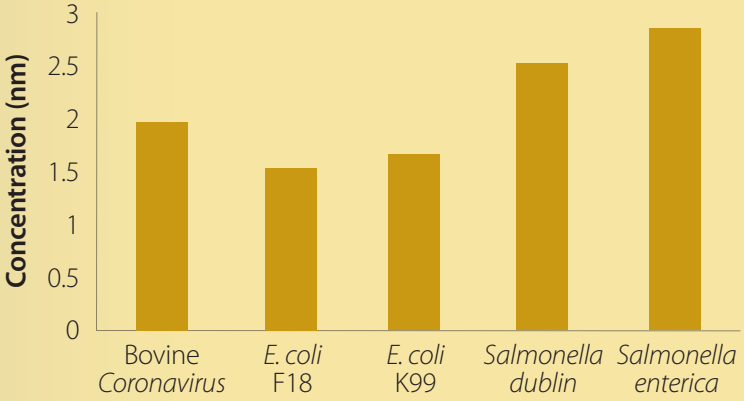
Scours remains a leading health challenge, affecting more than 50% of all calves and contributing to very significant losses. Prompt and effective intervention is crucial to mitigating the severity of scours. Replenish Ab+ is the only product that leverages the power of maternally-derived bioactives with our proven BlueLite Replenish[M] technology, designed specifically for the needs of the scouring calf.

*The 7 Factors in colostrum that combat scours**

Colostrum BioActive	Benefit to the GI Tract
Immunoglobulins	Bind to pathogens on the antigen binding site of intestinal mucosa.
Lactoferrin	A bioactive protein found to prevent sepsis in calves that directly inhibits *E. coli* and *Salmonella*.
Lactoperoxidase	Inhibits bacterial proliferation through suppression of oxidation of protein groups
Lysozyme	Hydrolyzes the beta 1-4 linkages in gram negative cell walls causing cell lysis
Neutrophils/macrophages	Directly inhibits gram negative bacteria (phagocytosis)
Cytokines	IL-6, IL-B, TNF alpha, INF-y immune cell regulators and anti-inflammatory molecules
Oligosaccharides	Inhibit the binding capacity of pathogens like E. coli and rotavirus so they can't bind the intestinal epithelium.

**Carter, et al., Animals, 2021*

*Replenish Ab+ antibody activity**



**Independent laboratory results. Internal data on file.*

Stop Accepting Less.
Take your electrolyte program beyond the accepted… with Replenish Ab+

Analytical testing of Replenish Ab+ demonstrates antibody activity, indicating protection against some of the leading causes of scours in calves.

Replenish Ab+ revolutionizes scouring calf rehydration. Stop accepting less from your electrolyte protocol.

Replenish Ab+ meets all the recommendations for the scouring calf, plus the addition of maternally derived bioactive compounds

	Sodium (mMol/L)	Potassium (mMol/L)	Chloride (mMol/L)	Strong Ion Difference (mMol/L)	Alkalinizing Agent (mMol/L)	Glycine (mMol/L)	Total Osmolality (mMol/L)
Veterinary Researched Recommendations*	90 to 130	10 to 30	40 to 80	60 to 80	Acetate 50 to 80	20	400 to 600
Replenish™ Ab+	90	30	59	61	Acetate (59 mMol/L) & Sodium Propionate (21mMol/L)	20	500

**Smith, G. W., Vet. Clin. North Am. Food Anim. Pract., 25, pp. 55-72. 2009.*

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