



CALF MOS PLUS



Single Source of Quality Glucomannans and Essential Oils for Calves



CALF MOS PLUS is a water suspendable prebiotic blend derived from the cell wall of *Saccharomyces cerevisiae* together with essential oils from capsicum, oregano and cinnamon.

CALF MOS PLUS is used in milk replacer or whole milk fed to calves to maintain a healthy gastro intestinal tract.

The polysaccharides obtained from the yeast cell wall consist of glucans, mannans, quitines and galactans. The glucans are a group of d-glucose polymers with glycosidic linkages and 1, 3 and 1, 6 bonds. In *CALF MOS PLUS* the prebiotic effect of the glucomannans are enhanced by the inclusion of Essential Oils (Capsicum, Oregano and Cinnamaldehyde).

Quality Control.

The Old Mill Troy recognizes that product quality is critical to ensuring consistent and repeatable animal performance results. *CALF MOS PLUS* is produced under strict quality control measures with full traceability.

CALF MOS PLUS comes from a single fermentation site, using a single strain of *Saccharomyces cerevisiae*, thereby providing a stable and consistent source of glucomannans. Analyses are routinely undertaken to minimize any variation in glucan and mannan contents.

Consistency equals Repeatability.

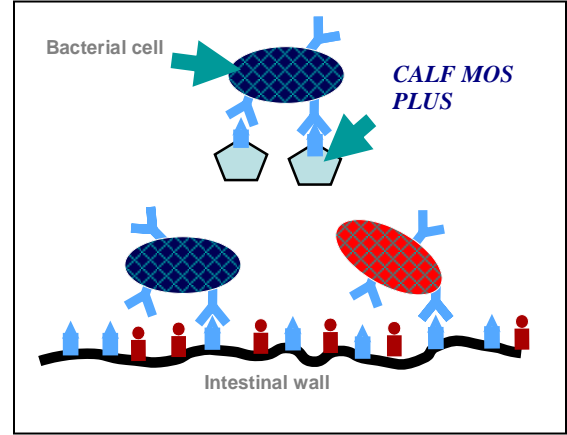
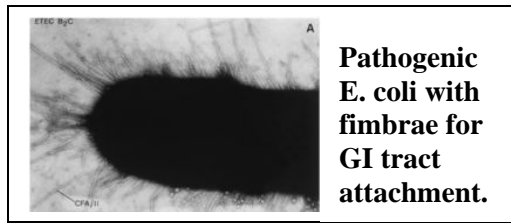
Benefits of *CALF MOS PLUS*.

- 1) Demonstrated to have greater pathogen binding capacity. The result is fewer pathogens colonize the gastro-intestinal tract, thereby maintaining a healthier gut ecosystem.
- 2) Beneficial modulation of the immune system, resulting in increased Immunoglobulin synthesis, improved and more persistent titer levels post vaccination.
- 3) Improved animal performance. Less energy spent repairing the gastro-intestinal tract and dealing with the stress induced by pathogen proliferation.

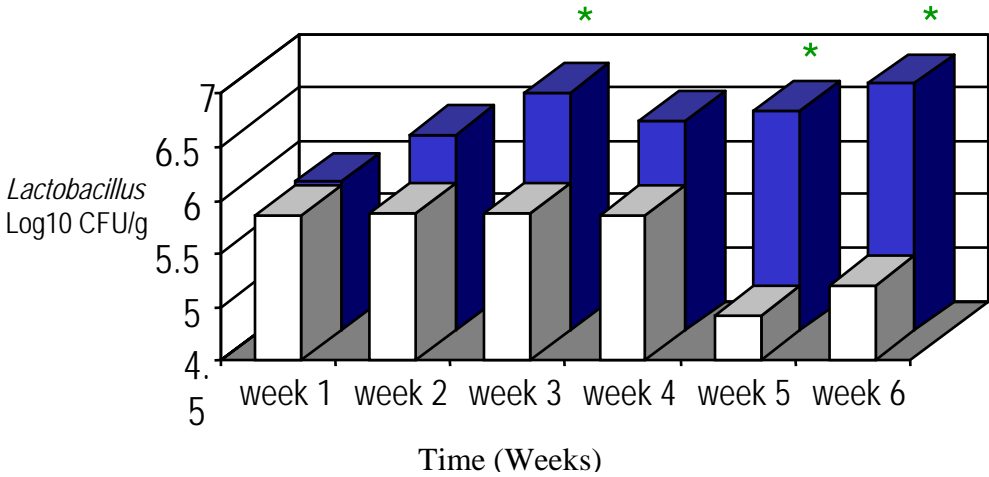
4) Improved gut health results in longer villi and thinner gastro-intestinal membranes. This provides a greater surface area for nutrient absorption and less of a barrier to nutrients entering the blood flow from the gut.

Animal Health equals Profitable Growth

A number of enteric pathogens have mannose binding fimbrae which are used to attach to the gut villi. **CALF MOS PLUS** acts as a decoy upon which these pathogens attach and are flushed from the GI tract.



Effect of the **essential oils** on increasing Lactobacillus in the gut of calves fed milk replacer. (LIBA, University of Leeds, Leeds, United Kingdom, 2001). * P<0.05



- Features of CALF MOS PLUS.**
1. An all natural product that is GMO free.
 2. No withdrawal period required.
 3. Flexible application.
 4. An effective prebiotic.
 5. Palatable.

Use Rate.

CALF MOS PLUS is mixed into the milk replacer or whole milk prior to feeding unweaned calves.

Inclusion Rate /head/day

Dairy Calves: Add **CALF MOS PLUS** to the Whole Milk or Milk Replacer such that each animal receives 10 grams per head per day.

10 grams or one third ounce

For best results; divide the recommended feeding rate by the number of feedings to be fed each day. For example, calves fed 2 times a day should receive 5 grams per head per feeding.

Available in: 10 lb pails and 50 lb heat sealed bags.