

Barentz.

YeaMOS

A purposely grown yeast cell wall

What is YeaMOS?

YeaMOS is from a global leader in yeast biotechnology:

Angel Yeast is one of the world's largest producers of high-quality yeast and yeast derivatives for food and nutrition & health. Angel Animal Nutrition division has partnered with Barentz North America, LLC to deliver these high-quality products to the US market

Natural source of mannans and β -glucans!

Agglutinate Pathogens

The mannan oligosaccharides of YeaMOS have a high affinity for specific binding arms of the structure of some pathogenic bacteria (see Figures 1 & 2) and can prevent bacterial adhesion to the intestinal epithelial cells. This ability of MOS to bind pathogenic bacteria and to be discharged from the body, selectively allows commensal bacterial growth thus optimizing microbial balance and gut health.

Figure 1. *in vitro* absorptibility of Salmonella spp by YeaMOS.

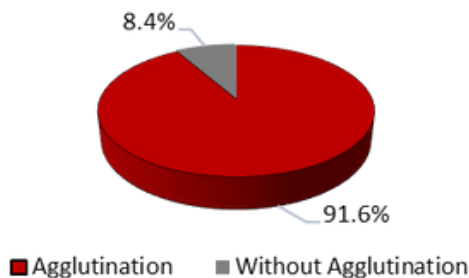
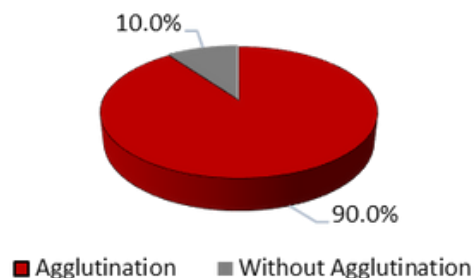


Figure 2. *in vitro* absorptibility of E. Coli of YeaMOS



Acts as a Biological Absorbent to help Ameliorate Feed Toxins

The specialized structure of YeaMOS provides binding sites for a variety of toxins. The molecular architecture of YeaMOS allows tight polysaccharide-toxin complexes to form, reducing the intestinal absorption of many feed toxins and limiting their harmful effects.

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Enhances Immunomodulatory Functions

The β -glucan component of YeaMOS modulates the immune cascade (without over-stimulation) by interacting with key immune cells, including macrophages, dendritic cells, and neutrophils, leading to increased production of cytokines (interleukins, etc.) that induce specific and non-specific immune response. This comprehensive stimulation of the immune system prepares the body to better fight against infection and/or disease.

Research Proven Performance Benefits of feeding YeaMOS:

- Optimizes gut microbial balance and immunity
- Aids in times of stress
- Optimizes average daily gain and feed efficiency

Recommended Inclusion Rate YeaMOS:

Swine: Nursery Pigs: 2.0 to 4.0 lbs./ton Grow/Finish Pigs: 2.0 to 3.0 lbs./ton Sows: 2.0 to 3.0 lbs./ton
Poultry: Broiler: 0.5 to 2.0 lbs./ton Layer: 1.0 to 3.0 lbs./ton
Ruminants: Lactating cows: 10 to 20 g/day Calves: 2.0 lbs./ton

Specifications:

- Ingredient: Yeast Extract (*Saccharomyces cerevisiae*)
- 25 kg bags
- Shelf-life: 24 months