

What is Mycolactor?

A dry, direct-fed, microbial probiotic feed additive for poultry, containing *Bacillus subtilis* and *Bacillus licheniformis* spores.

Why Is Mycolactor Important?

Bacillus subtilis and *Bacillus licheniformis* are gram positive bacteria that produce several beneficial enzymes (Amylase, Glucanase, Galactosidase, Phytase & Xylanase) and polypeptide antibiotics (Bactracin). Bacilli inhibit *Salmonella enterica*, *Escherichia coli* and *Clostridium perfringens* (cause of necrotic enteritis).

Mode of Action

- Competitive inhibition of pathogenic bacteria
- Production of polypeptide antibiotics (Bactracin)
- Improved oxygen utilization
- Favorable intestinal environment
- Enhanced growth of beneficial bacteria

Guaranteed Analysis

Bacillus (*Bacillus licheniformis* & *Bacillus subtilis*). Not less than 50,000,000,000 cfu/g.



Directions for Use

Species	G/Mton Feed	CFU/g Feed
Broilers	6	3 X 10 ⁵
Layers	6	3 X 10 ⁵
Turkeys	6	3 X 10 ⁵

Product Stability

- Heat stable for pelleting process (200 F/94C)
- 24 month expiration date
- Compatible with most antibiotics

Product Evaluation

42 Day Broiler Study

Product	Weight, g	Feed Gain
Control	2121.8a	1.8780 a
Calsporin®	2174.7 b	1.8460 b
Mycolactor	2180.0 b	1.8355 b

a, b P<0.001

Calsporin® is a registered trademark of Calpis Co., Ltd, Japan

Packaging

Mycolactor is packaged in 20 or 25 kg plastic pails (twist-tie locked and sealed with a plastic lid) or 25 kg high-density, P.E. lined multi-walled paper bags.

Packaging and product has a 24 month expiration date.



Mycolactor Benefits

- Significant increase in weight gain
- Significant improvement in feed conversion
- Highest concentration of Bacillus product available
- Excellent mixing properties.
- Cost effective per CFU of Bacillus

Regulatory Status

- **Generally Recognized As Safe (GRAS)** by the United States Food & Drug Administration.
- The European Union has classified Bacillus subtilis and Bacillus licheniformis as presenting no risk to safety or health of animals, humans, or the environment.

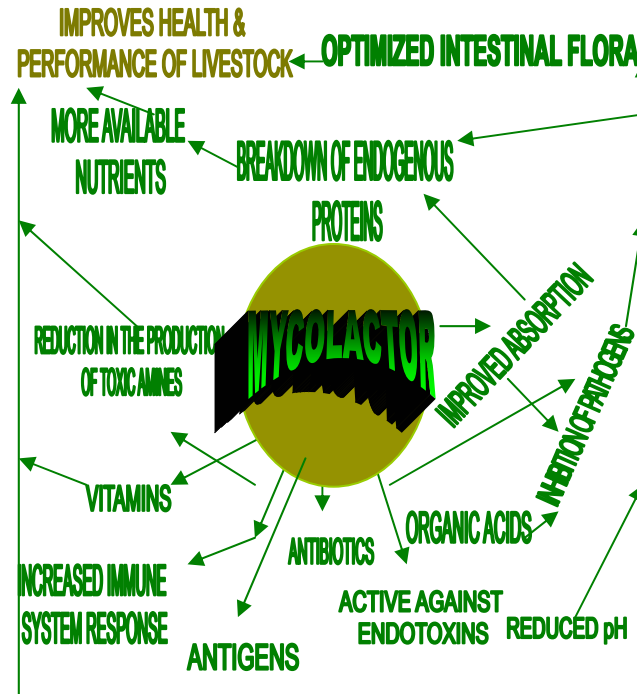
Additional Advantages

- 24 Month expiration date
- Compatible with most antibiotics

Mode of Action

Competitive inhibition of pathogenic bacteria like E. coli, Clostridium perfringens and Salmonella

- Production of polypeptide antibiotics (Bacitracin)
- Oxygen Consumption. Favorable intestinal environment
- Enhanced growth of beneficial bacteria
- Increased enzyme production
- Enhanced immune response



MYCOLACTOR DRY

100% NATURAL PROBIOTIC TECHNOLOGY



IMPROVES DIGESTIBILITY AND PROMOTES A STRONG IMMUNE SYSTEM