



# *FerMos*

MANNAN OLIGOSACCHARIDE



# Mannan Oligosaccharide

SUPPORTING THE GASTRO-INTESTINAL TRACT

# FerMos

## MANNAN OLIGOSACCHARIDE

FerMos is a concentrated product, supplying mannan-oligosaccharides (MOS) derived from the yeast cell wall of *Saccharomyces cerevisiae*. FerMos ensures maintenance of an optimal balance in gastro-intestinal microbiota of animals. Suitable for farmed aquatic species.

### Benefits

- Increased resilience to disease
- Improves growth performance
- Binds to pathogenic bacteria (*E. coli*, *Pseudomonas spp.*, *Staphylococcus aureus*, *Salmonella spp.*, *Shigella spp.* and *Vibrio spp.*)
- Heat-tolerant, suitable for inclusion in extruded feeds
- Concentrated product, low inclusion rate
- Free flowing, homogeneous product, easily mixed and blended into feeds



### Mannan oligosaccharide

**FerMos** contains a highly selected and processed, biologically active form of Mannan oligosaccharide (MOS).

**FerMos** works to prevent colonisation by pathogens, binding and removing them as they pass through the digestive tract. Moreover, **FerMos** heightens pathogen detection by macrophages and thereby improves the immune response of the animal.

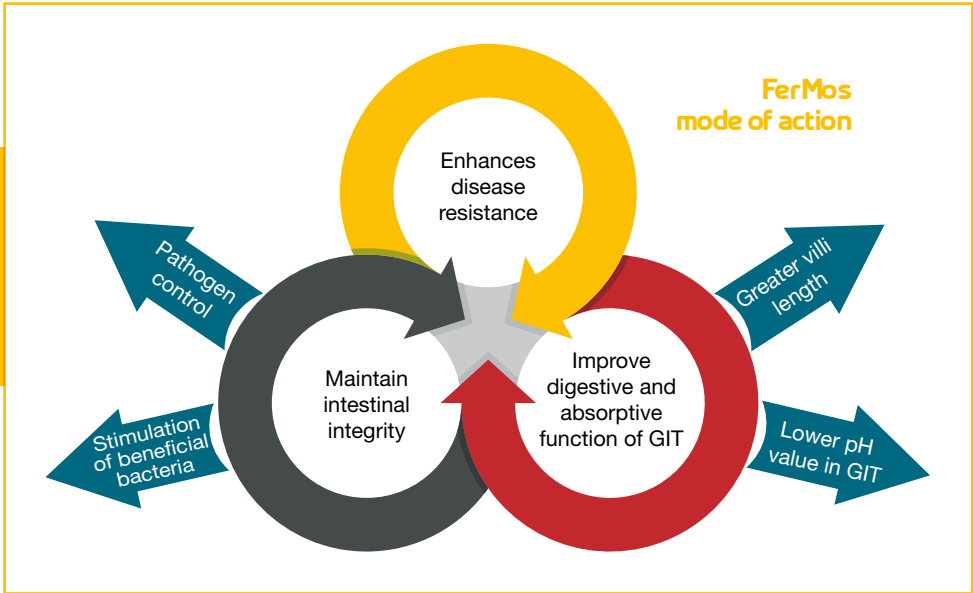
For maximum effect on pathogen colonisation and control, **FerMos** should be fed continuously.

### The Challenge

Keeping a balance between beneficial bacteria and potentially pathogenic bacteria in the digestive tract, as well as controlling the intestinal pathogens, is a major concern in ensuring optimal animal performance and health.

### Nutritional Support

Nutraceuticals play a key part in supporting the animal health and their immune system through managing GIT health and resilience.



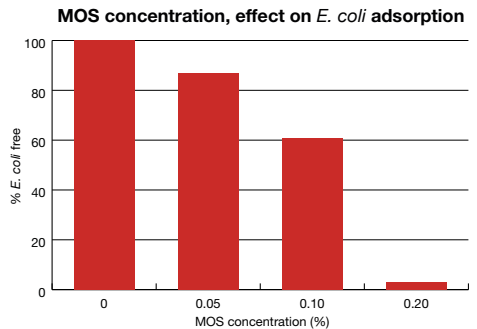
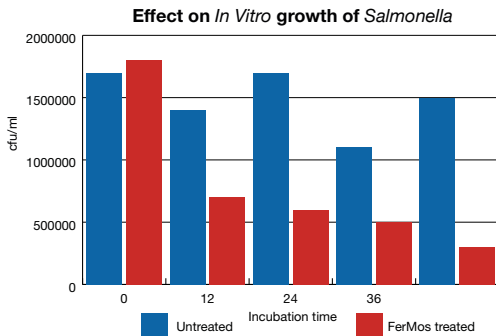
### Trialled and Tested

FerMos has been trialled on three commercial broiler units.

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The effect of FerMos on the growth of *Salmonella* (in Vitro test). See Fig. 1.

Fig. 2. shows the effect of MOS concentration (FerMos key ingredient) on *E.coli* adsorption.



# FerMos



## Ingredients:

**FerMos** is a feed material for use in animal nutrition. Contains a source of mannan-oligosaccharides derived from a yeast fermentation.



## Directions:

**FerMos** can be incorporated into all forms of finished feed without loss of activity. It can be applied in all livestock species feed between 1 – 2kg/T according to the challenge levels.

## Storage:

Store in a cool and dry area in original sealed packaging. Keep bag closed when not in use. Use within 12 months of date of manufacture.

Available in 25kg bags and 1000kg totes.

**FerMos** is only available from Micron Bio-Systems through our network of distributors.

For more information on **FerMos** and Micron Bio-Systems' range of products and services for livestock please visit our comprehensive site at:

[micronbio-systems.co.uk](http://micronbio-systems.co.uk)

## ABOUT MICRON BIO-SYSTEMS

Micron Bio-Systems is dedicated to developing cutting-edge product-based agricultural solutions and species-specific programs designed to improve animal health and performance.

**micron**  
BIO-SYSTEMS

Micron Bio-Systems Ltd  
BFF Business Park,  
Bath Road, Bridgwater,  
TA6 4NZ, UK

[micronbio-systems.co.uk](http://micronbio-systems.co.uk)

✉ [info@micronbio-systems.co.uk](mailto:info@micronbio-systems.co.uk)

☎ +44 (0)1278 427272

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