

# IMW50®

SUPPORT - SOLUTIONS - RESULTS

**MarsSyt**

An Agricultural Company  
Since 1995

## A Natural Source of Beta-Glucans and MOS

### MULTI-SPECIES

IMW50® is a product from selected yeasts (*Saccharomyces cerevisiae*), and an excellent source of proteins and mainly of functional carbohydrates,  $\beta$ -glucans and mannan-oligosaccharides (MOS), which benefit the health and integrity of the animal's intestinal tract.

### BENEFITS



#### Immunomodulation

Directly interacts with the intestinal innate immune cells.



#### Action on pathogens

Balances the intestinal tract colonization



#### Intestinal integrity

Favors the maintenance of intestinal permeability and enteric conditions.

### Guaranteed Analysis

|                         |                  |
|-------------------------|------------------|
| Beta-glucan (1-3, 1-6)  | Min. 30.0% (w/w) |
| Mannan-oligosaccharides | Min. 17.0% (w/w) |
| Crude Protein           | Min. 30.0% (w/w) |

### Dosage

|            |                    |
|------------|--------------------|
| Dairy Cows | 10-14 g/hd/d       |
| Calves     | 5-7 g/hd/d         |
| Swine      | 1-2 kg/ton of feed |
| Poultry    | 0.5 kg/ton of feed |

\*Under stress and challenging conditions, the dosage can be increased.\*

### Packaging

- 25 kg/bag and 800 kg big bag

 **ICC** Adding value to nutrition



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## Immunomodulation from Nursing to Post-Weaning

**IMW50®** is rich in  $\beta$ -glucans which strengthens the innate immune response. In weaned calves, it reduces mortality and morbidity at times of high challenge such as weaning, transport and integration into the management and sanitary challenge of a new farm. **Immunomodulation** prepares the animal to face daily challenges, avoiding excessive metabolic costs and illness and, therefore, delivers lower costs with medicines, labor and loss of animals.



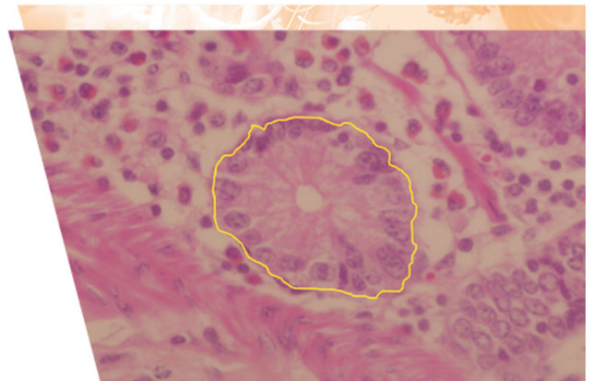
## Action on Pathogens

Pathogens with fimbria, such as *Salmonella* spp. and *E. coli*, adhere to the intestinal epithelium where they multiply and cause damage. The low-digestible mannan-oligosaccharides (MOS) of **IMW50®** prevents this adhesion since MOS agglutinates these microorganisms.



## Intestinal Integrity

**IMW50®** works to maintain intestinal integrity, preventing unnecessary metabolic expenditure, translocation of pathogens, mycotoxins and endotoxins and maintains and adequate absorptive area.



Reference: 5) Índices zootécnicos e morfometria intestinal de bovinos suplementados com a parede celular de *Saccharomyces cerevisiae*. Carvalho, JGB; 2022

