

micron
BIO-SYSTEMS



UltraCell

PROBIOTIC YEAST



Live Yeast

FOR PRODUCTIVITY AND PERFORMANCE

UltraCell

PROBIOTIC YEAST

Micron Bio-Systems' UltraCell is a live probiotic yeast, specifically selected for use in animal nutrition; supporting the gut's natural function. In poultry, its mode of action works against pathogens, inhibiting toxin production, supporting the immunity of the birds. UltraCell is available for all avian species and other animals in a mill pack form.

Benefits

- Improves gut health
- Supports immunity
- Reduces mycotoxin related losses
- Increases fertility performance
- Works fast and optimally
- Thermo-tolerant properties
- Suitable for use in organic systems



Role of Live Yeasts

When alive, yeasts can break down sugars, challenge some pathogens and mycotoxins, and also aids intestinal microbial health.

UltraCell, Micron's unique strain of live yeast, is able to control a number of metabolic pathways, in particular it has an ability to scavenge oxygen and is effective against pathogens.

The Challenge

The pressure to reduce on-farm antibiotic use in poultry has been increasing in the past decade. As this pressure has grown, we have seen a resultant drop in both prophylactic and metaphylactic antibiotic use and overall, the process has been not only successful, but very welcome. Alongside the reductions however, the industry has adapted to a changing health

and welfare situation with renewed focus on gut health and resilience, as well as a different approach to managing disease.

A bird with a healthy and resilient gastrointestinal tract (GIT) should not only suffer less from disease, but also perform better than one whose GIT is compromised. Therefore, growers are focusing on novel systems, methods and feed ingredients to optimise health and performance in poultry. In particular, a healthy GIT can help to avoid disruption from disease, ensuring energy from the diet goes into production, rather than be diverted to fighting disease.

In nature, a young bird's gut would become quickly colonised by transmission of micro-organisms from its mothers GIT. However, in modern farming this tends not to happen which creates a challenge to the grower. Therefore,



feed ingredients which include probiotic and/or prebiotic compounds can help in the process of colonisation of, and establishment of beneficial micro-organisms which help to protect the up until then, naive gut.

UltraCell is suitable for the unique characteristics of the bird gut and can be integrated safely, and easily into existing systems and diets to help improve GIT integrity, resilience and overall bird performance.

UltraCell Live Yeast

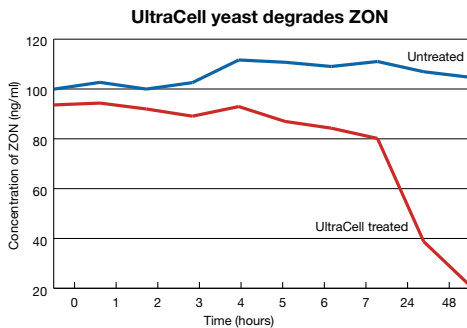
Not all yeasts are the same. Unlike most available yeasts, which are by-products of the brewing and baking industry, **UltraCell** has been specifically selected for its ability to support livestock species.

UltraCell is a young live yeast, freeze dried into a dormant state, so that it is ready to wake up and multiply as it enters the animal's gut.

Trialled and Tested

UltraCell has been proven to be effective against mycotoxins including transforming ZON and T2/HT2 into daughter metabolites. UltraCell has been shown to degrade mycotoxin ZON.

ZON is known to reduce fertility and hatchability, lower egg production and egg quality.



Probiotic Yeast



Ingredients:

UltraCell Mill Pack is a heat treated zootechnical feed additive (4b1871) that contains a concentrated source of the live yeast *Saccharomyces cerevisiae* NCYC R404 for use in animal nutrition.

Directions:

Incorporate into complete feed at a rate of 0.5 – 2 kg/tonne.

Storage:

Store in original sealed packaging in a cool, dry place below 10°C. Use within 12 months of date of manufacture.

Available in a 10kg Mill Pack format.

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

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



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UKF 0508

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