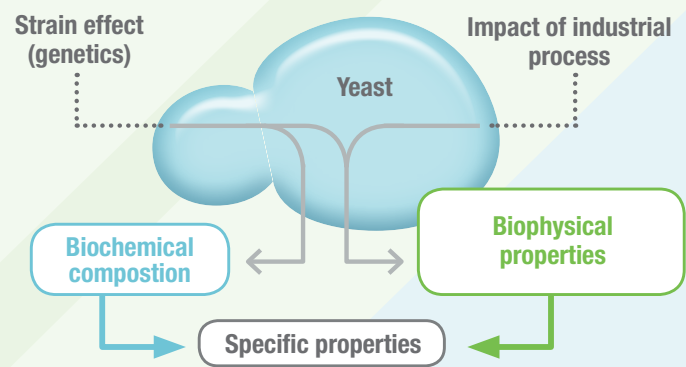


Synerggest

Registration No. 983752

DEFINITION

Synerggest, a synergistic blend yeast derivative – or inactivated whole cell yeasts or yeast cell walls – is used in all species of livestock. Researchers identified and selected three specific strains of inactivated yeast fractions, each with its own specific production process, to combine into one unique formula to create Synerggest.



RECOMMENDED USE

Synerggest inclusion rate in complete feed varies from 400 g to 800 g per ton, depending on the animal species and or its physiological state.

Consult your Lallemand Animal Nutrition representative for specific recommendations.

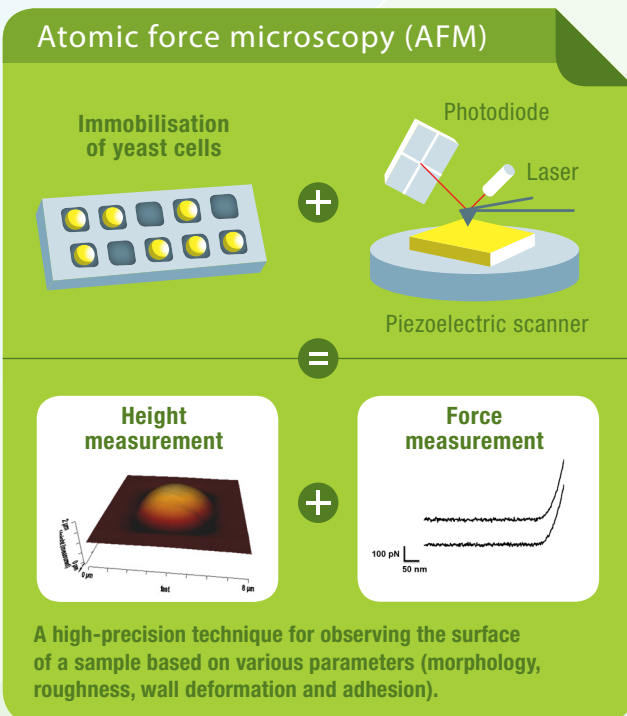
SYNCAE001
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REDEFINING PREBIOTIC PERFORMANCE

The Next-Generation Technology:

Synerggest is produced with the cutting edge techniques, including Atomic-Force Microscopy (AFM) and Single-Molecule Force Spectroscopy (SMFS) to illuminate the relationships between yeast structure and function.

Atomic force microscopy (AFM)

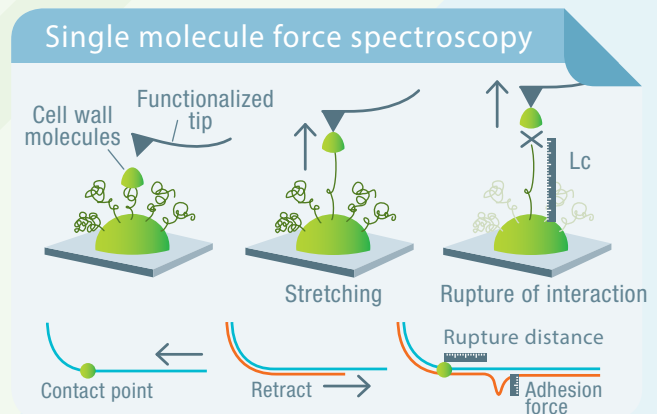


Immobilisation of yeast cells + Laser, Photodiode, Piezoelectric scanner

Height measurement + Force measurement

A high-precision technique for observing the surface of a sample based on various parameters (morphology, roughness, wall deformation and adhesion).

Single molecule force spectroscopy



Cell wall molecules, Functionalized tip, Stretching, Rupture of interaction (Lc)

Contact point, Retract, Rupture distance, Adhesion force

The tip of the microscope is 'functionalised', i.e. equipped with a particular compound which binds to the yeast wall, mimicking the interactions that occur within the digestive tract (yeast/cell, yeast/bacterium, yeast/toxin, etc.).

The use of these techniques is a powerful new tool which enables us to characterise and select strains of yeast.

The Power of Combined Yeast:

Not all yeasts are created equal, and that's why **Synerggest** includes a synergistic alliance of yeast cells that produces positive results for all livestock species.