



Alterion®

HAPPY INSIDE

WITH ALTERION®

A
CONSISTENT
MIX...

... AND
CONSISTENT
RESULTS

... WITH
CONSISTENT
ACTIONS

Adisseo probiotic solution for consistent poultry production

When it comes to consistency, nothing delivers like Alterion®. Its innovative formulation ensures a homogeneous mix. Its dual action *Bacillus subtilis* probiotic strain consistently provides good gut balance and growth performance indicators.

Alterion®, makes both poultry and industry professionals Happy Inside.



ADISSEO
A Bluestar Company



HAPPY INSIDE WITH ALTERION®

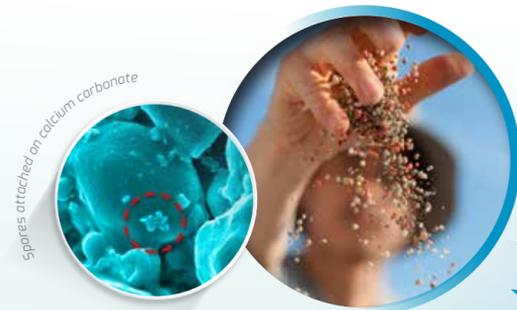
AND YOU,
ARE YOU READY
TO BE HAPPY INSIDE?

Alterion® is the result of a strong partnership between Adisseo, a leader in animal nutrition and Novozymes, the world's largest provider of microbial technologies.

Launched in 2016, Alterion® consistent features have earned the confidence of industry professionals around the world.



THE CONSISTENT PROBIOTIC



A CONSISTENT MIX...

Ensuring an homogenous blend

Alterion® contains spores of *Bacillus subtilis* DSM29784. The spore form naturally protects the bacilli from pressure, acidity and temperature. This makes Alterion® stable under harsh pelleting and gastric conditions ensuring its efficiency where it matters most: in the animal's gut.

The innovative formulation of *Bacillus subtilis* DSM29784 spores enables an homogeneous distribution of the spores when mixed with a calcium carrier. This ensures low dust, low sedimentation of the spores, no demixing and an homogeneous mix of the active agents in premixes and feed. Every time.



... WITH CONSISTENT ACTIONS

Carefully selected to provide superior safety, stability, effectiveness and function.

The active agent in Alterion® - strain *Bacillus subtilis* DSM29874 has been carefully selected to address all the characteristics that are critically important for industry professionals.

- **safety** (no antibiotic resistance genes, non hemolytic),
- **stability** under processing conditions,
- effective **balance** of the **microbial populations** of the gut,
- reinforcement of **intestinal barrier** morphology and function,
- provide **consistent results** *in vivo*.

Bacillus subtilis strain specificity affects performance improvement in broilers. Rhayat 2017, Poultry Science.

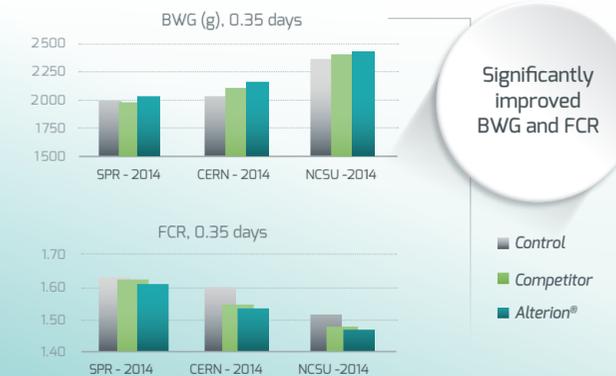


... & CONSISTENT RESULTS

In performance indicators measured in poultry livestock

Thanks to its mode of action and formulation, Alterion® provides significant and consistent improvements in performance indicators measured in poultry livestock. Alterion® also improves parameters of the animal's digestive comfort and well-being.

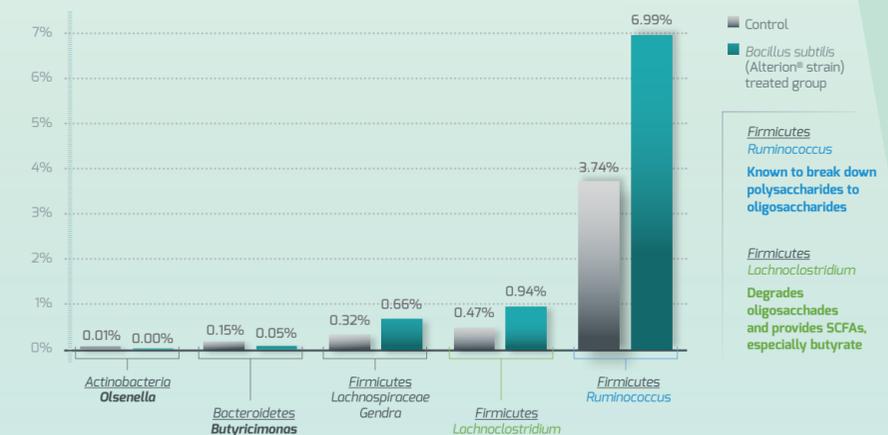
From the feet up: Profits from probiotic, JR Teyssier, E Devillard, All About Feed, feb 2018



Significantly improved BWG and FCR

5 Bacterial groups are significantly different between Control & Alterion® treated groups

Alterion® balances microbial populations of the gut when administered to broiler chickens.



Firmicutes Ruminococcus
Known to break down polysaccharides to oligosaccharides

Firmicutes Lachnoclostridium
Degrades oligosaccharides and provides SCFAs, especially butyrate



HAPPY INSIDE

From mix to results

Alterion® delivers consistency thanks to a carefully selected and effective strain with an innovative formulation.



For more information,
contact your sales representative.

