



GalliPro[®]

GALLIPRO[®] is a science-based, research-proven probiotic

- Improves availability and absorption of nutrients
- Increases immune responsiveness

CHR HANSEN

Improving food & health



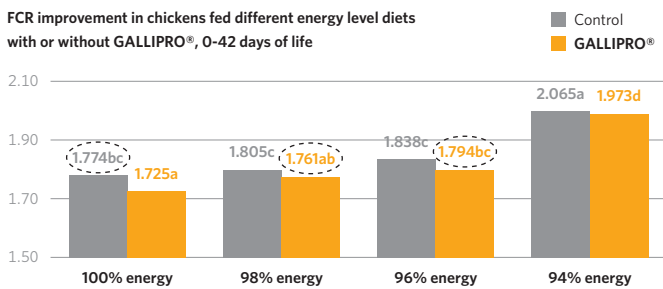
About GALLIPRO®

GALLIPRO® contains a highly-selected strain of *Bacillus subtilis* (DSM17299), that has been proven to improve the availability and absorption of nutrients from feed. In research trials, daily feeding of GALLIPRO® at the label dosage was shown to increase metabolize energy, protein, and amino-acid digestibility of standard and test diets. Compared to control groups, birds on GALLIPRO® were heavier at market and had a lower feed conversion.

Daily feeding of GALLIPRO® improves the availability and absorption of nutrients and enables the use of our Flexible Feed Formulation concept

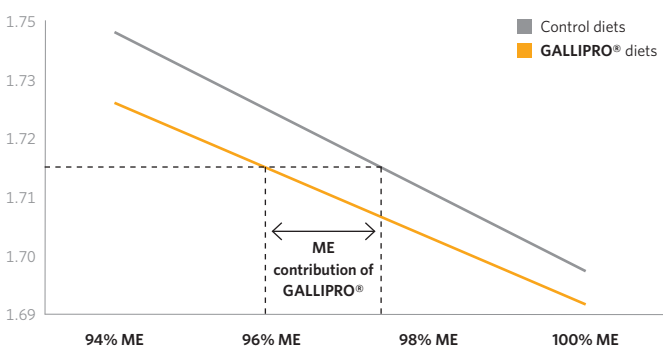
In a broiler trial, daily feeding of our highly-selected strain of *Bacillus subtilis* in a reduced energy diet (up to 4%) resulted in overall performance that was similar to the control groups at 42 days of age. (D. Harrington, M. Sims, et al, 2015, J. Appl. Poult. Res. 0: 1-11).

FCR improvement in chickens fed different energy level diets with or without GALLIPRO®, 0-42 days of life



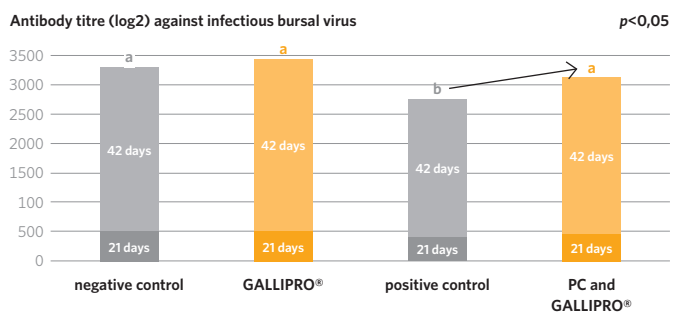
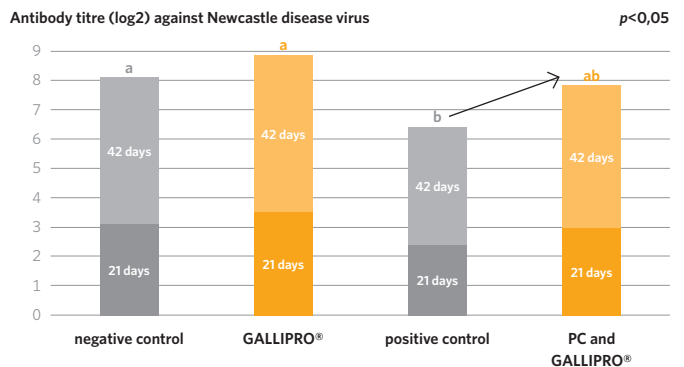
Means followed by different letters are significantly different ($p < 0.05$)

FCR regression analyses to estimate GALLIPRO® metabolizable energy contribution

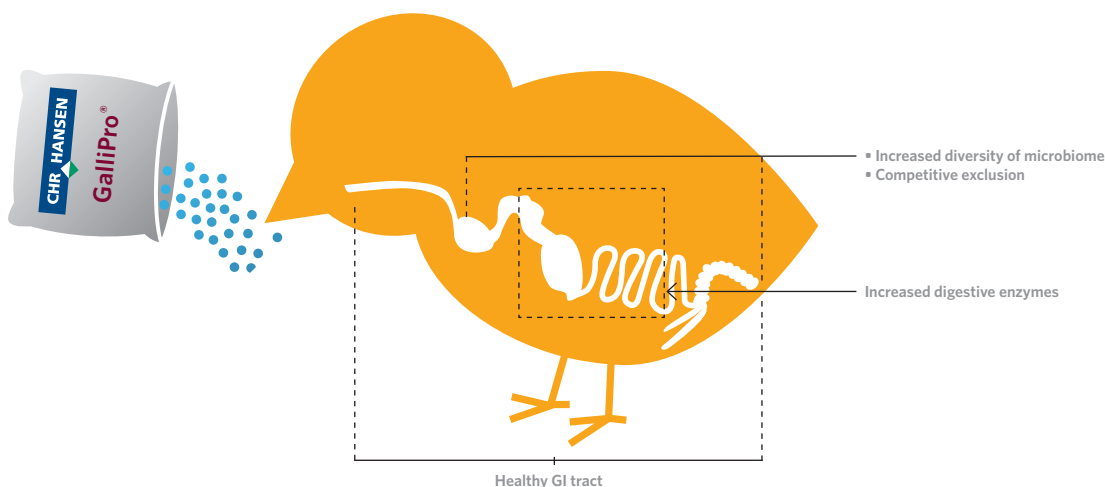


GALLIPRO® improves immune responsiveness

Daily feeding of GALLIPRO® was shown to significantly improve the efficacy of vaccines, such as those for Newcastle or Gumboro. Under stress from pathogenic *Salmonella*, the highly-selected strain of *Bacillus subtilis* found in GALLIPRO® increased antibody titers of the aforementioned vaccines (A.A. Sadeghi, et al., 2014, Probiotic & antimicro. Prot. DOI 10.1007).



FLEXIBLE
FEED FORMULATION



GALLIPRO® daily in feed

- Used in premix, mash and/or pelleted feed
- Stable through the pelleting process up to 95°C
- Compatible with coccidiostats