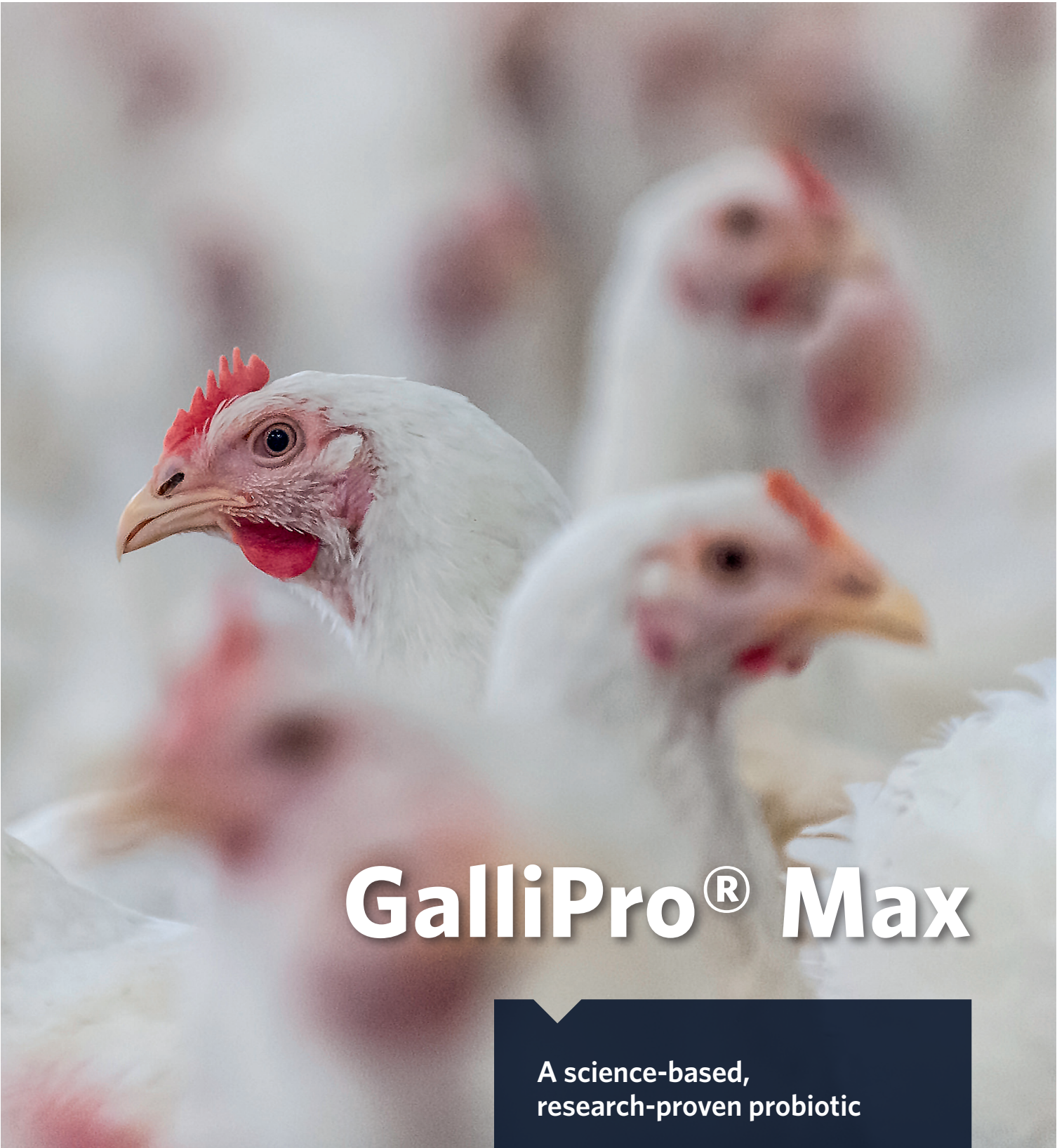




GalliPro[®] Max

**A science-based,
research-proven probiotic**

- Improves availability and absorption of nutrients
- Reduces risk of harmful bacteria

CHR HANSEN

Improving food & health

About GalliPro® Max

GalliPro® Max contains a highly selected strain (DSM17299) of *Bacillus subtilis*, that has been proven to improve the availability and absorption of nutrients from feed. In broiler research trials, daily feeding of GalliPro® Max at the label dosage was shown to increase metabolized energy of standard and test diets. Numerous trials showed that GalliPro® Max improves flock performances with demonstrable economic benefits

Daily feeding of GalliPro® Max improves the availability and absorption of nutrients whatever the layer age

In a layer study conducted in an experimental station in Brazil (University of Visçosa, 2010), daily feeding of GalliPro® Max (8×10^5 CFU/g) from 25 to 45 weeks old of age resulted in improved lay performances (Figure 1) with significantly increased fecal dry matter by 6.2% (from 33 to 37 week old). (Figure 2)

Figure 1: Lay performances in laying hens fed with or without GalliPro® Max, 25-35 weeks of age

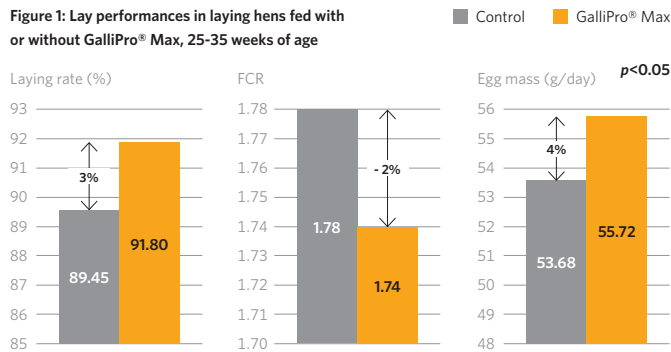


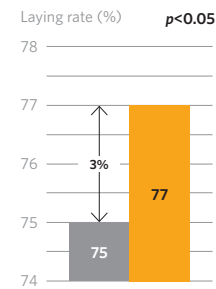
Figure 2: Dry matter content (%) of the excreta of laying hens (33 to 37 weeks old)

	Control	GalliPro® Max
Dry matter (%)	27.46 b	29.16 a

a,b means $p < 0.05$

In a second layer study, daily feeding of GalliPro Max (8×10^5 CFU/g) from 69 to 89 weeks old of age resulted in improved lay performances (Figure 3) showing a good persistence of lay rate. (I. J. Ehr et al, 2015. MP 1310 PSA)

Figure 3: Lay performances in laying hens fed with or without GalliPro® Max, 69-89 weeks of age



	Control	GalliPro® Max	P value
Egg Weight (g)	67.5 b	68.3 a	0.10
Egg mass (g/bird/day)	48.7	50.7	ns
FCR (g/g)	2,12	2,04	ns

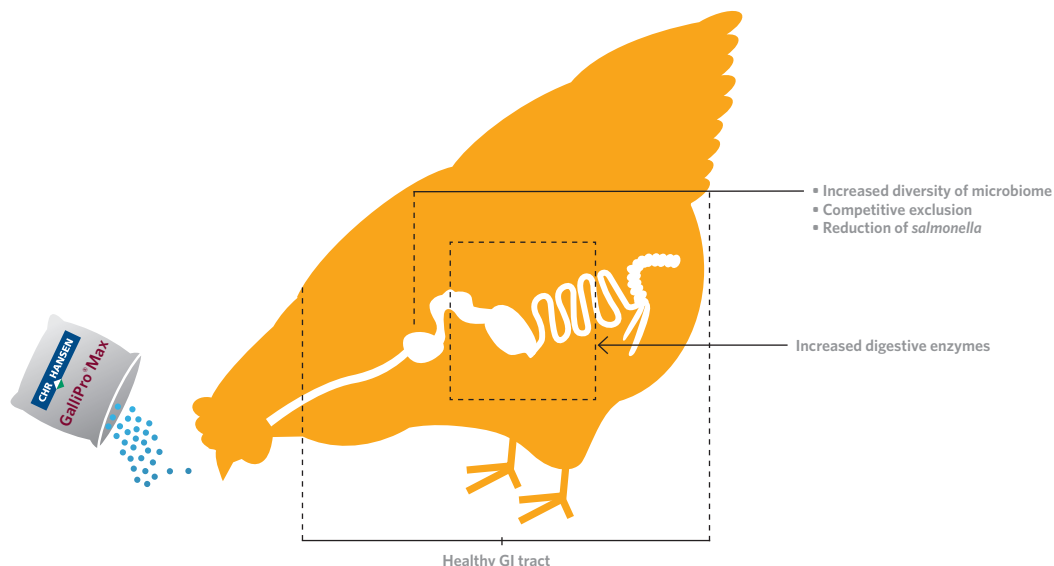
GalliPro® Max reduces the risk of harmful bacteria growth

Daily feeding of GalliPro® Max in Layers reduces the risk of *Salmonella* by "the competitive exclusion" MOA. (I. Knap et al, 2011, Poultry Science 90:1690-1694) (Figure 4)

Figure 4: *Salmonella* in environmental swab testing by culture and bacterial load in cecal samples by quantitative real-time PCR on day 42

	Control	Positive control	GalliPro® Max
Cecal samples : CFU/g	1,06x10 ²	1,72x10 ⁶ a	1,10x10 ² b

-3 log



GalliPro® Max daily in feed

Application: GalliPro® Max is to be added at a rate of 1 lb of feed, providing a range of 8×10^5 CFU/g of feed, and should be administered to flocks in continuously in pullet and lay period.

- Used in premix, mash and/or pelleted feed
- Stable through the pelleting process up to 203°F
- Compatible with coccidiostats

TO LEARN MORE CALL US AT 888-289-2218 OR LOG ON TO WWW.CHR-HANSEN.COM/ANIMAL-HEALTH