

# Aviguard®

## FOR LAYERS

**Aviguard®** should be used whenever there is a need for establishment or re-establishment of the normal intestinal bacteria. In stress situations, the normal intestinal bacteria may be disturbed, which can result in pathogenic bacteria taking hold.

Assuming that the basics (stocking density, temperature, ventilation and air quality, feed and water quality and supply) are right, and good biosecurity principles are being followed, the following can be stressful to laying birds:

- Vaccination
- Feed change
- Transport from the rearing farm to the laying farm
- Peak of lay
- Moulting

If birds are treated with antibiotics (under the direction of a veterinary surgeon), the balance of beneficial bacteria in the intestine may be disrupted. **Aviguard®** can help to restore a normal intestinal flora.

Please consult your veterinary surgeon regarding disease prevention and control, and for biosecurity best practice.



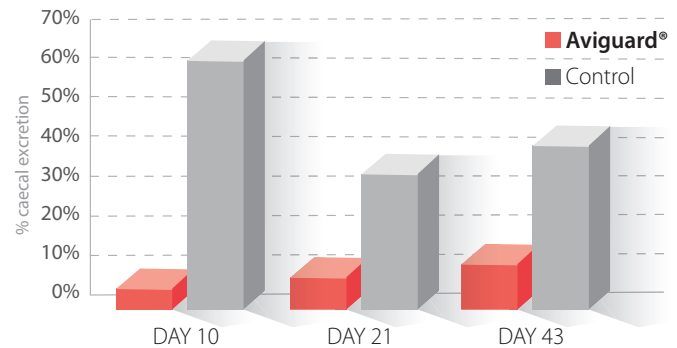
# Aviguard®

## THE TRIALS EVIDENCE

### SALMONELLA

- As compared to challenged controls, **Aviguard®** applied as a coarse spray to day old chicks significantly reduced caecal colonisation of *S. enteritidis*<sup>1</sup>.
- Aviguard protects chicks from overwhelming salmonella colonisation, without affecting the normal antibody response<sup>2</sup>

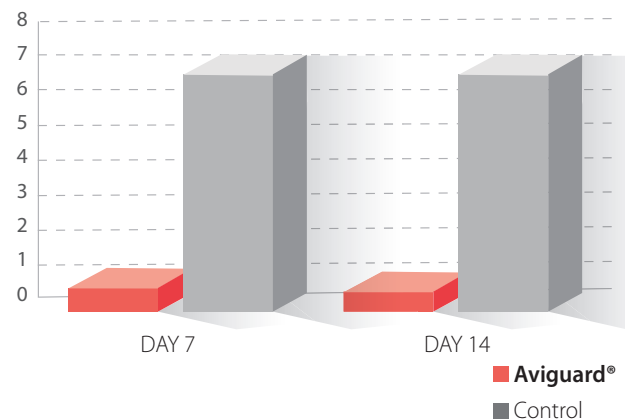
The effect of Aviguard® against controlled *Salmonella enteritidis* contamination in chickens



### PATHOGENIC E. COLI

- Following administration to day old chicks, **Aviguard®** significantly reduced colonisation by multi-resistant pathogenic *E. coli* as compared to controls<sup>3</sup>

Effects of Aviguard on the caecal colonisation of day old chicks by multi-resistant pathogenic *E. coli* 078:K80



AVIGUARD\_TS\_Layers\_ENG\_0414

### REFERENCES

1. Guillot J.F *et al.* Universite et INRA de Tours, France (Date TBA).
2. Nakamura A *et al.* Poultry Science 2002; 81: 1653-1660.
3. Reynolds D. Proceedings of II Bayer European Poultry Symposium, Cascais, 1998: 33-36.