



Elanco

POWERFUL *SALMONELLA* PROTECTION

THE ONLY VACCINE THAT PROTECTS EGGS FROM BOTH REGULATED *SALMONELLA* STRAINS, INCLUDING INTERNAL CONTAMINATION WITH *S. ENTERITIDIS*¹

*AviPro*TM
SALMONELLA DUO

For superior egg safety¹

AVIPRO SALMONELLA DUO: POWERFUL SALMONELLA EGG PROTECTION

PROTECTION AGAINST A DOUBLE THREAT

There are two possible routes of *Salmonella enteritidis* egg infection²:

TRANS-SHELL

Salmonella enters the egg through the shell from faecal contamination, just before or shortly after laying³

Vaccination of laying hens



Reduced faecal excretion



Reduced trans-shell egg infection

VERTICAL

Salmonella enteritidis can also enter the egg from the hen's infected reproductive tract, before laying^{1,4}

AviPro Salmonella Duo goes one step further than other vaccines by also reducing vertical egg infection by *S. enteritidis*



BIRDS VACCINATED WITH AVIPRO SALMONELLA DUO DEMONSTRATE

- ◆ Reduced organ contamination, including the reproductive tract⁴
- ◆ Reduced egg contamination⁴

Vaccination with AviPro Salmonella Duo reduces egg contamination by 83%



AVIPRO SALMONELLA DUO = SUPERIOR EGG SAFETY

The **ONLY** vaccine that protects eggs from internal contamination with *S. enteritidis*.¹

FOR SUPERIOR PROTECTION OF HUMAN HEALTH AGAINST SALMONELLA

WHY WORRY ABOUT *S. ENTERITIDIS*?

- ◆ *S. enteritidis* = most prevalent strain of *Salmonella* worldwide⁵
- ◆ Associated with clinical Salmonellosis in humans (Particularly vulnerable groups – e.g. young children, the elderly and pregnant women)
- ◆ Eggs can become infected without any signs of illness from the laying hen⁶

Maximum protection of eggs against all routes of *S. enteritidis* infection is key to protect human health, profitability and reputation.



WHEN IT COMES TO FOOD SAFETY AND HUMAN HEALTH, TRUST MATTERS

- ◆ The ONLY vaccine that protects eggs from internal contamination with *S. enteritidis*¹
 - ◆ Superior direct protection³ against both regulated strains of *Salmonella* in layers
 - ◆ Early protection, from day 1¹
 - ◆ Excellent vaccine safety profile
 - ◆ Easy administration in drinking water

References: 1. SPC Elanco AviPro Salmonella DUO 2016 (v1.0) 2. Gantois I et al FEMS Microbiol Rev 2009 718 (v1.0) 3. Mueller-Doblies D IPPE 2023 2023 1:1 (v1.0) 4. Gantois I et al Vaccine 2006 6250 (v1.0) 5. Hendriksen RS et al Foodborne Pathogens and Disease 2011 887 (v1.0) 6. Arnold ME Avian Pathology 2014 7. <https://www.gov.uk/guidance/salmonellaget-your-egg-laying-hens-tested>

AviPro Salmonella Duo contains: Live attenuated *Salmonella* Enteritidis bacteria, strain Sm24/Rif12/Ssq, min. 1 x 10⁸ CFU* and max. 6 x 10⁸ CFU* Live attenuated *Salmonella* Typhimurium bacteria, strain NaI2/Rif9/Rtt, min. 1 x 10⁸ CFU* and max. 6 x 10⁸ CFU* *CFU – colony forming units. Legal Category: POM-V. Advice should be sought from the medicine prescriber prior to use. Prescription decisions are for the person issuing the prescription alone.

Use medicines responsibly. www.noah.co.uk/responsible. Elanco UK AH Limited, Form 2, Bartley Way, Bartley Wood Business Park, Hook RG27 9XA. Telephone: 01256 353131. Email: elancouk@elanco.com For further information, consult the product SPC.

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