

AviPro®

Megan® Egg

Vaccination of poultry with AviPro® Megan® Egg provides a first line of defense to protect pullets from *Salmonella* Enteritidis infections. As a mass-applied vaccine, AviPro Megan Egg can serve as an integral part of a *Salmonella* control program, allowing for the production of more *Full Value Poultry*™.



Convincing Advantages:

- Protection against *Salmonella* Enteritidis lasting through lay
- Coarse spray vaccination makes your *Salmonella* program easy and welfare-friendly
- Proven to protect hens during molt¹

Vaccination has proven to be a valuable tool in reinforcing a *Salmonella* control program

A major obstacle to *Salmonella* control in the poultry industry is the ubiquitous presence of multiple serotypes of *Salmonella*. An effective *Salmonella* control program requires an integrated approach, including sound on-farm biosecurity practices, good hygiene and monitoring. However, these efforts will not lead to adequate *Salmonella* control if birds are unable to prevent *Salmonella* proliferation. For this reason, vaccination must be a major component of a *Salmonella* control program, inducing an inherent protective mechanism within egg-laying chickens that aids in the reduction and management of *Salmonella* infections.

AviPro Megan Egg—the first live *Salmonella* vaccine in the USA specifically developed to protect egg layers against *Salmonella* Enteritidis (SE) infection

As a lyophilized live vaccine, AviPro Megan Egg is an attenuated *Salmonella* Typhimurium. When applied to flocks as a coarse spray, the vaccine mimics the natural route of infection that results in long-term protective immunity against *Salmonella* Enteritidis infections.

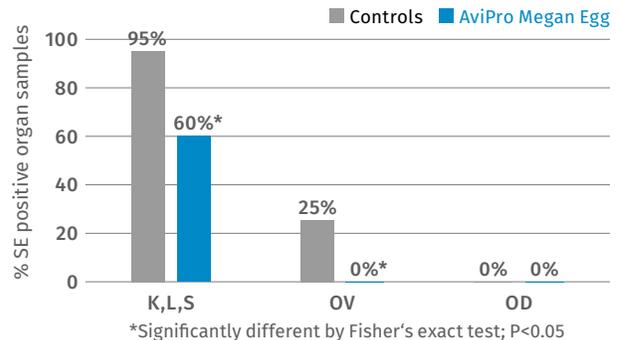
- Mass-applied, easy administration
- Strong protective immunity
- Protection during molt¹

AviPro Megan Egg

For reduction of *Salmonella* Enteritidis colonization in the internal organs, including the ovaries and oviduct and the intestinal tract and ceca. One dose contains attenuated *Salmonella* Typhimurium for mass application by coarse spray. Indications: Non-invasive immunization of poultry against *Salmonella* Enteritidis infections. **Directions for use:** Pullets: Administer 1 dose per bird at 2 weeks of age and repeat at 4 and 16 weeks of age for protection to end of lay.

Study²

Thirty hens were vaccinated at 2, 4 and 16 weeks of age with AviPro Megan Egg. Twenty hens received distilled water only. At 56 weeks of age, each vaccinated and non-vaccinated hen was challenged orally with a high dose of wild-type *S. Enteritidis* bacteria. These data demonstrate the significant protection provided by AviPro Megan Egg. Significant differences ($P < 0.05$) can be seen in the % SE-positive kidney, liver and spleen (K,L,S) pooled samples and ovaries (OV) of vaccinated birds compared to non-vaccinated birds.¹ Birds vaccinated 3X with AviPro Megan Egg showed overall reduced infections of target tissues by the wild-type SE challenge strain compared to non-vaccinated birds.¹



The label contains complete use information, including cautions and warnings. Always read, understand and follow the label and use directions.

This vaccine is recommended for the vaccination of pullet chickens as an aid in the reduction of *Salmonella* Enteritidis colonization of the internal organs, including the ovaries and oviduct, and the intestinal tract and ceca. **Administration:** This vaccine is recommended for use at 2, 4 and 16 weeks of age by coarse spray application.

¹ Holt, P., Gast, R. and Kelly-Aehle, S. 2002. "Use of a Live Attenuated *Salmonella* typhimurium Vaccine to Protect Hens Against *Salmonella* enteritidis Infection While Undergoing Molt." *Avian Diseases* 47:656-661.

² ST-L-2-99 "Evaluation of the efficacy of a live *Salmonella* Typhimurium vaccine in preventing infection of internal organs of layers and egg transmission after challenge with wild-type *Salmonella* Enteritidis (SE)." Data on file. Elanco Animal Health.

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