COMPREHENSIVE CONTROL

A comprehensive Salmonella control program is necessary to disrupt the transmission of Salmonella. Vaccination alone cannot be relied upon to prevent Salmonella infections. Conducting risk evaluations for sources of Salmonella entry, implementing biosecurity assessments and focusing on a proactive control program are all necessary. Comprehensive Salmonella control programs should include:

- Optimizing gut health
- Strong biosecurity measures
- Environmental monitoring
- Litter management
- Pest and rodent control
- Water and feed management

It may take multiple cycles of consistent control practices and vaccination of flocks to manage the Salmonella burden in live production. For less than one cent per bird, AviPro Megan Vac 1 provides an effective option as part of a comprehensive Salmonella control program.

ACT NOW. PROTECT TOMORROW.

AviPro Megan Vac 1 is part of a broad portfolio of Elanco poultry solutions offering confident decisions and peace of mind. With both inactivated and live vaccines, Elanco offers proactive Salmonella protection for all segments of the poultry industry. Our dedicated Elanco team is ready to help you develop a comprehensive Salmonella control program today.

Learn more at www.Elanco.us/Megan.
**Salmonella Protection is an Everyday Investment**

As part of a comprehensive Salmonella control program, AviPro® Megan® Vac 1 is a safe, effective and targeted intervention providing Salmonella protection every day. Mitigating risk from egg to end consumer starts by prioritizing bird health, food chain safety and brand protection with a consistent, comprehensive Salmonella control program.

**Reduce Shedding, Reduce Prevalence**

The major obstacle to Salmonella control in the poultry industry is the ubiquitous presence of *Salmonella*. Poultry can be latent carriers, shedding and spreading *Salmonella* when stressed. Preventing colonization as early and effectively as possible reduces shedding and subsequently, the spread of *Salmonella*.

AviPro Megan Vac 1 stimulates protective immunity and reduces *S.* Typhimurium (ST), *S.* Heidelberg (SH) and *S.* Enteritidis (SE) infections in young, growing chickens — ultimately contributing to reduced environmental prevalence over time. Live ST vaccines, such as AviPro Megan Vac 1, provide a competitive exclusion (CE) effect against wild-type *Salmonella* and immunity as early as 12 hours. In addition, AviPro Megan Vac 1 can be easily identified by its unique biochemical profile compared to wild-type *Salmonella*.

**Application Ease**

With coarse spray and drinking water applications, AviPro Megan Vac 1 vaccine’s two-dose application protocol easily adapts to hatchery and field vaccine programs. These vaccination methods parallel the natural infection path of *Salmonella* triggering local, humoral and cell-mediated immune responses that are unique only to live *Salmonella* vaccines. This protective immunity translates to reduced infections and shedding when birds encounter a field infection of wild-type *Salmonella*.

**AviPro Megan Vac 1 Application — Broilers**

**Spray**

- Use ~15mL/100 chicks
- Can mix with NDV-IB vaccines
- Can mix with NDV-IB vaccines
- Use dye with stabilizer + vaccine
- Check tongue staining

**Drinking Water**

- Remove disinfectants 24h prior and after application
- Raise lines 2h prior
- Use dye with stabilizer + vaccine

**Salmonella Protection is an Everyday Investment**

*Significantly different by *x* test *P < 0.05*

Research has shown that in addition to providing excellent protection against serogroups B and D *Salmonella* spp., the live *S.* Typhimurium vaccine induces significant cross-protection against *Salmonella* strains belonging to serogroups C and E.

**Effective Control**

In a controlled study, AviPro Vac 1 research has shown a significant reduction of ST, SE and SH in young chicks. One-day-old leghorn chicks were vaccinated with AviPro Vac 1, revaccinated through drinking water at two weeks of age and then challenged with *S.* Typhimurium, *S.* Heidelberg or *S.* Enteritidis wild-type strains at six weeks of age. AviPro Vac 1-treated birds showed significantly reduced Salmonella colonization post-challenge when compared to non-vaccinated birds.

**Salmonella Protection in Broilers**

AviPro Vac 1 for broilers is a USDA-licensed vaccine recommended as an aid to reduce colonization of *S.* Typhimurium, *S.* Enteritidis and *S.* Heidelberg.

**Directions for Use:** Vaccinate chickens at one day of age by coarse spray application. A second dose should be given at 14 days of age in the drinking water.

**Dose:** Apply vaccine to all birds in flock.

**Caution:** Store at 35° – 45°F (2° – 7°C). Do not freeze.