ALL WINNERS.
NO LOSERS.

The demands of the American consumer are evolving, but what if giving customers what they want and birds what they need could be the same thing?
Inteprity® is a first-in-class, animal-use only, in-feed antibiotic for the prevention of mortality caused by necrotic enteritis associated with *Clostridium perfringens* in broiler chickens.

As a tool used under the supervision of a veterinarian with a Veterinary Feed Directive (VFD), Inteprity supports a responsible approach to antibiotic use with a win-win solution that helps you meet customer demands without compromising the health of your flock — or your business.
THE STATE OF BACTERIAL ENTERITIS

The 2015 Bacterial Enteritis Global Impact Assessment (BEGIA) revealed important trends on producers' attitudes toward bacterial enteritis (BE), including necrotic enteritis (NE).* According to U.S. respondents:

- More than 60% diagnosed BE and believe BE will remain the same or worse during the next five years.
- More than 85% found the prevalence and severity of BE increase when coccidiosis is present.
- 93% reported some performance losses caused by BE.

*Necrotic enteritis is just one factor in bacterial enteritis.

IMPORTANT SAFETY INFORMATION

- CAUTION: Federal law restricts medicated feed containing this veterinary feed directive (VFD) drug to use by or on the order of a licensed veterinarian.
- To assure responsible antimicrobial drug use in broiler chickens, treatment administration must begin on or before 18 days of age.
- The safety of avilamycin has not been established in chickens intended for breeding purposes.
- Avilamycin has not been demonstrated to be effective in broiler chickens showing clinical signs of necrotic enteritis prior to the start of medication.
- The Veterinary Feed Directive (VFD) expiration date must not exceed 90 days from the date of issuance. VFDs for avilamycin shall not be refilled.

A COSTLY DISEASE

NECROTIC ENTERITIS costs up to $0.05 PER BIRD, or $50,000 for every 1 MILLION BIRDS.
WHAT YOU CAN’T SEE—
THE TOTAL IMPACT OF NE

NE is a serious and constant threat to the health and welfare of poultry flocks. Due to the reduction of antibiotic use in poultry, the incidence of NE is on the rise, with daily mortality rates as high as 1 percent. The unseen, profit-robbing, subclinical symptoms are even more common than clinical outbreaks — reducing weight gain and feed efficiency.

Healthy birds are important for the entire food chain.

www.Elanco.us/Inteprity
In studies conducted to determine effectiveness, Inteprity reduced mortality due to NE associated with *C. perfringens* from 76 to 93 percent versus the control group.\(^6\)-\(^8\)

### 2011 Study: NE Mortality Days 14-35

<table>
<thead>
<tr>
<th>Group</th>
<th>Mortality (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 1 (non-med, non-challenged)</td>
<td>1.88 (a)</td>
</tr>
<tr>
<td>Group 2 (non-med, challenged)</td>
<td>31.04 (a)</td>
</tr>
<tr>
<td>Group 3 (15 ppm, 13.6 g/ton)</td>
<td>7.53 (b)</td>
</tr>
<tr>
<td>Group 4 (30 ppm, 27.2 g/ton)</td>
<td>3.02 (b)</td>
</tr>
</tbody>
</table>

\(a,b\) Means without a common superscript are different (\(P \leq 0.05\)).

*NOTE:* Numbers above represent raw data means.

Least square means for Cp challenged groups were as follows:

- Group 2 = 30.7%
- Group 3 = 7.5%
- Group 4 = 3.0%

### 2014 Study: NE Mortality

<table>
<thead>
<tr>
<th>Group</th>
<th>Mortality (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 1 (non-med, non-challenged)</td>
<td>0%</td>
</tr>
<tr>
<td>Group 2 (non-med, challenged)</td>
<td>7% (a)</td>
</tr>
<tr>
<td>Group 3 (15 ppm, 13.6 g/ton)</td>
<td>0.05% (a)</td>
</tr>
</tbody>
</table>

\(a\)TG02 vs. TG01, significantly different at \(P < 0.05\)

\(b\)TG03 vs. TG02, significantly different at \(P < 0.05\)
What’s best for birds is best for business.

REDUCING BIRD MORTALITY

Prevention is key when it comes to minimizing bird loss. Inteprity features a wide dose range, which gives poultry veterinarians the flexibility to specify a targeted dose based on the NE risk assessment.

ENSURING RESPONSIBLE ANTIBIOTIC USE

As the first VFD product for the poultry industry, Inteprity supports a responsible approach to antibiotic use. The VFD process requires a coordinated effort between the producer, veterinarian and feed supplier. Once a need to prevent mortality due to necrotic enteritis has been identified, a VFD to authorize the use of Inteprity is written and a copy provided to producer and feed supplier.

With coccidiosis vaccine use, Elanco’s recommended dose for Inteprity is 22.7 g/ton for NE management.

VFD Central is the go-to VFD resource for veterinarians, producers and nutritionists, brought to you by Elanco and Feedstuffs. For more information, visit VFD Central at FEEDSTUFFS.COM/VFD.ASPX.
Today’s solutions have to address both consumer wants and bird needs.

A DESIRABLE SOLUTION FOR THE FOOD CHAIN

Tradeoffs shouldn’t be necessary in one area to meet needs in another. Inteprity helps promote the health of the bird, yet fits within antibiotic policies and the ever-changing market environment that drives them. As a first-in-class product that meets FDA’s stringent requirements for the environment and human food safety, as well as animal safety, Inteprity:

• Features an animal-use only active ingredient that has never been used in human medicine
• Is the first antibiotic belonging to the orthosomycin class introduced for use in poultry
• Supports a responsible approach to antibiotics as the first VFD product for poultry use
• Helps improve animal well-being by preventing mortality caused by a serious disease
• Requires no withdrawal prior to processing
• Meets the requirements of FDA’s and WHO’s responsible antibiotic-use guidance, and its Maximum Residue Limits have been approved by both Codex and the EU

Stop compromising — do what’s right for your birds, your business and your customers with Inteprity.
NEED ADDITIONAL INFORMATION?

To learn more about the win-win solution that helps you meet customer demands without compromising the health of your flock, contact your Elanco sales representative or technical consultant, or visit Elanco.us/Inteprity.

For the prevention of mortality caused by necrotic enteritis associated with *Clostridium perfringens* in broiler chickens:

- Avilamycin is to be fed at 13.6 to 40.9 grams per ton of Type C medicated feed (15 to 45 ppm) as the sole ration for 21 consecutive days.
- Feed to chickens that are at risk of developing, but not yet showing clinical signs of, necrotic enteritis associated with *Clostridium perfringens*.

IMPORTANT SAFETY INFORMATION

- **CAUTION:** Federal law restricts medicated feed containing this veterinary feed directive (VFD) drug to use by or on the order of a licensed veterinarian.
- To assure responsible antimicrobial drug use in broiler chickens, treatment administration must begin on or before 18 days of age.
- When using in combination with approved anticoccidials, treatment administration must begin on or before 10 days of age.
- The safety of avilamycin has not been established in chickens intended for breeding purposes.
- Avilamycin has not been demonstrated to be effective in broiler chickens showing clinical signs of necrotic enteritis prior to the start of medication.
- The Veterinary Feed Directive (VFD) expiration date must not exceed 90 days from the date of issuance. VFDs for avilamycin shall not be refilled.


Inteprity, Elanco and the diagonal bar are trademarks of Elanco or its affiliates.

© 2019 Elanco

PM-US-19-1055