

TECH TALK

PROTECTION THAT POWERS PERFORMANCE

Article Provided By:



With its dual-mode action, Aureo S 700 maintains herd health and weight gain.

In high-efficiency production systems, young cattle face significant stress from transport, co-mingling and adapting to new environments — all of which can weaken immunity and increase susceptibility to bovine respiratory disease (BRD) and other bacterial challenges. Aureo S 700 combines chlortetracycline (CTC) and sulfamethazine as an aid in maintaining weight gains in cattle experiencing respiratory disease, supporting herd health during vulnerable periods.

THE AUREO S 700 ADVANTAGE

- ✓ Sulfamethazine supports the treatment of secondary infections that often accompany BRD, providing stronger disease management — especially when certain pathogens are not sensitive to CTC alone.
- ✓ Supports newly weaned, lightweight and high-stress cattle as they face environmental, dietary and social transitions that weaken their immune systems.
- ✓ Minimizes BRD risks, maintains feed intake and reduces morbidity to keep cattle on track for optimal growth and productivity.
- ✓ Ensures effective disease management with a proven 28-day in-feed solution that integrates seamlessly into feeding programs.



HOW IT WORKS

Aureo S 700 combines chlortetracycline and sulfamethazine, two bacteriostatic antibiotics that act synergistically. Chlortetracycline inhibits bacterial protein synthesis by binding to the 30S ribosomal subunit, blocking aminoacyl-tRNA attachment to the mRNA-ribosome complex. Sulfamethazine inhibits dihydrofolic acid synthesis by competing with para-aminobenzoic acid (PABA) for dihydropteroate synthetase, reducing nucleotide and DNA formation. Together, they enhance antibacterial activity through complementary mechanisms, providing broad-spectrum control.



GUIDELINES FOR USE

Beef Cattle: Aureo S 700 is a 28-day therapy available only under a Veterinary Feed Directive (VFD), with a 7-day withdrawal period prior to slaughter.

✓ STRONG PERFORMANCE UNDER STRESS

Across a large-scale feedlot study, Aureo S 700 consistently helped newly received, high-risk cattle perform better under stress. Starting cattle that received Aureo S 700 in the diet for 28 days **showed stronger daily gains (+21%) and improved feed efficiency (+15%)** vs. control.¹



+21%
INCREASE IN
AVERAGE DAILY GAIN
DURING 28-DAY STARTING PERIOD¹

+15%
INCREASE IN
FEED EFFICIENCY
DURING 28-DAY STARTING PERIOD¹

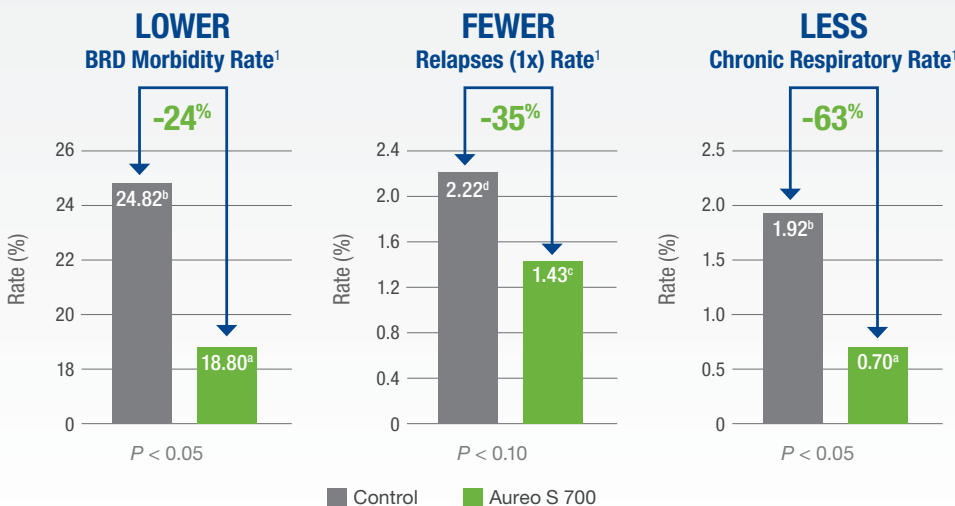
Another trial confirmed that incorporating Aureo S 700 into the feeding program **reduced total BRD pulls by 16%** in the first 28 days.²



-16%
DECREASE IN
THERAPEUTIC TREATMENTS²

✓ CONSISTENTLY LOWER MORBIDITY

Aureo S 700 performed consistently, maintaining herd health through the high-risk starting phase. Feeding Aureo S 700 during the 28-day starting period cut BRD morbidity by 24%, relapses by 36% and chronic cases by 63%.¹



The large-scale feedlot study showed 25–30% fewer BRD cases, fewer relapses and half the mortality rate of untreated controls.¹

Caution: Federal law restricts medicated feed containing this veterinary feed directive (VFD) drug (Aureo S 700) to use by or on the order of a licensed veterinarian.

Support feed intake under stress conditions.
Reach out to your Phibro representative to learn more.
www.pahc.com | 800.677.4623



¹ Gallo, et al., 1995. Can. Vet J. 36:223-229.
² Zoetis, 2018. Outcomes Research Study. 17CRGMA-01-03.