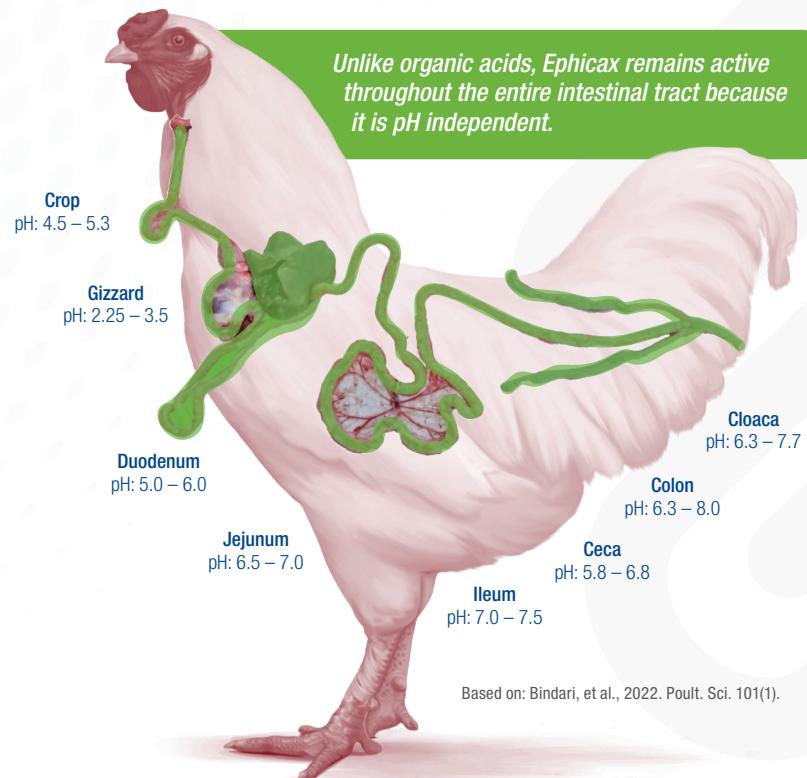


There are two key problems that threaten your poultry operation's success – food safety and live production challenges. To maintain the consistency, productivity, and value of your operation you need proven solutions that help maximize your animals' defense.

A Balanced Gastrointestinal Tract (GIT), from Crop to Cloaca

Ephicax™ nutritional specialty product's distinctive blends of short- and medium-chain monoglycerides (S/MCMG) support intestinal health through unique modes of action, bolstering the animal's defense against enteric challenges.

The Difference of a Balanced Intestinal Tract



Based on: Bindari, et al., 2022. Poult. Sci. 101(1).

Studies have shown that using Ephicax nutritional specialty product can help balance the complete gastrointestinal (GI) tract environment. **A balanced intestinal tract may lead to improved food safety and reduced pathogens challenges.**

Food Safety



Balanced Intestinal Tract
30% improvement in jejunum villi height post-*Clostridium* challenge compared to positive control.

Source: SILO_Clostridia_2.

MAY LEAD TO:

Reduction in *Salmonella Typhimurium* Incidence in Liver

Days Post-Infection	Infection Percentage
5	20%
Ephicax Begins	
10	10%
15	0%

Study conducted with Ephicax L 104 | Source: SILO_Salmonella 3.

WHICH MAY ULTIMATELY LEAD TO:

Reduction of Presence of *Campylobacter*

Reduced CFU Counts by 2 to 3 logs post *Campylobacter jejuni* challenge.

SILOhealth 110 = Ephicax 110 | Source: SILO_Campylobacter_1.

Reduced Risk of Dropping Classification Categories*

Less Production Downtime

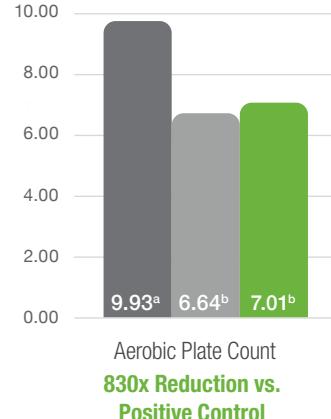
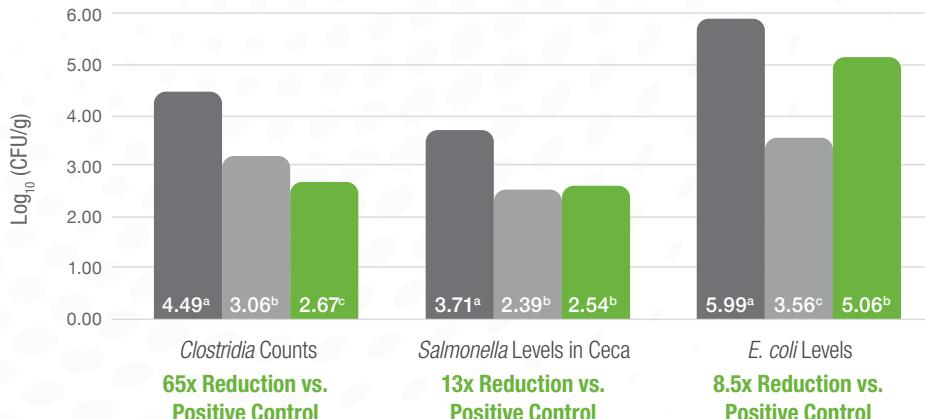
*As per FSIS Salmonella Standards.

POSITIVE CONTROL

NEGATIVE CONTROL

EPHICAX™ 110

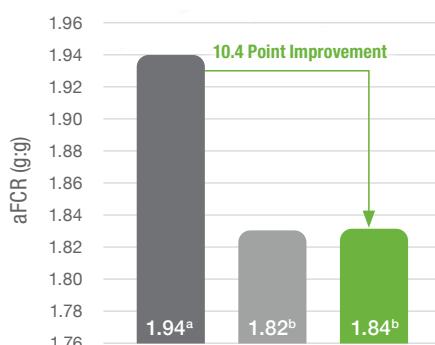
PATHOGEN CHALLENGES¹



42 Days of Age | ^{a-c}Means with different superscripts differ significantly ($P < 0.05$). | ¹As per measurement in the lumen of the mid gut. | Source: PHIBRO-54.

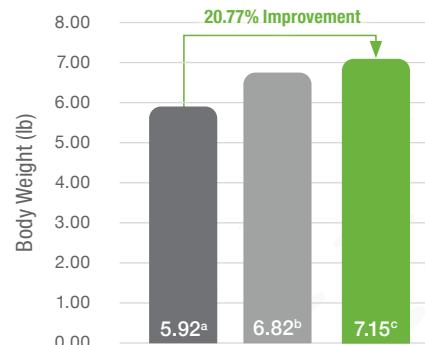
A REDUCTION IN PATHOGEN CHALLENGES MAY LEAD TO:

IMPROVED FEED CONVERSION RATIO



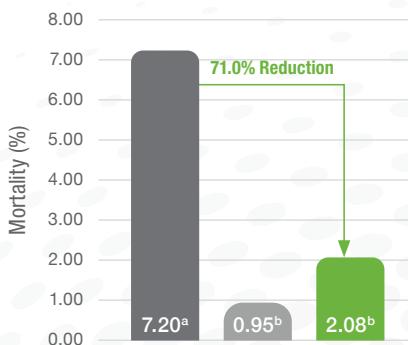
42 Days of Age | ^{a-b}Means with different superscripts differ significantly ($P < 0.05$). | Source: PHIBRO-54.

IMPROVED BODY WEIGHT GAIN



42 Days of Age | ^{a-c}Means with different superscripts differ significantly ($P < 0.05$). | Source: PHIBRO-54.

REDUCED MORTALITY RATE



42 Days of Age | ^{a-b}Means with different superscripts differ significantly ($P < 0.05$). | Source: PHIBRO-54.

WHICH MAY ULTIMATELY LEAD TO:

More Meat to Market

Improved Animal Welfare

Connect with Your Phibro Poultry Representative | 888.475.7355 | PAHC.com