

SWINE GUT HEALTH TRIPLE CHECK

Establish the intestinal integrity and protection your pigs need, using our **Gut Health Triple Check** program.

The Gut Health Triple Check program serves as a support system to **CLEAN UP** contaminants in feed and water prior to animal exposure, **BUILD UP** intestinal strength and immunity to reduce leaky gut and **KNOCK OUT** harmful pathogens for healthier and better performing pigs.



CLEAN UP

Target specific profit-robbing contaminants in fat, grain, water and finished feed.

- ✓ CaptiSURE™
- ✓ Myco CURB®
- ✓ ENDOX®
- ✓ RENDOX®
- ✓ KALLSIL™
- ✓ Sal CURB®
- ✓ KEM SAN®



BUILD UP

Strengthen the intestinal barrier and immune system to maximize nutrient absorption and inhibit harmful pathogens or toxins.

- ✓ Aleta™
- ✓ LYSOFORTE®
- ✓ ButiPEARL™
- ✓ ButiPEARL™ Z
- ✓ KemTRACE® Chromium



KNOCK OUT

Support intestinal balance to inhibit or eliminate harmful pathogens from infiltrating the body.

- ✓ CLOSTAT®
- ✓ CLOSTAT® WS
- ✓ KEM-GEST™
- ✓ KEM SAN®



SOLUTIONS FOR SWINE

Help each pig reach its full production potential. Establish the intestinal integrity and protection your pigs need using our Gut Health Triple Check program.

Aleta™

Aleta offers a concentration greater than 50% of 1,3-beta glucans. Beta glucans have been used in humans and livestock as a way to enhance host protective immunity. Minimizing the impact of disease challenges early on in an animal's life can have an effect on their ability to gain weight faster, convert feed more efficiently and may be less likely to spread disease.

ButiPEARL™

ButiPEARL is the leading source of encapsulated butyric acid for providing targeted delivery along the GI tract. Butyric acid is an integral, short-chain fatty acid acting as an energy source for epithelial cells. Butyric acid also increases the expression of tight junction proteins in the intestines and increases antioxidant levels to promote healing in the GI tract.^{1,2}

ButiPEARL™ Z

ButiPEARL Z uses proprietary MicroPEARLS® spray freezing technology to encapsulate two synergistic nutrients, butyric acid and zinc. Butyric acid and zinc play an important role in key biological processes affecting the health and performance of livestock.

CaptiSURE™

CaptiSURE is a proprietary blend of medium chain fatty acids (MCFAs) derived from palm kernel oil, labeled as a liquid energy source for use in animal feed and feed materials. MCFAs have been shown to have antimicrobial properties in feed against gram (+) and gram (-) bacteria, as well as viruses.^{3,4,5,6}

CLOSTAT® AND CLOSTAT® WS

CLOSTAT and CLOSTAT WS contain a proprietary, patented strain of *Bacillus subtilis* PB6. PB6 is a unique, naturally occurring, spore-forming microorganism. Kemin internal research has shown PB6 can inhibit *Clostridium difficile* as well as other pathogens.⁷ CLOSTAT WS utilizes the same technology with water-soluble ingredients.

ENDOX®

ENDOX was formulated specifically to protect finished feeds by safeguarding fat-soluble vitamins against degradation, protecting complete feeds from fat oxidation, vitamin loss and more.

KALLSIL™

KALLSIL is a zeolite mineral clay used to support performance by reducing the harmful effects of naturally-occurring fungal metabolites found in livestock and poultry feeds. By absorbing moisture from feed, KALLSIL also reduces caking, resulting in improved flow in feed and feed ingredients.

KEM-GEST™

KEM-GEST is a blend of organic and inorganic acids designed to provide an economical means to acidify swine feed. This multi-acid approach helps protect a pig's GI tract from growth-limiting pathogens. Inhibition of pathogens promotes better gut health and production efficiency.

KemTRACE™ CHROMIUM

Essential to you and your operation.

KemTRACE Chromium — the first product of its kind on the market — is a safe, proven trace mineral. This highly bioavailable, organic source of chromium propionate helps to reduce the negative effects of stress and improve glucose utilization.

KEM SAN®

KEM SAN is a unique combination of effective organic acids. It has been proven to inhibit and kill a broad spectrum of pathogenic bacteria in drinking water. By reducing the pathogen load in the water, there are fewer challenges presented to the pig, which helps maintain gut health.

LYSOFORTE®

LYSOFORTE is a nutritional emulsifier designed to enhance digestion and absorption of energy-rich feed ingredients, including fats, oils and fat-soluble nutrients. Lysolecithins in LYSOFORTE help to reduce the energy required for fat digestion, thereby maximizing feed efficiency and providing better feed cost control.

Myco CURB®

Myco CURB is a mold inhibitor for feed, formulated to inhibit mold growth in processed feed ingredients, complete feed and total mixed rations (TMR). Myco CURB contains propionic acid blended with sorbic and benzoic acids and is buffered for improved equipment and employee safety.

RENDOX®

RENDOX stabilizes animal fats and protein meals during the rendering process with antioxidants to maintain product freshness, protect product quality, and increase product shelf life.

Sal CURB®

Sal CURB is an antimicrobial agent made from a blend of aqueous formaldehyde and organic acids. It is used as a *Salmonella* control in feed or feed ingredients to keep products *Salmonella*-negative for up to 21 days.

CHECK OUT OUR LINEUP AT [Kemin.com/MyTripleCheck](https://www.kemin.com/MyTripleCheck)

1-800-752-2864

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