



# Veterinary Nutritionals

Solutions and services for a profitable  
preventive strategy on farm







03

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### SAY YES TO PREVENTIVE HEALTH SOLUTIONS

The use of antibiotics needs to further decrease, and therefore we must keep on changing our way of working towards preventive health solutions. How do you cope with this as a Veterinarian? We have gathered valuable insights to allow you move towards this proactive role in enhancing animal health!

Read the guide towards a preventive approach.  
Download our booklet here:



As the world's population continues to grow, the demand for protein soars. Kemin is dedicated to developing ingredients that help producers raise healthy livestock and poultry. We are a trusted market leader in the animal feed, beef, dairy, poultry and swine industries. Our wide variety of science-backed solutions help optimize nutrition, improve gut health, support immune function, improve the absorption of nutrients, extend feed's shelf life and reduce harmful pathogens in the feed and water animals consume. Kemin's solutions are backed by a team of experts, as well as rigorous quality and safety standards, to ensure our customers get the most out of every product. Together, Kemin's industry-leading solutions are improving and strengthening safety throughout various stages of the global food chain.

### HEALTH SOLUTIONS

We provide scientifically proven solutions and services addressing bacterial, viral and parasitic diseases and toxicosis, to allow a switch from a reactive, treatment approach towards a proactive profitable preventive strategy while committing to responsible use of medicines on farm.







## Which challenges can be managed by health supplements?



- BRSV, PI3, Manheimia
- Enterotoxemia
- (Neonatal) diarrhea
- Polyserositis
- Respiratory problems
- Vaccination



- Cannibalism
- Coccidiosis
- Dysbacteriosis
- *E. coli*
- Heat stress
- Histomonas
- IBD, AI, ND, HEV
- Vaccination
- Lameness/  
*Enterococcus cecorum*
- Mycotoxicosis
- Necrotic enteritis
- *Salmonella*
- Wet litter and footpad dermatitis



- *Brachyspira*
- Enterotoxemia
- MMA (metritis, mastitis, agalactia)
- Mycotoxins
- Neonatal and weaning diarrhea
- PRRSv
- *Salmonella*
- Stillborn or weak piglets
- *Streptococcus suis*
- Stress
- Tail necrosis
- Vaccination
- Urinary tract infection
- ZnO replacement

### Preventive solutions as stand-alone or in combination:

- probiotics
- encapsulated organic acids and/or essential oils
- butyrates
- beta-glucans
- mycotoxin binders

### For:

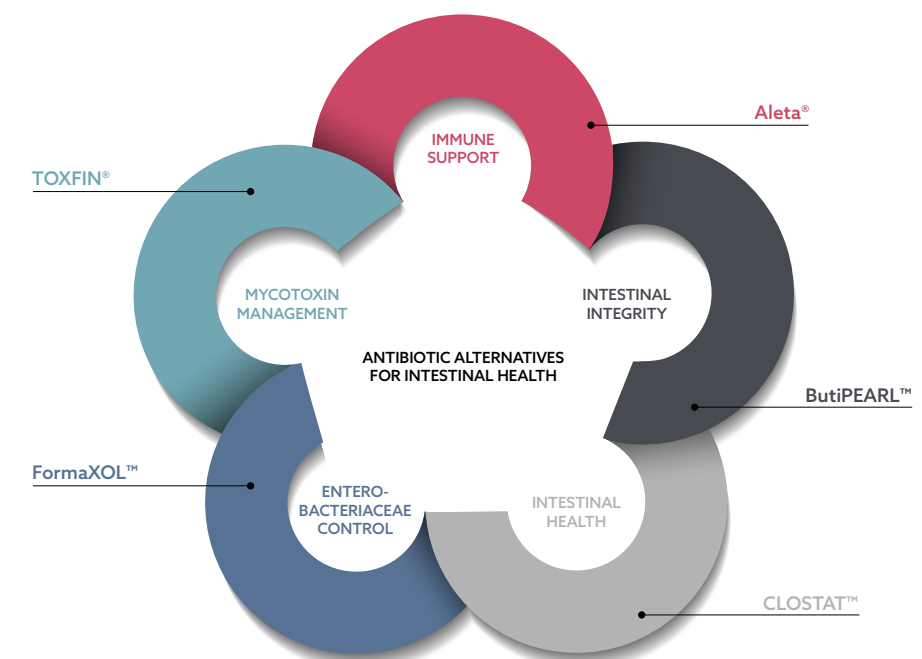
- intestinal health
- enterobacteriaceae control
- intestinal barrier
- immunity
- mycotoxins



## ADDITIVES PLAY A KEY ROLE IN DISEASE PREVENTION

The role of the Veterinarian is more important than ever. The use of antibiotics needs to further decrease, and therefore we must keep on changing our way of working towards preventive health solutions. We must switch from a reactive, curative approach (with antibiotics) to a preventive approach using alternative solutions.

Many of the alternatives can be used in combination to reduce the need to treat with antibiotics. Antibiotic alternatives can be offered by various channels such as immune support, intestinal integrity, intestinal health, *Enterobacteriaceae* control, and mycotoxin management.







Suitable for



Administer via



Packaging

- 25 kg bags
- 1kg - 5kg bags
- Box of 10x 100g sachets



[info.kemin.com/  
immune-modulator](https://info.kemin.com/immune-modulator)

Aleta™

A unique beta-glucan, derived from algae (*Euglena gracilis*), serving as an immune modulator to improve animal health.



Composition

Min. 50% of beta-glucan derived from a unique alga (*Euglena Gracilis*)



Mode of action

Rapidly recruiting and activating immune cells to the site of vaccination or infection, increasing the ability of animals to cope with the disease or vaccine.



Indications

- Before and during vaccination programs
- During stress periods (pathogens, heat, ...)
- Immunosuppression (YOPI group)
- Antibiotic reduction programs



Dosage

POULTRY	100 g per ton of feed
RABBIT	0.5 g per rabbit per day 100 g per ton of feed
CALF	1 g per calf per day
SWINE	0.5-1 g per head per day 200 g per ton of feed



Suitable for



Administer via



Packaging

- 25 kg paper bags



[kemin.com/butipearl](https://kemin.com/butipearl)

ButiPEARL™

Targeted release butyric acid for intestinal integrity



Composition

Encapsulated calcium butyrate 50% in a slow-release matrix.



Mode of action

Butyric acid stimulates enterocyte proliferation and intestinal villi growth in the whole intestine guaranteeing an optimal intestinal integrity.



Indications

- Newborn and young animals
- Diarrhoea, leaky gut
- Failure to thrive



Dosage

POULTRY	300-400 g per ton of feed
RABBIT	2 kg per ton of feed 1 g per rabbit per day
CALF	3 g per calf per day
SWINE	1-1.5 kg per ton of feed 15 g per sow per day
HORSE	10 g per horse per day



Suitable for



Administer via



Packaging

- 25 kg bags
- 1kg - 5kg bags
- Box of 10x 100g sachets



info.kemin.com/  
probiotic-growth-survivability



CLOSTAT®

More than a health insurance.  
A probiotic for better uniformity, growth and survivability.



Composition

Spores of *Bacillus* PB6 (ATCC PTA-6737).



Mode of action

After ingestion of the spores and passage of the stomach, the CLOSTAT spores germinate, start to multiply in the intestine and perform their action:

1. Modulates against *Clostridium* spp
2. Stimulates the proliferation of *Lactobacillus* and *Bifidobacterium* in the intestine
3. Reduces intestinal inflammation
4. Stimulates a well developed and diverse intestinal microbiome



Indications

- Prevention and cure of dysbiosis and diarrhea
- Recovery from antibiotic treatment
- Useful tool in antibiotic reduction programs
- Manages enteritis symptoms



Dosage

	CLOSTAT® Dry	CLOSTAT® HC SP Dry
POULTRY	> 500g/t of feed	> 25g/1000l water
Meat-type POULTRY	> 500g/t of feed	> 50g/1000l water
RABBIT	> 500g/t of feed	> 50g/1000l water
SWINE	> 500g/t of feed	> 25g/1000l water
CALF & RUMINANT	> 5g/100kg live weight	> 1g/100kg live weight



Suitable for



Administer via



Packaging

- 25 kg paper bags



kemin.com/formaxol

FormaXOL™

A non-antibiotic solution, supported by its encapsulation technology and empowering synergism in between its ingredients, to manage *Enterobacteriaceae* (e.g. *Salmonella*, *E. coli*)



Composition

Microencapsulated blend of organic acids (calcium formate and citric acid) and pre-encapsulated functional flavour ingredients (cinnamaldehyde, orange terpenes, capsicum oleoresin, thymol, carvacrol , eugenol).



Mode of action

Formic acid has been proven to kill *Salmonella* & *E. coli*. In FormaXOL, formic acid, citric acid, and functional flavours are microencapsulated with two specific technologies ensuring an effect along the digestive tract.

Delivered at the right spot due to its technology, the functional flavours will damage the gram-negative bacterial cell wall and facilitate the entrance of the organic acid within the bacteria, resulting in bacterial death.



Indications

- In case of high *Enterobacteriaceae* (e.g. *Salmonella*, *E. coli*) challenge



Dosage

POULTRY	0.5-2.5kg/t of feed for meat-type poultry 0.5-4kg/t of feed for layers and breeders and game birds
SWINE	1-1.5 kg per ton of feed

\* Other variants FormaXOL F, Formyl, Formyl 2B are available in some markets.





#### Suitable for



#### Administer via



#### Packaging

• 25 kg bags



[kemin.com/toxfin](https://kemin.com/toxfin)

## TOXFIN®

The TOXFIN range offers multiple solutions to reduce the bioavailability of mycotoxins and their negative effects, aiding the production of safe feed.



### Composition

TOXFIN® is a family of broad spectrum mycotoxin binders:

**TOXFIN® Dry\***: a clay based broad spectrum mycotoxin binder for prevention or in case of low contaminations

**TOXFIN® XL**: a clay based broad spectrum mycotoxin binder for prevention or in case of low to medium contaminations with Zearalenone and T-2

**TOXFIN® CARE**: an extensive protection with an all-in-one strategy: clay minerals, plant extracts, algae beta-glucan. Recommended in case of high contamination or in case of DON contamination

*\*Also available for organic production: TOXFIN® Green Dry*



### Mode of action

The clays assure a binding of mycotoxins starting from the first segment of the gastrointestinal tract, keeping mycotoxins bound till the excretion in faeces.

Additionally, next to reducing the bioavailability of mycotoxins by clay minerals, TOXFIN CARE prevents the potential harmful effects caused by mycotoxins: it reduces oxidative stress, safeguarding organs and tissues from potential damage, protects the liver and supports the immune system.



### Indications

- Prevention of mycotoxicosis
- Reduces symptoms associated with mycotoxicosis



### Dosage

	Low level	Medium level CO-presence	Medium to high level ZEA & T-2	High level
<b>POULTRY</b>	TOXFIN Dry 1kg	TOXFIN Dry 2kg	TOXFIN XL 2kg	TOXFIN XL TOXFIN CARE 2,5kg
<b>SWINE</b>	TOXFIN XL 1kg	TOXFIN XL TOXFIN CARE 2kg	TOXFIN XL TOXFIN CARE 2kg	TOXFIN CARE 2kg
<b>RUMI- NANT</b>	TOXFIN Dry 20g/h/d	TOXFIN Dry TOXFIN XL 25-50g/h/d	TOXFIN XL 50g/h/d	TOXFIN XL TOXFIN CARE 50-100g/h/d
TOXFIN per tonne of feed in monogastric or per head/day for ruminants				



## Unique services for our partners

It is our role to support you in your stakeholder role as a vet. Therefore we offer multiple services.

Our expert team is always available for advice and farm visits to design tailor-made solutions. Our Customer Lab Service is able to support you with multiple diagnostics, ranging from quick rapid on-farm tests to lab tests. Our engineering department ensures a correct application of the product on farm.



### MYCOTOXIN ANALYSIS

Our teams screen thousands of raw material and feed samples for a wide range of mycotoxins. Advice how to mitigate the mycotoxin risks is shared. Rapid detection kits for on farm use are also available.

### ANTIBODY TITER DETECTION

Our teams are able to perform different antibody titer measurements on blood samples to ensure an effective vaccination, as well as immunoglobulin (IgG and A) detection in milk and colostrum.



### CLOSTAT® RECOVERY

Our teams are able to screen the feed for the presence and CFU of CLOSTAT, ensuring an efficient dosing and guaranteeing the presence of CLOSTAT in the feed.

### DIAGNOSIS OF INTESTINAL PATHOGENS

We offer you on farm diagnostic kits for various pathogens in feces in poultry and pigs.



### TECHNICAL ADVICE

Our technical service team is at your service to support you in your preventive on farm strategies.

### APPLICATION SYSTEMS

On farm systems to allow direct in feed application of our solutions.

It is our role to support you in your stakeholder role as Veterinarian. Therefore, we constantly develop training and tools in different formats for you to utilize as you feel appropriate.

**For more info, please visit our website or scan the QR code:**

[info.kemin.com/  
veterinary-nutritionals](http://info.kemin.com/veterinary-nutritionals)



**Do you have a question or want more information? Please contact us or scan the QR code:**

[kemin.com/contact-us](http://kemin.com/contact-us)



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