

# BIOTEC

ANIMAL HEALTH SOLUTIONS

**Your Trusted Partners in Animal  
wellbeing and growth solutions  
BIOTEC MALAYSIA**

**FEED ADDITIVES  
2022**



## TOWELCOME TO BIOTEC

BIOTEC was established in Malaysia to serve farms with bionatural health remedies and growth solutions.

It is main focus is to assist animal care takers in their work and help them promote better production circumstances both for animals and business owners.

Having the experience in this domain for the past 10 years, we believe our solutions are effective and the feedback we receive from farmers are heart warming.



## ABOUT US

- BioTech Malaysia is a well brand in the world of animal wellbeing and growth.
- This is because of the technology-driven culture of providing our solutions to the world.
- Our partnerships with leading producers of poultry and livestock allow us to explore new challenges, therefore use best technologies to solve it.





# BUSINESS PRINCIPLES

Being in the market of animal nutrition and health control, we have gained tremendous trust and great reputation among distributors.

We give highest priority during work at BIOTEC to make sure we do best products in best quality and reach our customers through best partners.



## **BEST QUALITY**

Many things could convince customers in business, but what sustain is quality. We make sure our products are top quality.



## **BEST PARTNERSHIP**

Business partners bring more success both for themselves and to us. We always look for new reliable business partners.



## **BEST PRODUCTS**

Market has new challenges, and so we provide new products, Our principle is to provide best scientific products to the market.

# QUALITY ASSURANCE

At BIOTEC, we maintain a world class quality assurance system to make sure every step in our business from procurement of raw materials until shipping and handling are done in the most appropriate and efficient way possible. Working with BIOTEC is both profitable and hassle-free.



## RAW MATERIALS

Using raw materials from world-leading sources.



## MANUFACTURING

Performing international production practices.



## PACKING & HANDLING

Using best packing materials for quality persistence.





# BIOTECT TODAY

BIOTECH is constantly moving towards the trend in the market of veterinary and animal health care.

New products are being prepared to face the continuous battle with infections and outbreaks in farms.

Our partners in this journey are farmers and mega production companies in the world.





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# FEED ADDITIVES

- Feeding Solutions
- Growth Management
- Health Maintenance



**BIOTEC**  
A caring way every day.





# BIOFAT

**BIOFAT has been shown to provide many benefits for dairy cows during lactation.**

## MAJOR INGREDIENTS & SPECIFICATION

Refined palm oil and natural essential additives.

| Crude Fat (%) | Moisture (%) | Iodine (%) | Color     | Net Energy (Kcal/kg) |
|---------------|--------------|------------|-----------|----------------------|
| ≥ 99.0        | < 0.5        | ≤ 19       | Off white | > 6200-6400          |

| Proprietary Formulation | Value  |
|-------------------------|--------|
| Glycerin                | 10%    |
| MCFA & SCFA             | 3.5%   |
| C 16:0 Palmitic Acid    | 70-90% |
| C 18:0 Stearic Acid     | 5-10%  |
| Unsaturated Fatty Acid  | 3-10%  |

## PRODUCT DESCRIPTION

BIOFAT is the latest generation of Rumen ByPass Fat Powder produced by BIOTEC. One of the greatest challenges for dairy producers is to get cow to consume sufficient amount of energy, can be during the early lactation period. Energy intake can be maximized by increasing the every density of the diet. This can be achieved by introducing fat into the total feed diet.

## DOSAGE

500 gm - 1kg /Tonne of feed

## PACKAGING SPECIFICATION

25 Kg/bag

## STORAGE PERIOD

3 year under ordinary temperatures (°25C)

## STORAGE CONDITION

Placed in ventilate, dry, shady and cool place, avoiding sunlight.

25  
KG





# BIOTOX

## Ultimate Toxin Binder with Mold Inhibitor

### INDICATIONS

To improve the sanitary state of the feed (elimination of fungal producers of mycotoxins and pathogenic bacteria in feed); Control of the content of mycotoxins in the feed and the rapid elimination of their negative effects; To bind mycotoxins; To preserve the productivity and maintain the immunity of animals when they feed mycotoxin-infected feeds; To bind and remove from the gastrointestinal tract representatives of pathogenic microflora such as E. Coli and Salmonella

### BENEFITS

Inhibits the growth of mold and fungal bacteria Binds toxins, eliminates the effects of poisons and removes them from the body Prevents food from clumping under the influence of toxins. Maintains pH of food and digestive tract Interferes with the action of aflatoxins Prevents a variety of mycotoxicosis (caused by T2 toxin, zearalenone, aflatoxin, zearalenone and fumonisin B 1 ) Ochratoxicosis Prevents fungal infection.

Increases feed conversion rate Prevents animal disease Prevents the development of primary and secondary infections. Provides antibacterial, hepatoprotective, immunostimulating properties contains Live yeast which on disintegration liberates MOS and B glucans Which potentiates action of toxin binder and helps to boost immunity Activated Carbon-Activated carbon has high degree of porosity which greatly does not allow Fungus to grow in feed, hence improves shelf life of finished feed provides optimal elimination of full range of Mycotoxins & helps to improve Gut Health Immunity.

doesnot adsorb vital Nutrients and Vitamins from feed effective on Bacterial Endotoxins & Chemical toxins.

### DOSAGE

Mytoxin prevention Programme: 500 gm/Tonne of feed  
Mycotoxin Treatment Programme:1kg /Tonne of feed  
(When high degree of mould growth & toxicity is suspected)

### PACKAGING SPECIFICATION

25 Kg/bag

### STORAGE PERIOD

3 year under ordinary temperatures (°25C)

### STORAGE CONDITION

Placed in ventilate, dry, shady and cool place, avoiding sunlight.

# 25 KG



# CHOLINE CHLORIDE 60%

The young chicken needs choline more due to the inability to synthesize at a sufficient rate.

## INDICATIONS

Perosis in Chick.

- To prevent decreased egg size.
- To increase production percentage.
- For mobilization of excess fat from the liver (Fatty Liver Syndrome),
- To decrease chick mortality during rapid growth.

## PHARMACOLOGY

Choline chloride premix is a vitamin product used as an additive used in animal feed. It contains vitamin B4 and is generally an essential component as it helps to prevent perosis in poultry. Chemically it is a precursor of acetylcholine which influences the transmission of impulses from nerves to muscles.

Choline chloride supplementation is required for normal functioning, growth, production, and feed efficiency in poultry and rumen-protected choline improves milk yield and milk fat and reduces blood serum non-esterified fatty acids and cholesterol in dairy cattle and buffaloes.

## DOSAGE

Poultry: 100 - 50 gm / 100 kg feed continue. Or, according to registered veterinary doctor or poultry consultant.

## PACKAGING SPECIFICATION

25 Kg/bag

## STORAGE PERIOD

3 year under ordinary temperatures (°25C)

## STORAGE CONDITION

Placed in ventilate, dry, shady and cool place, avoiding sunlight.

# 25 KG





# DL-METHIONINE

## 99%

**Feed grade products are manufactured under appropriate controls for use as a feed additive in animal production.**

### INDICATIONS

To prevent deficiency of Methionine. DL-Methionin, one of essential amino acids and sulfur amino acids, is the first limiting amino acid in poultry, and probably also in high-yielding cows, and is the second or third limiting amino acid in pigs fed conventional diets. Methionine is an essential amino acid for all animals, but they do not produce it themselves, meaning they have to get it from their feed. The methionine content of natural ingredients is generally low, so to meet the animals' requirements, additional methionine must be provided in their feed as a nutritional feed additive.

### PHARMACOLOGY

DL-Methionine is a concentrated form of Methionine an essential Amino acid and very much important for poultry. But it is not synthesized by poultry. So supplementation of DL-Methionine with finished feed is important to get proper benefit from poultry. Deficiency of DL-Methionine causes decreased growth rate of birds, poor feathering, decreased egg production of Layer, cannibalism, decreased feed efficiency, decreased weight & size of eggs.

### DOSAGE

For Broiler: 100-50 gm / 100 kg feed continue  
For Layer: 80-40 gm / 100 kg feed continue

### PACKAGING SPECIFICATION

25 Kg/bag

### STORAGE PERIOD

3 year under ordinary temperatures (°25C)

### STORAGE CONDITION

Placed in ventilate, dry, shady and cool place, avoiding sunlight.

# 25 KG



# L-LYSINE

## 98.5%

**L-Lysine is an important part of a well-balanced animal nutrition program, including swine, poultry, and aquatic feed.**

### PHARMACOLOGY

L-Lysine HCl improves the efficiency of protein utilization in animal feeding. It increases the efficiency of animal protein production. It promotes the meat quality & increases the growth rate of Broiler. L-Lysine HCl protects bird from heat stress.

### INDICATION

To prevent deficiency of L-Lysine, heat stress. Lysine is an indispensable part of any feed formulation for pigs and poultry. It is amongst the top limiting amino acids for all monogastric species, including pigs, poultry, rabbits, pets and non-ruminating calves and other cloven-footed animals. L-Lysine is one of the most widely used amino acids. It is an essential amino acid required in the diets of swine, poultry and most other animal species. L-Lysine is frequently missing in most animal feeds. By adding it to the animal feed enables the animals to get a more balanced diet. L-Lysine forms an essential part in animals' diet. Inclusion of L-Lysine in the feed can help enhance the protein utilization and balance.

### DOSAGE

100-50 gm / 100 kg feed continue Or, according to registered veterinary doctor or poultry consultant.

Contraindication & Precaution:

L-Lysine HCl is not contraindicated for birds at recommended

### PACKAGING SPECIFICATION

25 Kg/bag

### STORAGE PERIOD

3 year under ordinary temperatures (°25C)

### STORAGE CONDITION

Placed in ventilate, dry, shady and cool place, avoiding sunlight.

# 25 KG





# THERIONINE

## 98%

**L-threonine contributes to the growth of skeletal muscle, is part of immune proteins and of a number of digestive enzymes, plays a major role in the synthesis of purines and glycine, is a source of energy, and regulates feed consumption.**

### INDICATIONS

Threonine; it is clear that inclusion of dietary Threonine, enhances the growth performance and improves gut morphology, immunity and carcass characteristics in broilers. Threonine improves the efficiency of protein utilization in animal feeding. It increases the efficiency of animal protein production. It promotes the meat quality & increases the growth rate of Broiler. due to continuous improvement in genetic potential and management practices for poultry production, dietary Threonine requirements are changing.

### BENEFITS OF THERIONINE

Threonine is an essential amino acid that promotes the growth of skeletal muscles, is a part of immune proteins and some digestive enzymes, plays a major role in the synthesis of purines and glycine, is also a source of energy, and regulate feed intake. Groups of animals: pigs, poultry.

### DOSAGE

100-50 gm / 100 kg feed continue Or, according to registered veterinary doctor or poultry consultant.

### PACKAGING SPECIFICATION

25 Kg/bag

### STORAGE PERIOD

3 year under ordinary temperatures (°25C)

### STORAGE CONDITION

Placed in ventilate, dry, shady and cool place, avoiding sunlight.

# 25 KG



**BIOTEC**  
Quality care for life.



**THANK YOU**



# FEED ADDITIVES

# 2022

# BIOTEC

ANIMAL HEALTH SOLUTIONS

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