

IMMUNOZYME

Product Of France

Composition Per Ltr

Vitamin E:.....	100000mg
Monopropylene Glycol:.....	75000mg
Lysozymesl:.....	2000000mg
Selenium:.....	1000mg
Sorbitol:.....	25000mg
Choline chloride:.....	10000mg

INDICATIONS:

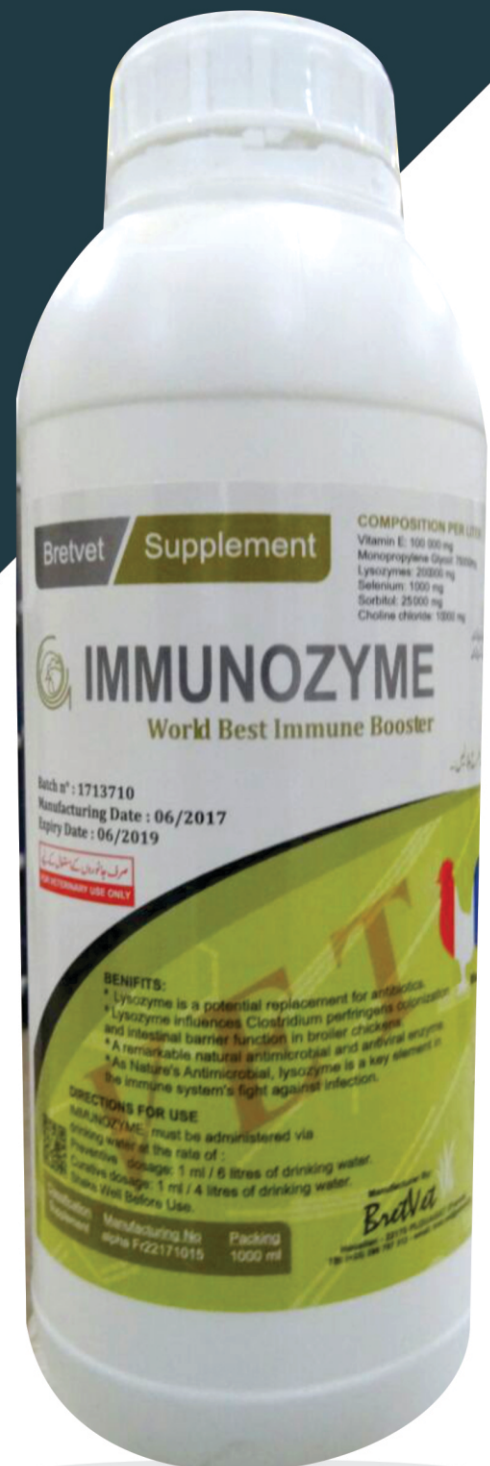
Lysozyme is potential replacement for antibiotics
Lysozyme influences Clostridium perfringens
colonization & intestinal barrier function in
boiler chickens.

A remarkable natural antimicrobial and antiviral
enzyme. As nature's Antimicrobial, lysozyme is key
element in the immune system's fight against
infection.

Marketed by:



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Vitamin E

- ❖ Vitamin E is group of compounds include both tocopherols and tocotrienols of many different forms of Vit E.
- ❖ It is found in many foods, vegetables oil, cereals, meat, poultry and fruits .
- ❖ It is fat soluble antioxidants.
- ❖ The most widely known health benefits of vitamin E are protection against toxins.
- ❖ Vitamin E in poultry is manifested in three different forms
 - ❖ 1.Encephalomalacia 2. Muscular dystrophy 3.Exudative diathesis
- ❖ Vitamin E can't be synthesized by poultry and there must be ingested via their diet.
- ❖ It is activity absorbed in the gut and transported via lymphatic pathway to liver.
- ❖ It is deposited in a dose dependent way in cellular and sub cellular membranes.

Lysozyme

- ❖ Lysozyme also known as muramidase is an antimicrobial enzyme produced by animals, part of the innate immune system.
- ❖ It is capable of bearing the chemical bonds in the outer cell wall of the bacteria.
- ❖ Lysozyme targets a layer of peptidoglycan of bacteria cell wall.
- ❖ Lysozyme, enzyme found in the secretions like tears, in nasal mucus, gastric secretion and egg white.

Sorbitol

- ❖ Also known as glucitol is non volatile Polyhydrate Sugar Alcohol, chemically stable water soluble.
- ❖ It works by retaining fluid in intestine which helps to increase muscle movements.

Calcium Gluconate

- ❖ A mineral supplement used for bone formulation.
- ❖ It is used in removal of extra minerals from body after binding as Phosphate.
- ❖ A best antidote for Magnesium Sulphate toxicity.

Choline choride

- ❖ It is organic compound and quaternary ammonium salt .
- ❖ Its alternate names are hepacholine, biocolina, lipotril and Vitamin B4.
- ❖ It is common dietary supplement in poultry and live stock.

- ❖ Choline choride helps to prevent liver enlargement in chicks and perosis.
- ❖ It also helps in the formation of the neurotransmitter, acetylo choline, maintaing proper nervous system functioning.

SELENIUM

- ❖ Generally there are two major sources for poultry namely
 - ❖ 1. Inorganic selenium (selenite) 2. Organic selenium (Selenomethionine)
- ❖ Selenium is of great importance for the maintenance of the antioxidant system of the developing embryo.
- ❖ Selenium is used in impaired growth and development, poor feathering, reduced egg production and hatch ability.
- ❖ Low selenium level reduces the immune system functions and animals are more prone to develop disease.
- ❖ Selenide is assumed to be the main precursor of selenium metabolism.
- ❖ It has three main conversion routes.
 - ❖ 1.Transformed to selenium phosphate for insertion of Selenium crystal RNA in Selenoprotein.
 - ❖ 2. At low levels, selenoprotein synthesis is also converted to selenosugars for excretion.
 - ❖ 3. High levels of intake, methyl transfeerese help in excretion thorough breath and feces.
- Selenoprotein P is the major selenoprotein synthesized in the liver and is released to the blood stream as a transporter of selenium in the body.

Storage:

Keep well sealed in cool dry palace, protected from direct sunlight. Shake well before use.

Dosage And Administration:

Immunozyyme must be administered via drinking water at rate of,
Preventive dosage: 1ml/6 liters of drinking water.
Curative dosage: 1ml/4 liters of drinking water.

Manufacturer By:

BretVet 

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