

## Alternative option to using antibiotics for disease prevention in animal & poultry industry

Over the time most of the conventional methods of treating a disease in poultry are confined. It is possible to maintain the poultry health in natural way, with main focus on preventing illness as an ultimate goal. Virus, Bacteria and Parasites are the three major classifications that cause diseases in poultry. In order to cease the progression of deadly diseases, it is necessary to use antibiotics or vaccines. In 20<sup>th</sup> century, livestock and poultry producers started incorporating antibiotics. Since livestock and poultry are preferred for consumption, the use of antibiotic is restricted. Antibiotics have been used for treatment of diseases, for prevention and control of diseases and also as growth promoters.

However the unreasonable use of antibiotics has given rise to the fear of the development of resistant bacteria, which may lead to the transfer of resistant bacteria and its resistant factors from animals to humans. Hence European Union and other countries have banned anti-biotics. Thus the ban on in-feed use of antibiotics has led to increase of infections in animals and thereby decrease in animal production. “A lack of effective antibiotics is as serious a security threat as a sudden and deadly disease outbreak” says WHO.

In recent years, the use of additives of natural origin in animal and human nutrition has been encouraged. These phytogetic feed additives are herbs and plant extracts which positively affects the poultry health and productivity, by improving digestibility, nutrient absorption and eliminating the pathogens from animal gut.

In ancient days our ancestors had a better knowledge regarding the benefits of herbal extracts. They are highly effective and have a better curative property than the current way of treatment. Herbal / traditional plant medicines have been used for longer time in order to maintain the immune system and for strengthening the body. Chinese, Tibetan, Taoist, Japanese, Indian ayurveda contributed well known methods for treating the diseases in olden days. As India is having a rich bio-diversity of herbs and medicinal plants, now western and eastern countries are trying to adopt the natural medicine of Indian origin for their application on poultry, cows and aqua culture.

PhytoGENICS along with enzymes seem to have beneficial effects in poultry as it prevents and treats pathological conditions, acts as a defense agent against physiological and environmental stress, better appetizer and digestive stimulant with controlled litter. Enzymes also play a vital role in treating some diseases like **necrotic enteritis**. CAPRIENZYMES, a Chennai based company offshoot a novel innovative product in phytogetic feed additives to pinch hit for antibiotics, for further details you can walk in and get the vital information in “Poultry India - an international exhibition for the poultry industry” November 22-24, 2017 at Hitex Exhibition Complex, Hyderabad, India. This event provides valuable information about poultry industry, poultry feeds, poultry equipments, technology, chicken breeders, Egg farming, poultry nutrition, animal health and international poultry production. It also offers latest advances in poultry research, science and technology like cages and feed milling importance. It provides advanced knowledge and understanding of poultry industry via scientific forums, trainings and career opportunities in the Poultry Industry.



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