



IMMUNOTECH FORTE®

Enzymes | Vitamins | Amino Acid

IT'S A

FORTIFICATION

TO KEEP YOUR BIRDS SAFE & IMMUNE FROM

DISEASES

COMPOSITION



ENZYMES

- **Serratiopeptidase**
Serratiopeptidase is a systemic enzyme that stimulates immunity, reduces oedema and fights inflammation. It works by inhibiting biofilm around bacteria which makes them resistant to anti-microbial and phagocytosis.
- **Nattokinase**
Nattokinase has great fibrolytic activity at cellular level.
- **Bromelain**
Bromelain has a very strong anti-inflammatory activity.
- **Papain**
Papain is the cleaving enzyme which acts within the cells. It also has a soothing effect on stomach and aids in digestion along with anti-inflammatory activity.
- **Rutin**
Rutin has great action as antihistaminic, antiviral and anti-inflammatory activity. It is a phenolic antioxidant and has been demonstrated to scavenge superoxide radicals.
- **Bioflavonoid**
Bioflavonoid is a plant pigment which has antihistaminic activity. It is also a very powerful antioxidant that fights free radicals which are responsible for oxidative stress and causing disease. Bioflavonoid has antiviral and anti-carcinogenic properties. It also promotes the non-specific actions of the immune system.



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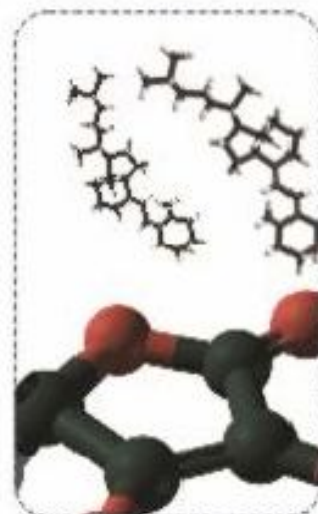
VITAMIN

● Vit. E

Vitamin E is an excellent biological chain-breaking antioxidant that protects cells and tissues from lipoperoxidative damage, induced by free radicals. Vitamin E in chickens is suggested to have a significant role in the development of immune response through protection of the cells, such as lymphocytes, macrophages and plasma cells from oxidative damages, and enhances the function and proliferation of these cells in facing the oxidative stress.

● Vit. C

Vitamin C limits the metabolic signs of stress and alleviates the physiological consequences of stress, resulting in improved performance, immunological competence and behaviour of chickens.



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AMINO ACID [ARGININE]

● Arginine

Under heat stress conditions Arginine has the ability to alleviate this stress and to normalize the growth performance. Dietary Arginine supplementation reduces ascites mortality under low ambient temperatures, attenuates the adverse effects of heat stress and high stock density, activates the immune system and enhances its responses to different common diseases in poultry farms. Arginine supplementation in poultry diets improves egg production, egg weight, modulates lipid metabolism towards reducing total body fat accumulation to improve meat quality and increases antioxidant defense under normal conditions.



MODE OF ACTION

- ▲ It binds to alpha -2-macroglobulin in the blood in the ratio of 1:1, which helps to mask its antigenicity but retains its enzymatic activity and is slowly transferred to site of infection.
- ▲ It hydrolyses bradykinin, histamine and serotonin responsible for inflammation due to infection.
- ▲ It reduces virus replication and bacterial multiplication by eating away at the protein shell surrounding the virus & cell wall of bacteria.
- ▲ It protects the cells & tissues from oxidative damages induced by free radicals.

