

Benefits

- ✦ Reduces early chick mortality
- ✦ Maintains gut barrier integrity, modulates immune responses, and supports overall gastrointestinal health.
- ✦ Promotes serum IgM and IgY levels to enhance birds immunity
- ✦ Activates immune cells by producing cytokines and chemokines
- ✦ Promotes good health and reduces use of antibiotics

Recommended usage (feed grade)

- ✦ Layer and Broiler: 250 gm per ton of feed
- ✦ Breeder: 500 gm per ton of feed

Recommended usage (Water soluble)

Broilers – 10,000 Birds

Week	Morning (in kg)	Evening (in kg)	Daily Total (in kg)	Per Week (in kg)
1	0.1	0.1	0.2	1.4
2	0.175	0.175	0.35	2.45
3	0.225	0.225	0.45	3.15
4	0.275	0.275	0.55	3.85
5	0.34	0.34	0.68	4.76*
			Total	11.76 kg

- ✦ 5th week supplementation only in case of epidemic in the area.

Pack Size

Feed grade - 25 kg drum
WS grade - 1 kg & 25 kg drum



When unwanted pathogen exposure and disease prevalence is a concern...



Build natural immunity and minimize the use of Antibiotics!!!

Introducing
1st Time in India
Innovative Postbiotic formulation

METAMUNE-Vet

Postbiotic Immunomodulator

METAMUNE - VET is a postbiotic blend enriched with antioxidant and immune-boosting metabolites of Lactobacillus, Streptococcus and Bifidobacterium probiotics

METAMUNE - VET stimulates the immune system in poultry, reduces the chance of diseases, improves health and reduces mortality in birds.

Composition

Each pack contains:

High metabolite antioxidants and immunogens
(metabolites of Lactobacillus, Streptococcus and Bifidobacterium probiotics)



METAMUNE-Vet
Postbiotic Immunomodulator

Mechanism of Action

Enhances immune responses

Suppress the expression of toll-like receptor 4 (TLR4), regulate T cell differentiation, and inhibit the NF- κ B pathway activity by improving the intestinal immune response to pathogenic bacteria.

Stimulates T helper cells

Stimulate T helper cells (CD3+CD4+ T lymphocytes), cytotoxic T cells (CD3+CD8+ T lymphocytes), and regulatory T (Treg) cells (CD3+CD4+CD25+ T lymphocytes) in the spleen and cecal tonsils of laying hens.

Promotes IgM and IgY levels

Activates beneficial immune response of broiler chickens and enhanced broilers' immunity by promoting serum IgM and IgY levels. It has been found that feeding a postbiotic improved the serum IgM and IgY levels in broilers.

Activation of gut mucosal immune system

Interact with intestinal epithelial cells and immune cells present in the gut-associated lymphoid tissue (GALT), such as Peyer's patches. This interaction may stimulate the production of mucosal antibodies (e.g., IgA) and enhance local immune responses against pathogens.

Production of cytokines and chemokines

Activates innate immune cells such as macrophages and dendritic cells, leading to the production of pro-inflammatory cytokines and chemokines that recruit immune cells to sites of infection. Enhances the activity of natural killer (NK) cells, promotes the maturation and activation of adaptive immune cells, including T cells and B cells.

Powerful Metabolites for Disease Prevention and Immune Support