

ATC-IMMUNOMAX

Immuno peptide

For Intestinal Health

DESCRIPTION

ATC-IMMUNOMAX is an antimicrobial peptide designed to fight against a range of Gram negative bacteria and Gram positive bacteria.

This innovative solution combines two powerful bioactive compounds:

- **Citrocin:** A 19 amino acid long antimicrobial peptide produced using a patented yeast fermentation process
 - **Surfactin:** One of the most powerful biosurfactants, which is generated by *Bacillus* and has antimicrobial activity against certain strains of pathogenic bacteria, such as *Clostridium* spp.
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CORE INGREDIENTS

Ingredient	Specification
Citrocin	≥ 5000 mg/kg
Surfactin	$\geq 50,000$ mg/kg
Crude protein	$\geq 5\%$
Ash	$\leq 25\%$
Loss on drying	$\geq 10\%$

FEATURES

Citrocin's Structure

- Confers high thermal stability and resistance against proteolytic degradation
- Strong activity against *E. coli* and *Salmonella*

Surfactin's Natural Functions

- Involvement in the formation of spore developing structures and biofilm
 - Swarming mobility and quorum sensing
 - Antimicrobial activity
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BENEFITS

- ✓ **Antibiotic Alternative** for poultry and other species
 - ✓ **Improves Animal Performance** - Better growth rates and feed conversion
 - ✓ **Enhances Host Protective Immunity** - Strengthens natural defense mechanisms
 - ✓ **Improves Fat Digestion and Absorption** - Optimizes nutrient utilization
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MODE OF ACTION

1. Antimicrobial Mechanism

Direct action against pathogenic bacteria through membrane disruption and cell lysis

2. Immunomodulatory Mechanism

Stimulation of immune response through enhanced production of immune cells and antibodies

3. Intestinal Health Improvement

Strengthened gut barrier function and improved nutrient absorption capacity

DOSAGE RECOMMENDATIONS

Species	Dosage (g/ton of feed)
Piglet	300-500
Sow	200-400
Finisher	100-300
Broiler	150-300
Breeder/Layer	150-300
Dairy cattle	200-300
Beef cattle	150-250
Sheep	100-200
Fresh water fish	400-600
Sea water fish	500-700
Crustaceans (shrimp, crab)	500-700
Special economic animal	300-800

STORAGE

Store in cool, dry place out of direct sunlight.

Keep bag closed when not in use.

PACKAGING

20 kg/bag

CONTACT

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Natural Solutions for Animal Health Performance Through Innovation

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This product is manufactured under strict GMP/QC standards to ensure consistent quality and performance.