



RIGEL
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Delivered with Care.



PROTI CLEAR

A High-efficacy Protease enzyme

Advanced Protease Enzyme for Clear Protein Utilization

Key Performance Benefits

- ✓ Maximizes Protein Utilization
- ✓ Improves Feed Conversion & Growth
- ✓ Supports Gut Health & Performance Stability
- ✓ Reduces Feed Cost & Nitrogen Wastage



Overview

ProtiClear is a high-potency protease enzyme formulation developed to maximize protein breakdown and utilization in poultry nutrition. By efficiently converting complex proteins into readily absorbable peptides and amino acids, ProtiClear improves nitrogen efficiency, enhances feed performance, and supports healthier digestive function.

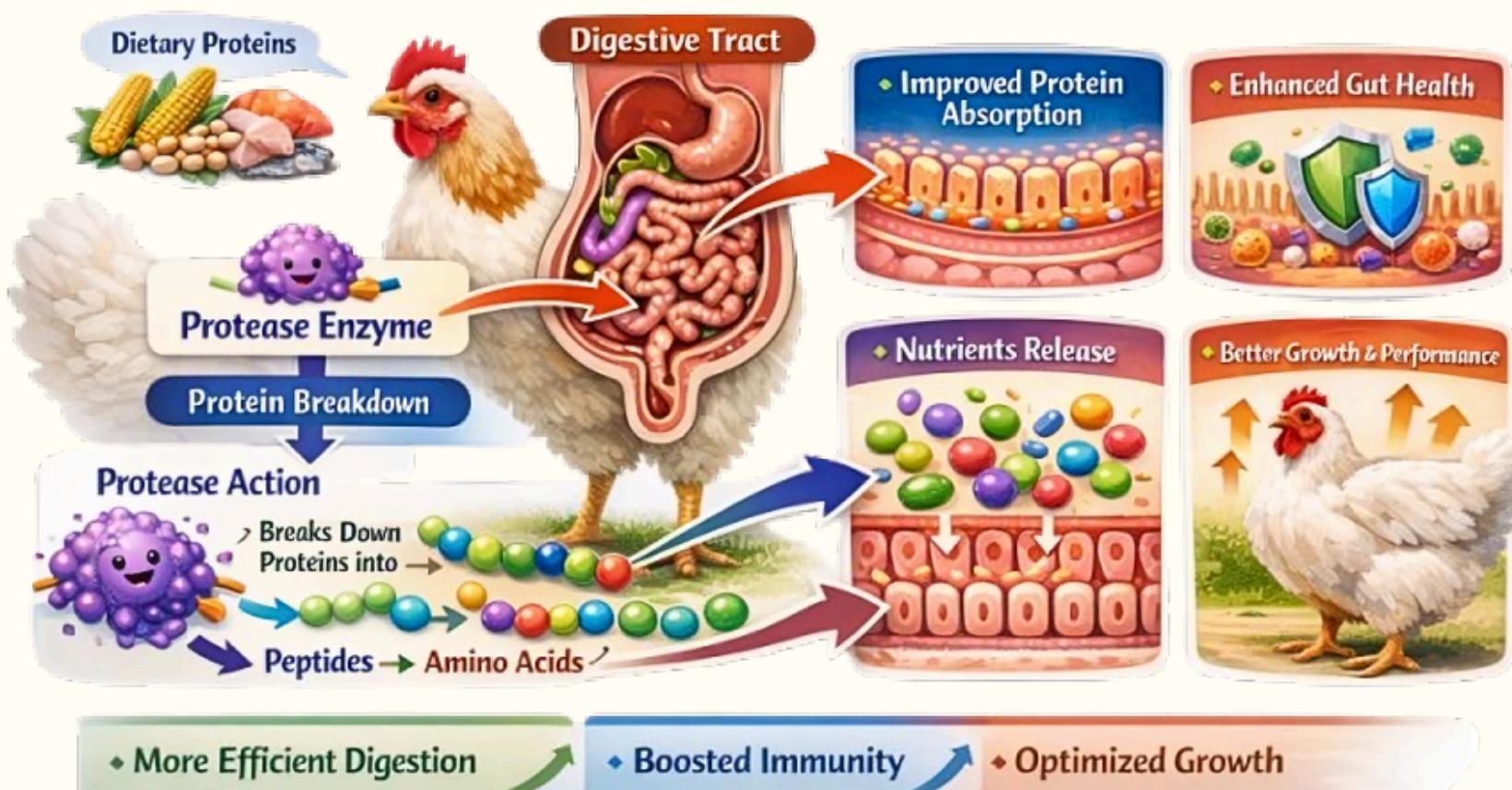
Its targeted enzymatic action reduces protein wastage, optimizes amino acid uptake, and lowers nitrogen excretion—resulting in better growth performance, improved feed economics, and reduced environmental impact.

Composition

Each gram contains protease enzyme with a minimum activity of 700,000 IU/g, formulated on an inert carrier base (Q.S.) (tested by HB method).

Mode of Action

- Catalyzes the hydrolytic cleavage of complex dietary proteins into low-molecular weight peptides and free amino acids.
- Enhances intestinal amino acid bioavailability and improves nitrogen retention, thereby optimizing protein utilization efficiency.
- Inactivates protein-derived anti-nutritional factors, reducing their inhibitory effects on digestive enzyme activity and nutrient absorption.
- Decreases the accumulation of undigested protein substrates in the gastrointestinal tract, promoting a balanced and stable gut microbiota.
- Reduces intestinal ammonia generation and overall nitrogen excretion, contributing to improved metabolic efficiency and lower environmental nitrogen load.





Benefits

- Significantly improves protein digestibility and overall feed efficiency by increasing enzymatic breakdown and utilization of dietary proteins.
- Enhances gut health and intestinal nutrient absorption through reduced undigested protein load and improved digestive stability.
- Supports optimal growth performance and superior feed conversion ratio (FCR), particularly under low or variable protein feeding programs.
- Enables cost-effective feed formulation by allowing strategic reduction in crude protein levels without compromising performance.
- Contributes to environmental sustainability by lowering nitrogen excretion and reducing ammonia emissions from poultry operations.



Dosages

350 g per ton of feed or as advised by a nutritionist/veterinarian

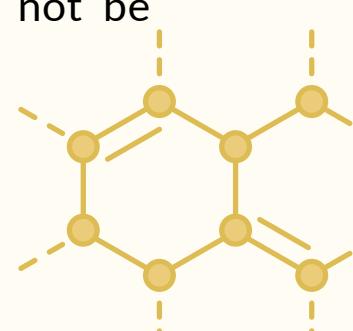
NUTRIENT CONTRIBUTION OF PROTI CLEAR AT 350 g/tonne of feed		
PARAMETERS	NUTRIENT CONTRIBUTION	MATRIX VALUE
ME, Kcal	60	171428
Digestible Crude Protein %	1.3	3714
Digestible Lysine %	0.07	200
Digestible Methionine %	0.026	74
Digestible Methionine + Cysteine %	0.05	143
Digestible Threonine %	0.046	131
Digestible Tryptophan %	0.012	34
Digestible Isoleucine %	0.047	134
Digestible Leucine %	0.042	120
Digestible Valine %	0.054	154
Digestible Histidine %	0.017	48
Digestible Arginine %	0.075	214

NOTE: For layer feed, 70% of the above matrix should be considered while reformulating the layer diet. If the feed formulation is completely based on a digestible amino acid basis, it is recommended to consider only the energy and digestible amino acid matrix, and not the crude protein matrix. Additionally, the energy and amino acid matrix should be derived from a single additive source only; multiple matrices for the same nutrient from different additives—such as energy contributions from NSP enzymes, protease, phytase, betaine, etc.—should not be considered simultaneously.



Presentation

Packaging: Available in 25 kg Bags/Drums





At Rigel Global Pvt. Ltd., we are committed to enhancing animal health, productivity, and overall well-being through advanced nutritional and healthcare solutions. Our Animal Health & Nutrition Division partners closely with farmers, veterinarians, and feed manufacturers across India and international markets, delivering scientifically validated products that support performance optimization, immune strength, and sustainable production in poultry, livestock, and aquaculture. Backed by a robust research-driven approach and global collaborations, we integrate internationally proven formulations with region-specific technologies to address the dynamic needs of the poultry, dairy, and aquaculture industries. Our diverse portfolio spans feed additives, probiotics, veterinary formulations, and biosecurity solutions—each developed with a strong focus on quality, efficacy, and safety.

Guided by our core principles of Integrity, Innovation, and Impact, Rigel Global Pvt. Ltd. strives to strengthen the food value chain while empowering partners with dependable products and expert technical support. We believe that healthy animals are the foundation of a healthy world, and every solution we deliver reflects this enduring commitment.



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