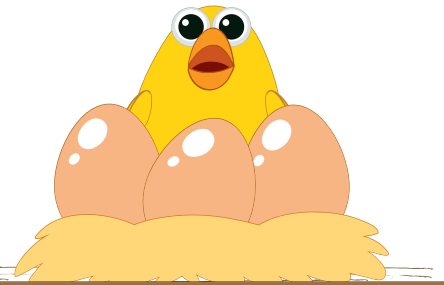




ProenzTM 3PLUS

MULTI PROTEASE COMBINATION



**ACID
PROTEASE**



**NEUTRAL
PROTEASE**



**ALKALINE
PROTEASE**

Helps in reducing feed cost by replacing 4-8% of digestible amino acids / crude protein

1

**Optimum
Protein utilization**

2

pH & Thermostable

3

**Decreases nitrogen
excretion**

4

Improves Immunity

5

Increases profits

Wide pH stable

Acidic pH

pH 7

Alkaline pH

Fungal

Bacterial

Plant

Exo peptidase

**Compatible with endogenous and
exogenous enzymes**

Endo peptidase

Substantially increases peptides & amino acid availability

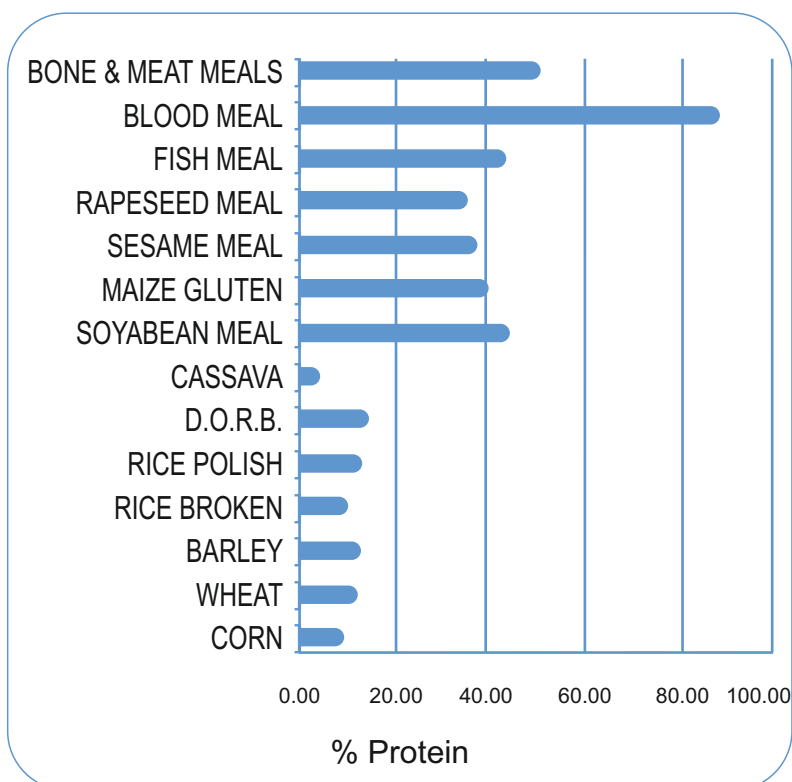
pH range for poultry

Intestinal Region	pH
Proventriculus / Gizzard	0.5-5.5
Stomach	-
Duodenum	4.9-7.5
Jejunum	5.1-7.5
Ileum	5.3-7.9
Caecum	5.2-8.0
Colon	5.0-8.0

pH range for swine

Age	Weaned	Adult
Stomach	2.6-4.9	2.3-4.5
Small intestine		
- Anterior	4.7-7.3	3.5-6.5
- Posterior	6.3-7.9	6.0-6.7
Caecum	6.1-7.7	5.8-6.4
Colon	6.6-7.7	5.8-6.8

PROTEIN % OF FEED INGREDIENTS



Replaces approx. 4-8% of digestible amino acids/ crude protein

Pellet stable

Feed type	Pellet feed, mash & premixes
Species	Multi-species application
Forms	Powder

Dosage:-

We offer the flexibility of various dosages like 50 g, 100 g, 200 g and 500 g / ton of feed to suit customer/ application specific requirements. The dosage should be optimised based on trials with actual composition, quality of feed ingredients or as advised by the nutritionist. (Matrix will be available on request).

A Product of:

Biochem
All we need is a healthy world
BIOCHEM PHARMA



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