

## Progut for livestock and poultry animal

Cat. No. PRBF-007

Lot. No. (See product label)

### Introduction

#### Description

Progut for livestock and poultry animal is a micro-ecological complex containing lactobacilli and bacilli. The selected functional probiotics have been evaluated to produce a variety of peptide actives, organic acids and inhibit the growth of common pathogenic bacteria. It can also produce protease, amylase, lipase and other enzymes according to the type of substrate to promote the digestion and absorption of energy and protein in feed.

#### Applications

For Pig Farming Substitute Milk Powder • Benefits: Prevents diarrhea, reduces mortality and culling rates, promotes growth, alleviates stress, and improves growth uniformity. • Effective Substitutes: Antibiotics, enzymes, essential oils, antimicrobial peptides, and some acidifiers. Piglet Starter Feed • Benefits: Increases growth rate, prevents diarrhea, reduces mortality and culling rates. • Performance Improvement: Growth rate increased by over 10%, feed-to-weight ratio reduced by 5-10%. • Environmental Impact: Reduces ammonia concentration by 40-60%, decreases manure output by 20-30%. • Effective Substitutes: Antibiotics, enzymes, essential oils, antimicrobial peptides, and some acidifiers. Finishing Pigs • Benefits: Increases daily weight gain by 5-10%, improves feed-to-weight ratio by 10-15%. • Performance Enhancement: Significantly improves digestibility of non-protein nitrogen, enhances feed efficiency by 1 protein unit, reduces diet by 1-1.5%. • Disease Control: Prevents disease outbreaks, reduces diarrhea, improves meat quality. • Environmental Impact: Reduces ammonia concentration by 50-60%, decreases manure output by over 25%. • Effective Substitutes: Antibiotics, enzymes (including wheat enzymes), etc. Sows • Benefits: Increases piglet birth weight by 100-120g per pig, reduces weak piglets and stillbirths by over 20%. • Postpartum Effects: Increases milk production, significantly reduces constipation. • Environmental Impact: Reduces manure output by over 30%, decreases environmental odor by over 50%. • Effective Substitutes: Various types of microbial agents, enzymes, etc. For Poultry Farming Layer Hens and Breeding Stock • Benefits: Improves egg quality (uniform egg weight, consistent color, shiny eggshells). • Performance Improvement: Reduces feed wastage, prevents diarrhea. • Disease Prevention: Prevents post-laying reproductive tract infections, improves late-stage egg production and quality, extends peak laying period. • Production Enhancement: Improves breeding stock performance (egg production rate and chick quality), prevents vertical infections. • Environmental Impact: Reduces ammonia concentration by over 50%. • Effective Substitutes: Antibiotics, other microbial agents, enzymes, etc. Broilers • Benefits: Increases daily weight gain by 5-10%, improves feed-to-weight ratio by 3-5%. • Performance Improvement: Prevents feed wastage, improves meat quality. • Environmental Impact: Reduces ammonia concentration by 50%, decreases manure output by over 20%. • Effective Substitutes: Antibiotics, other microbial agents, enzymes, etc.

### Product Information

#### Appearance

Uniform color powder

#### Specific Activity

20B CFU/g

#### Composition

Lactobacillus (anti-infection, growth promoter, anti-dilution), Bacillus subtilis (anti-

## Composition

Lactobacillus (anti-infection, growth promoter, anti-dilation), Bacillus subtilis (anti-pathogenic bacteria, produces digestive enzymes such as protease, amylase and lipase), Bacillus licheniformis (improves immunity, prevention of and resistance to diseases), whole-cell enzyme cultures (containing xylanase, pectinase, amylase, protease, mannanase, cellulase, B-glucoamylase,  $\alpha$ -galactosidase, etc.).

## Storage and Shipping Information

### Storage

Store in a ventilated, cool, dry place for up to 12 months.