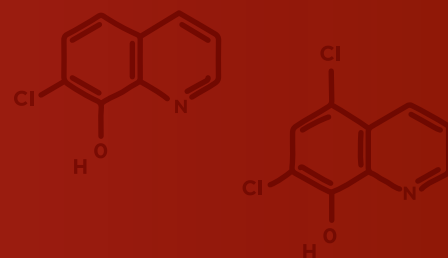


# GrowGuard™

Premium Choice For Premium Flock



**Halquinol 12.5%**  
**Non-antibiotic Growth Promoter**



GrowGuard™ is a hydroxyquinoline antimicrobial used as feed additive and growth promoter for poultry and pigs. It is a chlorinated derivative of 8 hydroxy quinoline that contains 5, 7-dichloro-8 hydroxyquinoline, 7-chloro-8 hydroxyquinoline and 5-chloro-8 hydroxyquinoline. It is very effective against bacteria, fungi and protozoa that cause diarrhea or wet droppings.

### INDICATIONS

- Gut specific antimicrobial reducing pathogenic microorganisms like *Salmonella spp.*, *E. coli*, and *Clostridium perfringens*.
- GrowGuard™ reduces the severity of coccidiosis by acting on *Eimeria* spp. & controlling opportunistic bacterial infections.
- Prevents & controls several types of non-specific diarrhea.
- Has strong anti-fungal properties preventing fungal infections caused by *Aspergillus* spp. *Candida* spp., *Trichomonas* spp. etc.
- GrowGuard™ improves nutrient absorption and feed conversion efficiency.

### BENEFITS

- GrowGuard™ has broad-spectrum antimicrobial properties effective against various bacteria, fungi, and protozoal microbes in the gut.
- Prevents & controls several types of non-specific diarrhea
- Possess unique antiperistalsis activity to promote better absorption of nutrients and growth.
- Improves egg production and quality in laying hens by promoting health and reducing disease burden.
- Antimicrobial activity of GrowGuard™ modifies microflora in digestion to improve feed absorption & production performance.

### INCLUSION LEVELS

Poultry - 500 gm - 1 kg / tonne of feed

### MECHANISM OF ACTION

- GrowGuard™ acts by inhibiting the growth of pathogenic microorganisms in the gut. Its mechanism involves disrupting the bacterial cell wall and interfering with metabolic processes, leading to the death of harmful microbes. This creates a more favorable environment for nutrient absorption and overall health improvement in poultry.
- It also reduces tone and motility of smooth muscles in intestine, allowing food to stay for a longer time in the gut for better nutrient absorption, preventing diarrhea.

### WET DROPPINGS IN POULTRY

The main reason behind wet droppings in poultry are majorly bacterial infections like *E. Coli*, *Salmonella* spp. Halquinol is the medicine of choice to control & treat poultry diarrhea because of its specific antimicrobial and antidiarrheal properties.

**Mycosis:** GrowGuard™ protects the feed and crop of the bird by targeting fungal growth and infections.

### COMPOSITION

Each 100 g of GrowGuard™ contains

Halquinol 12.50 gm  
(Chloro-hydroxyquinoline)

## ROSSARI BIOTECH LIMITED

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