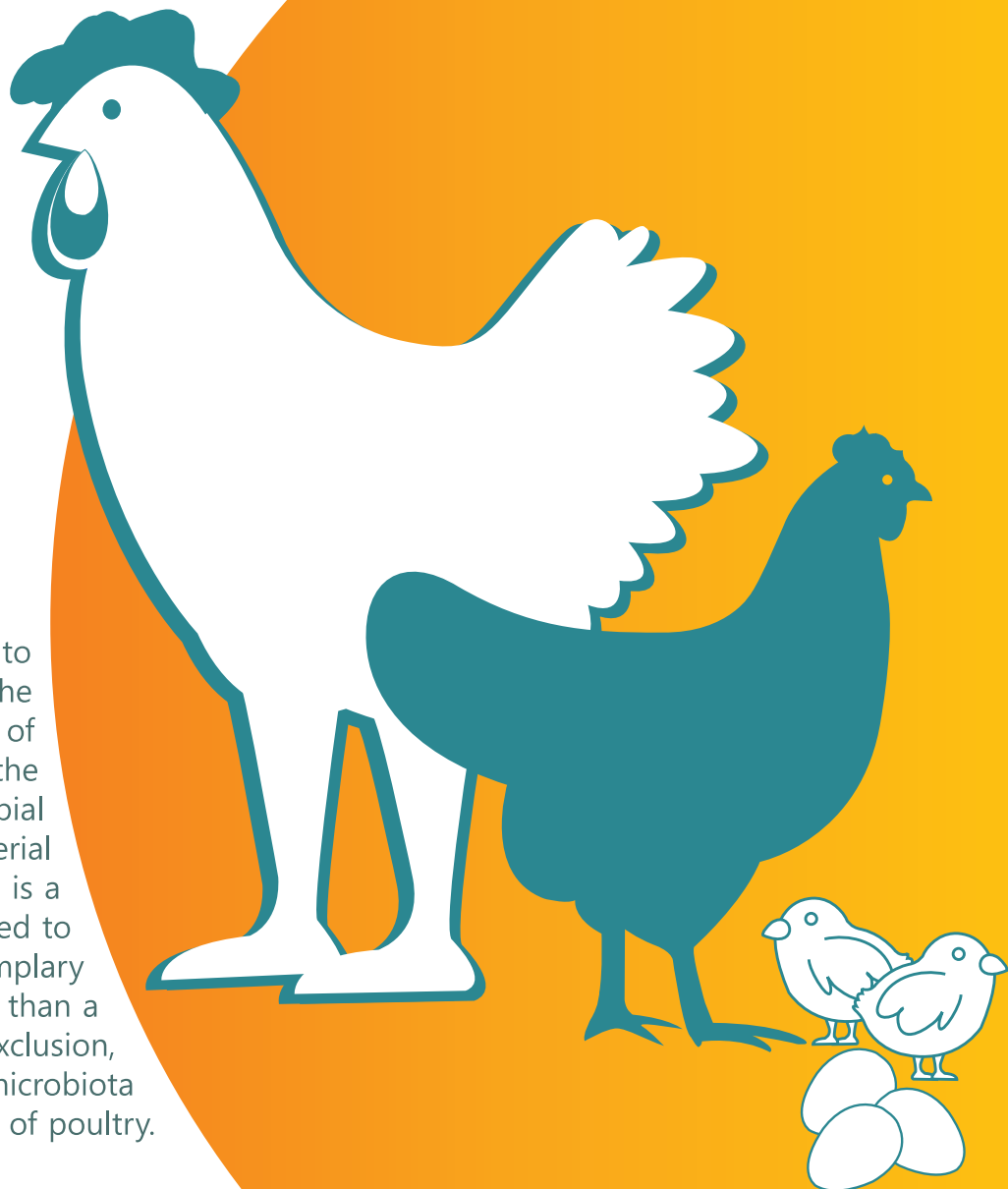




One Health  
unified approach for  
balanced welfare of  
people, animals  
and ecosystems.

# POULTRY GUT MICROBIOTA MICROME™

MICROME brings to your birds the advanced research of Metabolomics of the bird and Microbial informatics of Bacterial colonisers. MICROME is a remedial flora destined to perform truly exemplary functions more than a Competitive Exclusion, addressing microbiota imbalance of poultry.



# Role of microbiota in Poultry health and disease:

Alimentary tract of the poultry plays a crucial role in the health and productivity of poultry. The role of gut microbiota has been proven beyond doubt in utilization of the nutrients, reduction of infection and consistency in bird performance.

The diversity of the gut microbiota varies by region of the gut; among them the role of cecal microbiota has gained prominence due to the energy regenerative role and vulnerability to infection. Incidentally caeca also inhabit a wide array of bacterial species en-numbering up-to  $10^{11}$  bacteria / gram of its content.

This high bacteria load can be a boon or a bane depending on the composition of the contents. Fluidic nature of caecal contents increases the risk of opportunistic infections. Species such as *Clostridium perfringens*, *Campylobacter jejuni*, members of *Salmonella enterica* serovars, *Escherichia coli* cause prolonged and debilitating illness leading to production loss and mortality. Therefore, it is necessary to prevent colonization of such pathogens in the gut to maintain a healthy and profitable flock.



Day 1 Wet Litter condition before treatment



After 2 Weeks of Treatment



Litter formed in heaps Few Weeks after Treatment

# Product Technology:

The role of beneficial microbiota in yester years were primarily meant to perform the colonization-inhibition of the pathogens by occupying the vulnerable sites of the intestinal lumen. Due to the advent of the advancements in the metabolomics of the host and microbial informatics of bacterial colonizers and the deeper understanding of interactions among the various genera of the organisms, it has become feasible to formulate a remedial flora which can perform multiple beneficial functions.



## Salient Features

Inhibition of Both Gram-negative and Gram-positive Pathogens.

Reduction of the virulence gene expression of the pathogens, by disrupting their Quorum sensing mechanism.

Utilization of the NSP, making the cecal contents less fluid in nature.

Improvement of litter condition and reduction of ammonia emission.

Synergistic combination in anti-mycoplasma therapy, for layers and breeders. Contains Best Choice of Synergistic Microbes.

### Contents :

Consortia of 6 *Bacillus* species, of GRAS (Generally Regarded as Safe) category.

### Count :

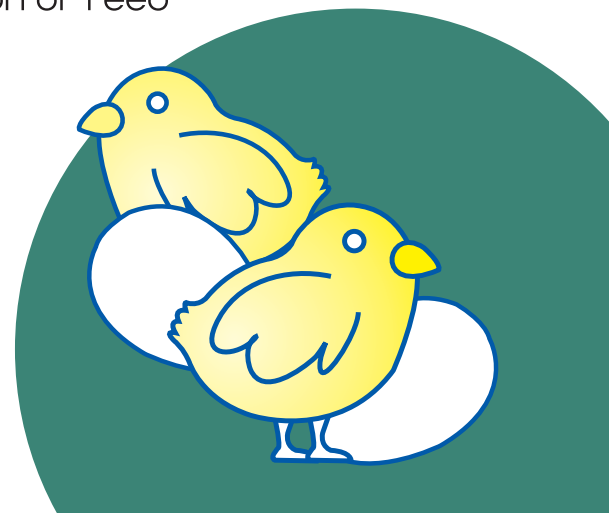
A minimum of  $1 \times 10^9$  CFU / gram.

### Dosage :

A. **Regular:** 500 grams per metric ton of feed, for a minimum of 15 days/month.

B. **Severe/Prolonged wet litter condition:** 1 kg per metric ton of feed until problem resolves, followed by 250 g per metric ton of feed to maintain dry litter condition.

**Presentation :** 25 kg



# What we Benefit From MICROME?

# ONE HEALTH APPROACH

One Health unified approach for balanced welfare of people, animals and ecosystems.

**Bird:**

I am naturally protected from common infections and able to give my best. I take medicine only when really sick. I am of **EXPORT QUALITY** now.

**Veterinarian:**

I am able to **Effectively replace the Antibiotic Growth Promoter (AGP)** from my regime and now, even able to handle the situations where AGPs fail to respond.



**Farmer:** I am achieving **Equally good performance** by replacing AGPs with MICROME, as it gives multiple benefits.

**Consumer:** We get **safe food** free of pathogens and zero antibiotic.

**Environment:**

Thank you for changing to MICROME. I am now less vulnerable and I am able to take care of myself and all of you **Sustainably**.

Manufactured by :

**SALEM MICROBES PRIVATE LIMITED**

Registered Office: 21/10C, BajanaI Madam Street, Gugai, Salem - 636006, Tamilnadu, India.  
 Tel: +91-9787196447 / E.Mail: [contact@salemmicrobes.com](mailto:contact@salemmicrobes.com) [www.salemmicrobes.com](http://www.salemmicrobes.com)

