



SALEM MICROBES
Splendid
25 Years
1999



Healthy Gut
Capable Gut

BACTERIOPHAGE THERAPY FOR POULTRY

E PHAGES POULTRY™

EFFECTIVE ON SUPERBUGS

**Targets
E.coli**



E PHAGES POULTRY is a cocktail of Phages identified and isolated from Natural environment. They are 100% Natural, selected and proven to work against the target Poultry pathogen, *E.coli* which are prevalent in Breeders, Layers & Broilers.

CONTENT: Lytic Bacteriophage of total 1×10^{10} PFU/ML (PFU - Plaque Forming Units)

E PHAGES POULTRY targets against most common

- Pathogenic & MDR *E.coli* including APEC strains.

E PHAGES POULTRY is periodically updated to maintain its specificity against current field pathogens.

Dosage:

To be given through drinking water:

For Poultry BELOW 1.5 KG body weight: 100 ML/5000 Birds.

For Poultry ABOVE 1.5 KG body weight: 100 ML/2000 Birds.

Broiler / Layer Breeders: Every month, First week – 5 days and Third week – 5 days.

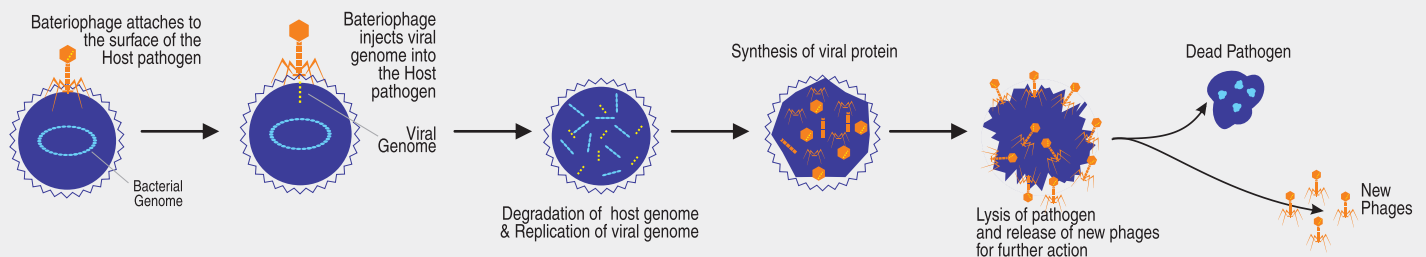
Commercial Broilers: For every Production batch, First Week – 5 days, Third Week – 5 days and if extended to Fifth week, for 5 days.

Commercial Layers: Every month, First week – 5 days.

Benefits:

- Target action against Pathogenic MDR *E.coli* including APEC strains.
- Prevents sudden sickness, drop in productivity and mortality, caused by Pathogenic MDR *E.coli* including APEC strains.
- Good choice to avoid AGP's to break antibiotic cycle, by taking care of bird's health on One Health (Good for the Bird, Environment and the Consumer) aspect.
- Maximizes performance of Probiotics by reducing Pathogen bioburden.
- Controls secondary bacterial infections, which aggravates during Mycoplasma infection and Viral disease outbreaks.

ILLUSTRATION OF ACTION OF PHAGE ON A TARGET BACTERIA



BACTERIOPHAGE THERAPY FOR POULTRY

G PHAGES POULTRY™

EFFECTIVE ON SUPERBUGS

Targets
Salmonella



G PHAGES POULTRY is a cocktail of Phages identified and isolated from Natural environment. They are 100% Natural, selected and proven to work against the target Poultry pathogen, *Salmonella spp.* which are prevalent in Breeders, Layers & Broilers.

CONTENT: Lytic Bacteriophage of total 1×10^{10} PFU/ML (PFU - Plaque Forming Units)

G PHAGES POULTRY targets against most common

- Pathogenic & MDR *Salmonella spp.*

G PHAGES POULTRY is periodically updated to maintain its specificity against current field pathogens.

Benefits:

- Target action against Pathogenic & MDR *Salmonella spp.*
- Prevents Vertical transmission of pathogens through Eggs.
- Good choice to avoid AGP's to break antibiotic cycle, by taking care of bird's health on One Health (Good for the Bird, Environment and the Consumer) aspect.
- Maximizes performance of Probiotics by reducing Pathogenic bioburden.
- Prevents sudden sickness, drop in productivity & mortality, caused by Pathogenic & MDR *Salmonella spp.*

Dosage:

To be given through drinking water:

For Poultry BELOW 1.5 KG body weight: 100 ML/5000 Birds.

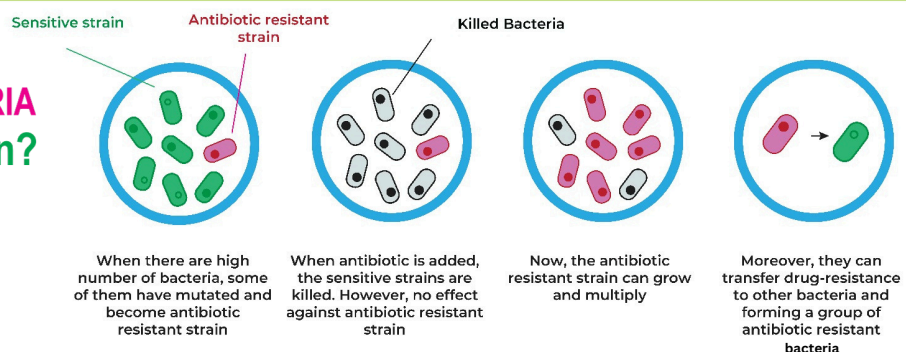
For Poultry ABOVE 1.5 KG body weight: 100 ML/2000 Birds.

Broiler / Layer Breeders: Every month, First week – 5 days and Third week – 5 days.

Commercial Broilers: For every Production batch, First Week – 5 days, Third Week – 5 days and if extended to Fifth week, for 5 days.

Commercial Layers: Every month, First week – 5 days.

DRUG RESISTANT BACTERIA How does it happen?





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.



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

Reduction of 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.



Day 1 Wet Litter condition before treatment

After 2 Weeks of Treatment



Litter formed in heaps Few Weeks after Treatment

Contents:

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

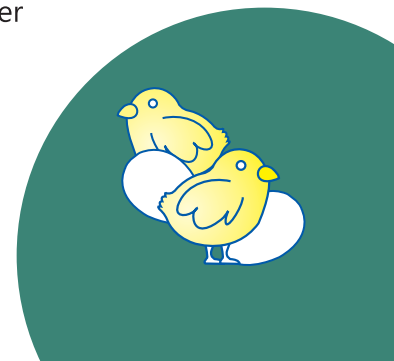
Count:

A minimum of 1×10^9 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.





GUTO is a blend of technically chosen beneficial bacteria for supporting the overall gut functions in all growing and productive stages of commercial poultry.

GUTO probiotics enter and survive the gut environment, multiply robustly and get implanted in the intestinal lumen. The anti-pathogenic metabolites from GUTO probiotics progressively eradicate the intestinal pathogens and helps intestinal villi to regain its form to carry out the potential regular functions.

GUTO secretes enzymes which assure better digestibility and nutrient absorption through the healthy vibrant villi.

GUTO aids in improved feed utilization, FCR and disease mitigation.

GUTO is a good choice to avoid AGPs and formulate feeds taking care of bird's health on One Health (Good for bird, environment and consumers) aspect.

Benefits:

- Domination of GUTO probiotics inside the poultry gut
- Restoring gut functions as digestion and absorption
- Possesses potential antidiarrhoeic effect and provides excellent immunostimulatory action to counter the bacterial and viral attacks, thus creating a stronger host.

Contents:
Bacillus subtilis, Bacillus inaquasorum, Bacillus velezensis, Bacillus amyloliquefaciens

Count: Each gram of GUTO contains a minimum of 6×10^8 CFU.

Dosage : 500 grams/MT feed for all types of poultry feeds.

BENEFITS OF ONE HEALTH APPROACH

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 fails to respond.

Farmer:

I am achieving equally **good performance** by replacing AGPs with Probiotics & Bacteriophages, as it gives multiple benefits.

Environment:

Thank you for changing to Probiotics & Bacteriophages. I am now less vulnerable and I am able to take care of myself and all of you **sustainably**.

Consumer:

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



Manufactured by :

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