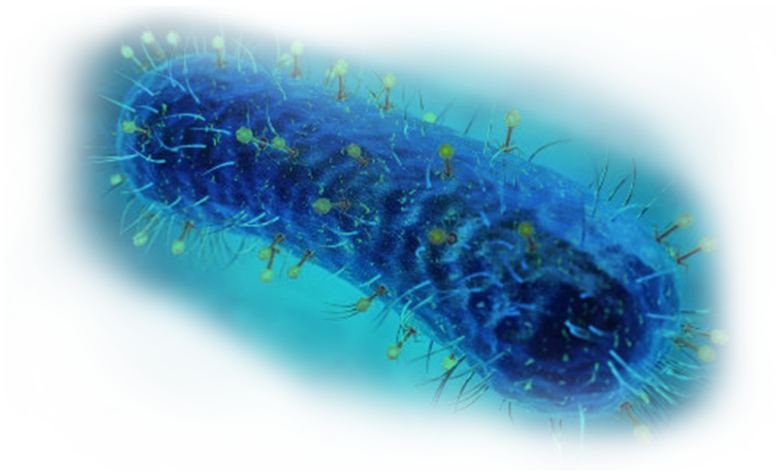
COLISHIELD PHAGE COCKTAIL FOR PATHOGENIC E.COLI

TECHNOLOGY

Bacteriophages are natural antimicrobial agents that fight against antibiotic resistant bacteria which cause infections in birds, animals, humans or in crops of agricultural value. Phage technology is based on the principle that naturally occurring bacteriophages provide the safest and targeted approach to combat bacterial infections.



PRODUCT

Colishield is specially formulated cocktail of bacteriophages that can selectively kill pathogenic E.coli. The most effective phages have been carefully selected from the phage library and combined to provide complete protection from E.coli infection;
"**Best alternative to antibiotics.**"

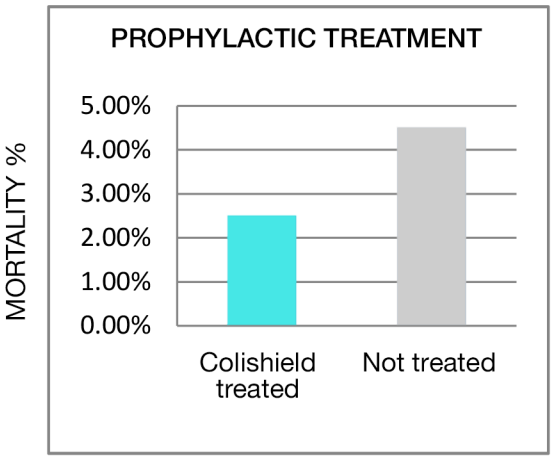
PRODUCT SAFETY

- Overdose of >50 times the normal supplement has not shown any adverse effect on the chicken.
- Continuous use of colishield for 100 days on daily basis did not show adverse effect.
- Field studies on broilers, breeders and layers showed promising results both with prophylactic and therapeutic treatment.

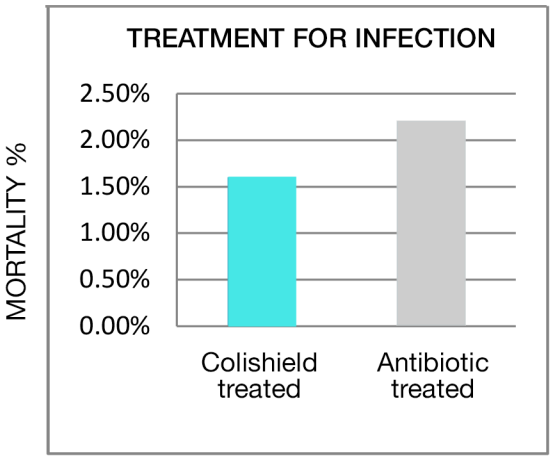
Antibiotic free GUARANTEED Eco-friendly

FIELD TRIALS

Farm 1: Birds treated with Colishield from day-1to day-35 as prophylactic treatment



Farm 2: Birds treated with Colishield for 5 days during outbreak of E.coli infection



COLIPHAGE ACTION ON PATHOGENIC E.COLI

Pathogenic E.coli O111H and O157 were spread on LB agar media in petriplates. Ampicillin discs were placed in one quadrant,10 and 20 µl Colishield (phage cocktail) was added in other quadrants. This was incubated for 16hrs at 37°c.

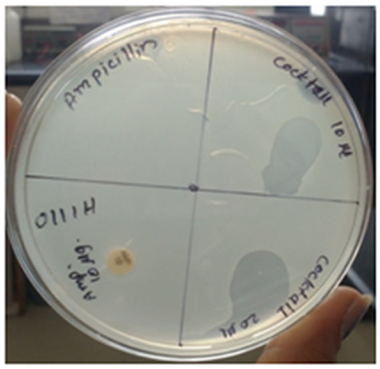


Fig1: E.coli O111H

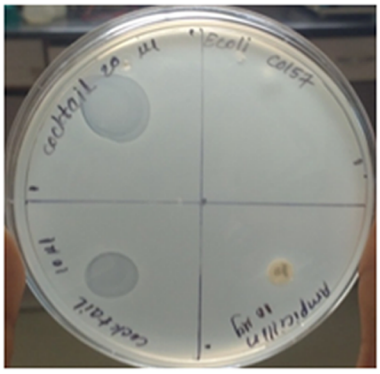
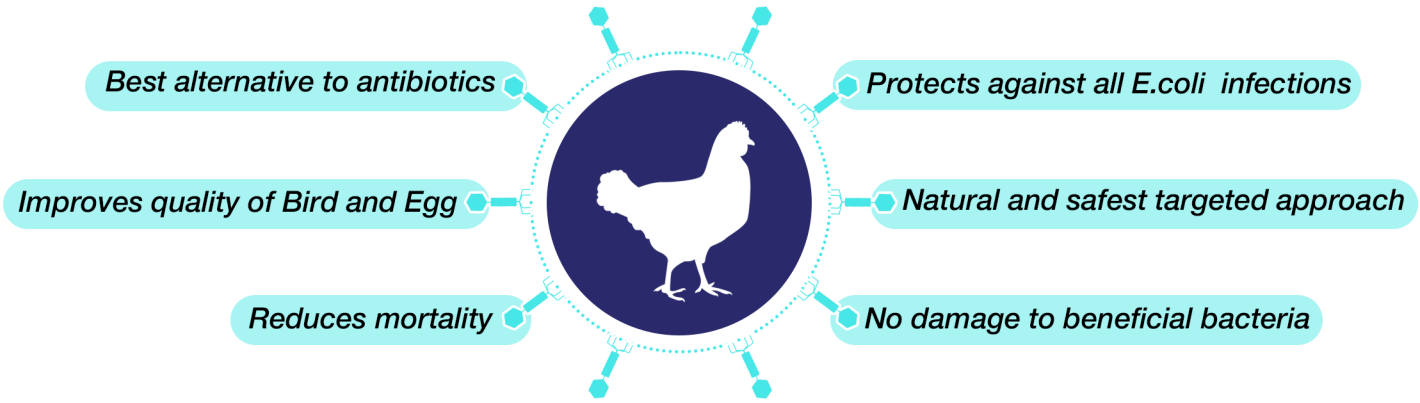


Fig2: E.coli O157

Result: Colishield was able to lyse antibiotic resistant E.coli.

BENEFITS



DOSAGE

BROILERS	20mg/bird/day	Alternate days
BREEDERS AND LAYERS	20mg/bird/day	10days/month for lifetime

Manufactured by:
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Email: vasudha@aristogene.com, info@aristogene.com