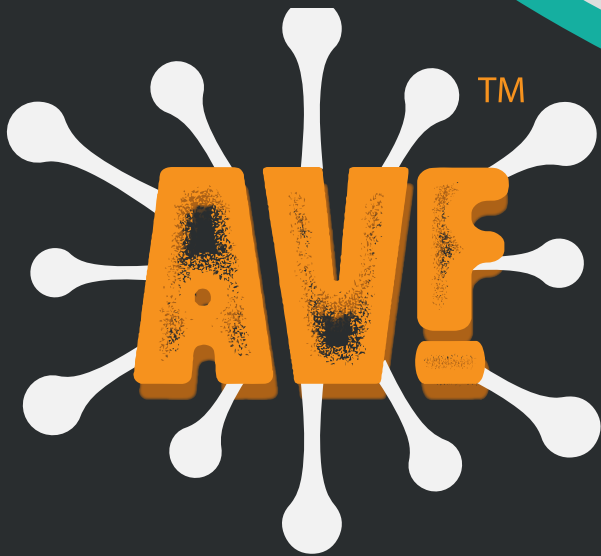


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The Novel NCE for Treating Enveloped virus & Secondary Bacterial Infection for Poultry

PROVEN RESULTS IN FACE OF
AI & ND OUTBREAKS — 365 days challenge !

PATENTED

POULTRY FEED SUPPLEMENT



The Novel NCE — 365 Days Protection Challenge !

Poultry birds are challenged by plethora of complex pathogens

>5 virulent viral species — enveloped

>30 pathogenic bacterial species

>5 pathogenic fungal species



AVF™ supports poultry to tackle the hardest possible challenge in the field — even in face of severe outbreak !

This creates easy ground for poultry–pathogen interaction. Hence, 365 days protection is critical !





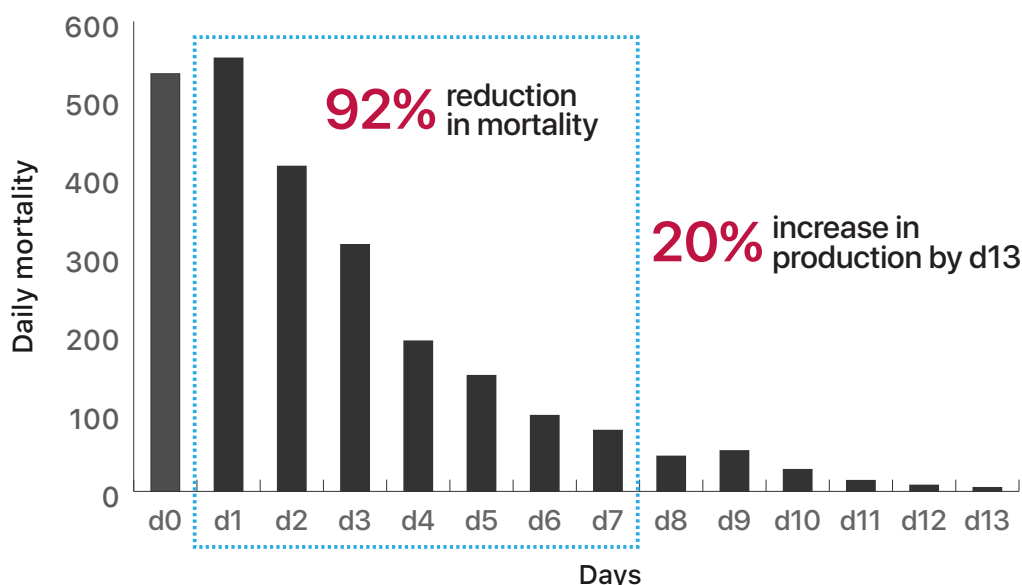
KEY INGREDIENTS

A Novel NCE (New Chemical Entity), patented, synthesised by series of chemical reactions, with broad spectrum virucidal (enveloped viruses) & bactericidal action for oral use (drinking water application)

KEY MODE OF ACTION

The New Chemical Entity (NCE) in AVF™ interacts with the viral envelope (e.g. AIV, NDV, IBV) resulting in inactivation — virus lose capability to infect cell. This in turn reduces the virus replication and shedding, facilitating faster recovery of flock during outbreak. Additionally, AVF™ supports chicken immune system positively by reducing the viral challenges substantially and that creates sufficient window for mounting of protective innate and adaptive immune response. AVF™ exhibits strong bactericidal (e.g. *E.coli*, *Salmonella spp.*) property by interacting with lipid layer of bacterial cell wall.

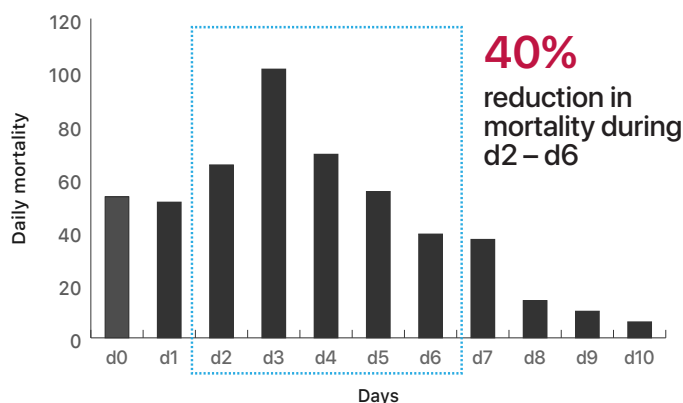
FIELD TRIALS



- AVF™ facilitates clearing of AIV/NDV infection in flock within a short span of time.
- Flocks recovered after AVF™ application becomes immune to future viral challenges

Similar trends (80 – 100% reduction in mortality) in efficacy trial in commercial layers at Bangladesh recorded.

Farm: Maruthi PF; **Location:** Maruthi PF, Mysore; **History:** AI outbreak in a layer flock (BV300) of 12000 batch size. The daily mortality recorded was > 500 in past few days. AVF™ was administered at the rate of 30 ml per 100 birds (1:200 dilution in drinking water) on d1 and d2, while 20 ml per 100 birds (same dilution) during d3 – d7. Mortality reduced by 92% during the d1 – d7. In next, 5 days mortality came down to normal level. The production increased by 20% reaching standard by d13.



Farm: Sivakami Ayyavu Farm; **Location:** Namakkal; **History:** AI/ND outbreak in country bird flock of 3050 batch size. The daily mortality recorded was > 50. AVF™ was administered at the rate of 30 ml per 100 birds (1:200 dilution in drinking water) on d2 and d3, while 20 ml per 100 birds (same dilution) during d4 – d6. Mortality reduced by 42% during the d2 – d6.



The Novel NCE — 365 Days Protection Challenge !

INSTRUCTIONS FOR USE

Use	Dilution rate	Application
Chicks < 12 days	10 ml per 100 birds/day — 1:200 dilution	Divide the daily requirement of AVF™ into two intakes and serve at recommended dilution in drinking water. For best results, AVF™ should be administered for a period of 5 days (min.)
Chicks > 12 days, Grower, Adult broilers	20 ml per 100 birds/day — 1:200 dilution	To be used in flocks with the history of respiratory rales/viral outbreak for 5 – 7 days.
Layers & Breeders	20-30 ml per 100 birds/day — upto 1:300 dilution	To be used during viral outbreak for 7 days.

KEY BENEFITS

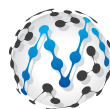
- 1 Novel NCE (New Chemical Entity) — No resistance !
- 2 Highly effective during disease outbreak
- 3 Significantly improves production indices
- 4 Synergistic effect with viral vaccines
- 5 Proven in extremes of field adversities



— The **365** Days Protection Challenge !



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Invati Creations Pvt. Ltd.

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