

SET-VAC

Inactivated Oil Emulsified Vaccine

Provide Protection Against:

- *Salmonella* Enteritidis
- *Salmonella* Typhimurium



HIGH AND LONG
LASTING IMMUNITY



STRONG PROTECTION
FROM OVARY INFECTION



SIGNIFICANT REDUCTION
OF FECAL SHEDDING

Application in Poultry Production:

- Ideal for poultry breeding companies that produce Salmonella free day-old chicks.
- Ideal for Layer production units to produce Salmonella-free table eggs for human consumption.



SET-VAC

Composition:

Each dose of vaccine contains:

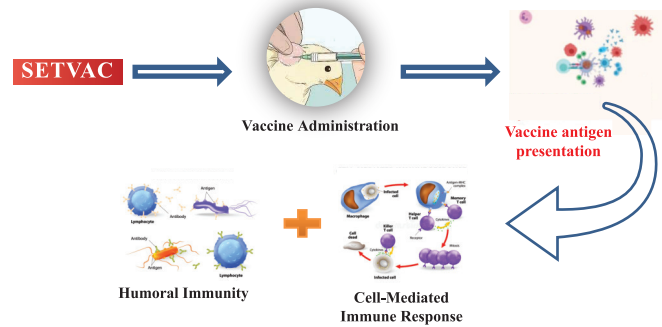
Inactivated culture of *S. Enteritidis*: 10^9 CFU

Inactivated culture of *S. Typhimurium*: 10^9 CFU



Mode of Action:

SET VAC induces a high antibody titer and cell-mediated immune response to block salmonella infection in poultry birds thus providing high & long-lasting protection.



Cross Protection:

It is an oil emulsified vaccine prepared by using antigens of *Salmonella* Typhimurium and *Salmonella* Enteritidis. It protects completely against *S. Typhimurium* (group B) & *S. Enteritidis*. It also provides cross-protection against D group antigens that include *S. Gallinarum* and *S. Pullorum*.

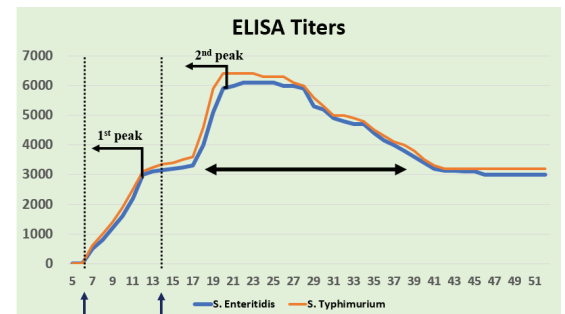
Salmonella Serovars	Type	Antigenic Group
<i>S. Enteritidis</i>	Zoonotic	D1
<i>S. Typhimurium</i>	Zoonotic	B
<i>S. Gallinarum</i>	Host Specific	D1
<i>S. Pullorum</i>	Host Specific	D1

SET-VAC Research Data

Serological Response

Peak antibody responses are observed in birds after vaccination with SET-VAC.

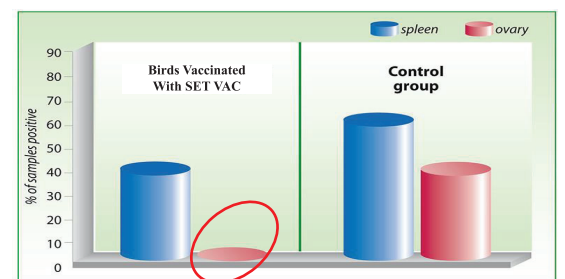
ELISA titer response in birds after administration of SET-VAC vaccine. Peak antibody responses observed following each vaccination.



Efficacy Trials

A double vaccination with SET-VAC is able to reduce the spread of *S. Enteritidis* to the ovary and thus to prevent vertical transmission.

Isolation of *S. Enteritidis* from organs 7 days after challenge with *Salmonella* Enteritidis.



Administration & Dosage:

0.5ml in the back of neck via subcutaneous route / in breast muscle via intramuscular route

Shelf Life: 24 Months

Packing: 250ml (500) Doses

Vaccination Schedule

1st Vaccination	6 th -8 th Week
2nd Vaccination	14 th -16 th Week

Storage: Store in a refrigerator at +2°C to +8°C (Avoid freezing)