



FOR ANIMAL USE ONLY

VIRSAL T

Salmonella Typhimurium is a controlled disease in terms of the Animal Diseases Act (Act 35/1984). The occurrence or suspicion of the disease has to be reported immediately to the responsible state veterinarian.

INDICATIONS

A live freeze-dried vaccine for the active immunization of healthy chickens (future breeders and layers) as an aid to prevent infections and to reduce colonisation of internal organs and faecal excretion of *Salmonella* Typhimurium field strains.

COMPOSITION

Each vial contains attenuated *Salmonella* Typhimurium bacteria, strain MTR40. The minimum antigenic titre per dose is 1×10^8 CFU.

STORAGE

Store and transport refrigerated (2-8 °C). Protect from light.

Do not freeze.

Do not use this veterinary vaccine after the expiry date which is stated on the container label.

Use reconstituted vaccine within 2 hours.

Do not store unused reconstituted vaccine for future use.

WARNINGS

- **Withdrawal period:** Meat and eggs – 21 days.
- Vaccinate healthy chickens only.
- Vaccination does not affect the immune response to Newcastle Disease vaccines. The effect on other immune responses was NOT tested.
- Do not mix with any other vaccine or medication.
- Antimicrobial drugs should not be administered 3 days before and 3 days after immunization.
- Do not over- or under-dose the vaccine.
- Do not use in birds in lay or within 3 weeks before the onset of the laying period.
- Ensure that marketed animals do not have elevated temperature reactions (fever) as this may result in the condemnation of the carcasses.
- Keep vaccination records including vaccine batch number.
- In case of accidental ingestion, seek medical advice immediately and show the package insert to the physician. (The vaccine strains are sensitive to several antibiotics including quinolones).
- Keep out of reach of children, uninformed persons and animals.
- Although this vaccine has been extensively tested under a large variety of conditions, failure thereof may ensue as a result of a wide range of reasons. If this is suspected, seek veterinary advice and notify the registration holder.

PRECAUTIONS

- Immunisation of chickens with a live vaccine does not stimulate the immunity system which interferes with the detection of *Salmonella* Pullorum and *Salmonella* Gallinarum.
- Ensure all vaccination equipment (containers, spraying devices etc.) is carefully cleaned and free of detergents and disinfectants.
- Do not use disinfectants or antiseptics to sterilise any equipment.
- Wear protective clothing, masks, gloves etc. according to hazard standards.
- Avoid contact of the product with the skin, eyes and mouth.

- Do not eat, drink or smoke whilst handling the product.
- Wash hands with antibacterial soap or disinfectant after handling the vaccine.
- Use entire contents when reconstituted within 2 hours and do not store unused vaccine for later use.
- Adhere to the vaccination programme to obtain optimum results.
- Destroy any unused vaccine and dispose of all the vaccine containers and disposable equipment after use in accordance with National Environmental Management: Waste Act 2008 (Act No. 59 of 2008).
- Do not contaminate rivers, dams or any water sources with containers or waste.

DIRECTIONS FOR USE - Use only as directed

The vaccine is recommended for administration via drinking water at all listed ages and via spray on day-old chicks only. Do not exceed one dose per chicken.

Recommended vaccination plan

Age	Layers	Breeders	Drinking water	Spray
Day old – 1 day	+	+	+	+
5 - 7 weeks	+	+	+	-
12 - 13 weeks	+	-	+	-
16 - 20 weeks	-	+	+	-

Drinking water vaccination

Discontinue the use of medications or sanitising agents in the drinking water 72 hours prior to vaccination. Do not resume for 72 hours after vaccination.
For chicks vaccinated at the age of 1 day, administration should be with the “first drinking water”. Withhold drinking water for 1 to 2 hours prior to vaccination, depending on the temperature conditions.

Reconstitute the vaccine by adding the full contents of the vial to sufficient cool, non-chlorinated sterile water which is free of antimicrobials. Determine the quantity of water required for the number of birds to be vaccinated. The final solution containing the reconstituted vaccine should be consumed within 2 hours.

Protect the dissolved vaccine from chlorine by adding a blue chlorine neutralizer (mixed according to product instructions) to the drinking water to be consumed. After 15 minutes, add the diluted vaccine. Mix thoroughly. Resume regular water administration only after all the vaccinated water has been consumed.

Spray vaccination

Day-old chicks only. Ensure all spraying equipment is clean and without any traces of a disinfectant.
Dissolve vaccine in 10 ml cool clean water. Dilute 1 000 doses in 150 – 200 ml cooled neutralized water. Turn off ventilation and reduce light intensity. Spray 30-60 cm above the chicks with an appropriate sprayer and equipment.

PRESENTATION

Glass vials containing 1 000, 2 000, 2 500, 4 000 or 5 000 doses.
Ten vials per carton box with a package insert.
Not all pack sizes will be marketed.

Manufactured by:
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Israel