

NEWCASTLE DISEASE (La Sota STRAIN) AND AVIAN INFECTIOUS BRONCHITIS
(MASS TYPE STRAIN) VACCINE, LIVING BP (Vet)
DIRECTIONS FOR USE

DESCRIPTION

This vaccine contains live Newcastle Disease (ND) vaccine virus (La Sota strain) of chick embryo origin and Avian Infectious Bronchitis (Mass type strain) (IB), received from Tri Bio Laboratories Inc., State College, PA, USA in lyophilized form. Vaccine viruses (individual components) are grown in Specific Pathogen Free (SPF) eggs, and individual components are harvested, combined and freeze dried with suitable stabilizer. This combined vaccine is live viral vaccine and presented in freeze dried pellet form.

The product meets all rigid quality control standards of purity, safety, and potency as per individual monographs of viral vaccines of BP (Vet).

INDICATIONS

ND (La Sota) and IB (combined) freeze dried live vaccine is reconstituted in appropriate diluent and is recommended for active immunization of chicks and adult birds against field strains of Newcastle Disease and Infectious Bronchitis viruses. This combined product will offer full protection to layer and broiler chicks against both the diseases. We primarily advice combined vaccine as a booster immunisation programme in layer birds and for primary immunisation in broiler flocks as stated below in vaccination schedule.

DOSAGE FORM

Each dose of vaccine contains live, freeze dried ND (La Sota) vaccine virus more than 10^6 EID₅₀ and for IB vaccine virus $10^{3.5}$ EID₅₀ suspended in a suitable stabilizer

DOSAGE

Eye drop method 0.03 ml per chick
Drinking water method Sufficient vaccine mixed with water for birds to be vaccinated
Ref. Mixing Proportion Table

RECONSTITUTION

Store the diluent bottles in the refrigerator overnight, to chill before use. Reconstitution of vaccine is carried out by drawing small quantity of diluent in the sterile syringe and then transferring diluent in a freeze dried vaccine vial. Allow the pellet to dissolve completely with diluent, gently shake the vaccine vial, and then transfer it to the diluent bottle. Rinse the vaccine vial twice with the diluent in a similar manner. Follow aseptic techniques during reconstitution. Vaccine after reconstitution in diluent should be stored on ice and used completely within one hour.

ADMINISTRATION

A. **EYE DROP METHOD / INTRAOCULAR METHOD:**
Eye drop method should be used for primary vaccination. Use reconstituted vaccine immediately. If this method is to be used for higher dose packs, it is advisable to use more vaccinators so as to utilize reconstituted vaccine immediately.

METHOD: Hold the chick with one eye turned up. Take the vaccine product in sterile syringe, using blunt needle of 16 gauge or calibrated dropper supplied along with vaccine pack, instill into the eye one drop per chick. Ensure that the vaccine drop is completely absorbed in the eye.

B. **DRINKING WATER METHOD:**
For drinking water method, before giving the vaccine, withhold the birds from drinking water for at least two hours to allow birds to get thirsty. However, variation in this can be done depending on the season.

Do not use chlorinated water. The waterers should be thoroughly cleaned before use. Do not use any disinfectant. Vaccination should always be conducted during cool hours. Use clean and cool water. Small ice blocks may be added in water to make it cool.

METHOD: Use of fresh skimmed milk powder of a good quality is recommended as a stabilizer for drinking water method. For each 10 litres of water, use 60 grams of skimmed milk powder. Skimmed milk powder is first dissolved in small quantity of water and then mixed with total quantity of water to be used for vaccination. Dissolve required number of doses of vaccine with diluent thoroughly and finally mix the content of reconstituted vaccine into the bulk skimmed milk water. Provide ample water space so that at least maximum number of birds can drink vaccine mixed with water comfortably.

MIXING PROPORTION:
Mix reconstituted vaccine in drinking water according to following schedule:

Age of bird	Litres of water to be used	
	1000 doses	500 doses
3 - 4 weeks	10 litres	5 litres
12 - 13 weeks	15 - 20 litres	10 - 12 litres

CONTRA-INDICATION

This vaccine is not recommended for those birds, which are clinically sick or severely debilitated, or under conditions of severe stress and strain.

GENERAL RECOMMENDED VACCINATION SCHEDULE:

Age of bird	Route / Method of vaccination
03 - 04 weeks	Intraocular (0.03 ml)
12 - 13 weeks	Drinking water method

N.B.: This vaccine is not to be used after 13th week

SHELF LIFE

Vaccine when stored at recommended conditions has shelf life of 12 months, which is indicated as an expiry date on the label.

STORAGE AND SHIPPING

Vaccine should be stored at +2°C to +8°C, preferably in deep freeze and transported through cold chain system. The vaccine should be protected from light. Diluent is stored and transported at room temperature.

PRESENTATION

Vials of 10 ml, containing lyophilized ND (La Sota) and IB (Mass Type) vaccine sufficient for 500 / 1000 doses as specified on the vaccine vial label and carton. Sterile diluent bottles sufficient for 500 / 1000 doses are supplied along with vaccine separately.

WARNINGS

- Consult Veterinarian / Poultry expert regarding vaccination schedule and use of vaccine.
- This product should be stored, transported, and administered in accordance with the instructions and directions of the manufacturer.
- This vaccine is not recommended for those birds, which are clinically sick or severely debilitated, or under conditions of severe stress and strain.
- Use the sterile diluent supplied with the vaccine only. This has been tested for its stability in the laboratory for virus for which it is prepared. We do not accept responsibility for the use of any other manufacturer's vaccine diluent.
- Examine diluent bottle before mixing for any abnormal change such as colour, turbidity, or foreign body. If so, do not use this bottle of diluent.
- Do not use unsterile vaccination equipment. Chemical disinfectant should not be used for sterilization of equipment.
- Do not mix the diluent and the vaccine until all the other preparations are ready.
- Keep reconstituted vaccine in ice bath during the entire vaccination period.
- Always vaccinate the healthy birds and keep the vaccinated birds comfortable by providing adequate temperature, feed, water, and good ventilation.
- For drinking water method, remove any disinfectant or water sanitizer from drinking water for 24 hours prior to and after vaccination.
- **Burn and destroy the used containers along with the leftover vaccine.**



For further information on the vaccine please contact

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