



INFECTIOUS BURSAL DISEASE VACCINE, LIVING BP (Vet)
(GUMBORO DISEASE VACCINE) INTERMEDIATE STANDARD STRAIN
DIRECTIONS FOR USE

DESCRIPTION

This vaccine contains Infectious Bursal Disease vaccine virus (IBD) Intermediate Standard Strain received from Tri Bio Laboratories Inc., State College, PA, USA in cell free and in lyophilised form. The virus is produced in chick embryo cell culture derived from Specific Pathogen Free (SPF) eggs, harvested and freeze dried with suitable stabilizer. It contains IBD (Intermediate Standard) live vaccine virus strain 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 vaccine of BP (Vet).

INDICATIONS

IBD (Intermediate standard strain) live freeze dried vaccine, is reconstituted in Ventri's appropriate diluent, and is recommended for active immunization of chicks.

DOSAGE FORM

Each dose of vaccine contains live, freeze dried IBD (Intermediate Standard Strain), vaccine virus more than 10^3 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

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 this 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. Reconstituted vaccine should be stored on ice and used completely within one hour. Follow aseptic techniques during reconstitution.

ADMINISTRATION

A. EYE DROP 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 one drop in to the eye 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					
	5000 doses	2000 doses	1000 doses	500 doses	200 doses	100 doses
14 - 18 days	30 - 40 litres	15 - 20 litres	8 - 10 litres	4 - 5 litres	2 - 3 litres	1 litre
21 - 28 days	50 - 60 litres	25 - 30 litres	10 - 12 litres	5 - 6 litres	3 - 4 litres	2 litres
35 - 40 days	80 - 90 litres	40 - 45 litres	15 - 20 litres	8 - 10 litres	5 - 6 litres	3 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.

RECOMMENDED SCHEDULE OF VACCINATION FOR EFFECTIVE CONTROL OF vIBD:

The vaccination schedule suggested herewith is designed after careful consideration of the present field situation due to prevailing vIBD infection. In order to combat this situation we have introduced four different vaccines namely ① Infectious Bursal Disease Vaccine "Lukert Type Strain", ② Infectious Bursal Disease Vaccine "Intermediate Standard Type Strain" and ③ Infectious Bursal Disease Vaccine "Intermediate Plus Strain" and ④ Infectious Bursal Disease Inactivated Vaccine. The use of "Lukert Type Strain" vaccine is presently not advised in India as the same is very mild and hence it cannot work against vIBD infection and the same is being produced only for the sake of export purpose only. This vaccine is only useful for protection against sub-clinical IBD infection in early chick life up to 18 to 21 days of age.

The IBD "Intermediate Standard" strain vaccine is useful for protection of chicks from 5 to 7 days age against vIBD infection with low to moderate maternal antibody status. It is generally used in poultry belts where the vIBD field virus exposures are low and the poultry farms are located at respectable distance. However, it is advisable to use IBD Intermediate plus vaccine in these flocks (one dose only) if fresh IBD outbreaks are reported in these poultry belts.

Use of IBD Intermediate plus vaccine is strongly advocated when the dose of field virus prevailing in the poultry belt is high and presence of maternal immunity level is also high. However, it is better to use only one dose of IBD "Intermediate Plus" vaccine in such areas especially during summer season and if additional (booster) doses are needed, IBD (Intermediate Standard Strain) vaccine may be used for the same to avoid incidence of increased immuno-suppression leading to secondary viral and bacterial infections.

The following vaccination schedule is given here as a guideline. However, the actual vaccination schedule may be decided by competent veterinarian based on prevailing IBD incidence on the farm and maternal antibody status of the flock:

IBD Vaccination Schedule for Commercial Broilers

Sr.	Age of chicks	Vaccine to be used	Method of vaccination
1	7 th to 10 th day	Ventri's IBD Intermediate (standard) vaccine	Intra ocular 0.03 ml
		Alternatively Ventri's ND (La Sota) + IBD (intermediate) combined vaccine	Intra ocular 0.03 ml
2	14 th day	Ventri's IBD Intermediate (standard/plus) strain vaccine, explained above	Drinking water method.

IBD Vaccination Schedule for Commercial Layers

Sr.	Age of chicks	Vaccine to be used	Method of vaccination
1	7 th to 10 th day	Ventri's IBD Intermediate (standard) vaccine	Intra ocular 0.03 ml
		Alternatively Ventri's ND (La Sota) + IBD (intermediate) combined vaccine	Intra ocular 0.03 ml
2	14 th day	Ventri's IBD Intermediate (standard/plus) strain vaccine, explained above	Drinking water method.
3	21 st to 28 th day	Ventri's IBD Intermediate (standard) strain vaccine	Drinking water method.
4	35 th to 40 th day (optional if incidences at higher age groups observed)	Ventri's IBD Intermediate (standard) strain vaccine	Drinking water method.

N.B.: For layer / broiler breeder birds after following above schedule, Ventri's IBD (inactivated) vaccine is given by subcutaneous route in the neck of breeder birds at pre-lay (17th to 22nd week) and at mid-lay (35th to 40th 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 3 ml, 10 ml and 20 ml capacity, each containing lyophilized Infectious Bursal Disease (I) vaccine sufficient for 100 / 200 / 500 / 1000 / 2000 / 5000 doses as specified on the vial label and carton. Sterile diluent bottles sufficient for 100 / 200 / 500 / 1000 / 2000 / 5000 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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