

Infectious Avian Encephalomyelitis Vaccine, Living

Description

The Vaccine contains living, modified (attenuated) Infectious Avian Encephalomyelitis (AE) virus strain, grown in SPF chick embryo by inoculation of the virus by yolk sac route and is presented in lyophilized form.

Each dose of vaccine contains not less than $10^{2.5}$ EID₅₀ of vaccine virus.

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

Indication

This vaccine is developed for controlling Infectious Avian Encephalomyelitis in chickens which produces high mortality with nervous symptoms in early age after hatching. This vaccine produces sufficient levels of immunity in breeder birds which is passed on in commercial chicks progeny in form of maternal immunity which can take care of this disease in early age of these progeny chicks.

This vaccine can also take care of drop in egg production in breeder birds, if AE infection occurs in laying stage.

Presentation

Vials containing lyophilised vaccine of 500/1000 doses each as specified on the vial label and carton. Sterile diluent bottles sufficient for 500/1000 doses each supplied along with vaccine separately.

Storage

Vaccine should be stored below 8°C preferably in deep freeze. Diluent may be stored at room temperature (preferred to be stored in cold room). Protect from light.

Reconstitution

Store the diluent supplied with vaccine in the refrigerator overnight. Diluent has to be chilled before use. Using sterile 1 1/2" 20G needle I and 2-5 ml. syringe withdraw small amount of prechilled diluent and transfer it to the vaccine vial. Suspend the vaccine pellet in the diluent by shaking the vaccine vial moderately. Using same syringe withdraw the diluted vaccine from vial twice and transfer the same to the diluent bottle. Mix the final vaccine by gently inverting the diluent bottle several times.

Administration

This vaccination is carried out by **Drinking Water Method** in the breeder birds at the age of 10 to 12 weeks. Do not use any disinfectant in water used for vaccination. Vaccination should always be conducted during cool hours. Use clean and cold water. Small ice blocks may be added to water to make it cool. In drinking water method waterer space should be adequate so that more than 70 % birds get access to water at one time.

Mixing Proportion

Use of fresh skimmed milk powder of a good quality is recommended as a stabiliser The vial content may be mixed in a small quantity of water mixed with skimmed milk and subsequently this should be mixed in a total quantity of water in which the skimmed milk powder is mixed (60 grams per 10 liters of water). Skimmed milk powder should be dissolved in the water and formation of lumps should be avoided. Provide ample of water

space so that all birds can drink vaccine-treated water comfortably. With-hold drinking water for at least two hours to allow birds to get thirsty before giving the vaccine. However, variation in this can be done depending on the season.

Quantity of Water to be Used :

Age of birds	Litres of water to be used for No. of birds/dose	
	1000 doses	500 doses
10-12 weeks	20-25 litres	10-12 litres

Warning

1. Consult poultry expert/veterinarian regarding vaccination schedule and use of the vaccination schedule and use of the vaccine.
2. Examine diluent bottle for mixing for any abnormal change such as odour, trubidity, or foreign body. If so do not use such bottle of diluent.
3. 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.
4. Prechill the diluent before mixing with the vaccine vial.
5. We do not accept any responsibility for use of any other vaccine diluent for reconstitution of this vaccine.
6. Do not mix the diluent and the vaccine till all the other preparations are ready.
7. Do not use unsterile vaccination equipment. Chemical disinfectant should not be used for sterilization of equipment.
8. Reconstituted vaccine should be used immediately.
9. Burn and destroy the left over vaccine and all used containers to avoid infection of lower age groups of chicks on the farm.
10. Always vaccinate the healthy birds, and keep the vaccinated birds comfortable by providing adequate temperature, feed,water and good ventilation.
11. This vaccine is not recommended for the birds that are clinically sick or severely debilitated or under conditions of severe stress and strain.
12. For drinking water method remove any disinfectants or water sanitizers from drinking water for 24 hours prior to and after Vaccination.