

TRIPLEVAC[®]

Newcastle – Bronchitis Vaccine

(B₁ Type, B₁ Strain, Massachusetts and Connecticut Types, Live Virus)

For the vaccination of chickens at 1 day of age or older by coarse spray for protection against Newcastle disease (ND) and Massachusetts and Connecticut types infectious bronchitis (IB).

ADVANTAGES:

- Safe to use for hatchery application
- Mild reaction
- Highly immunogenic protection against ND and broad-spectrum protection against IB
- Excellent immunity when used as a field boost



Triplevac[®] combines a highly immunogenic B₁ type, B₁ strain of ND virus with the well-established IB protection provided by the mild Massachusetts and Connecticut types IB virus. It is a lyophilized vaccine approved for spray at 1 day of age or older or drinking water vaccination at 2 weeks of age or older of chickens for protection against ND and Massachusetts and Connecticut types IB.

10 x 25,000 doses



TRIPLEVAC[®]

Newcastle - Bronchitis Vaccine

(B₁ Type, B₁ Strain, Massachusetts and Connecticut Types, Live Virus)



For Animal Use Only.

Description

This vaccine is prepared from the proven B1 strain of Newcastle disease virus and the mild Massachusetts and Connecticut types of infectious bronchitis virus. The viruses have been propagated using SPF embryonated eggs.

Indications for Use

This product has been shown to be effective for the vaccination of healthy chickens 1 day of age or 2 weeks of age or older against Newcastle disease and infectious bronchitis, Massachusetts and Connecticut types. Duration of immunity has not been established. For more information regarding efficacy and safety data, go to productdata.aphis.usda.gov.

Vaccination Programs

Many factors must be considered in determining a sound vaccination program for a particular farm or poultry complex. To be fully effective, the vaccine must be administered properly to healthy, receptive birds maintained in a proper environment under good management. In addition, the response may be influenced by the age of the birds and their immune status. Seldom does one live virus vaccination under field conditions produce lifetime protection for all individuals in a given flock. The level of immunity required will vary with operational practices and the degree of exposure. Therefore, a program of periodic revaccinations may be necessary.

Preparation of Vaccine

FOR DRINKING WATER OR COARSE SPRAY USE
DO NOT OPEN AND MIX THE VACCINE UNTIL READY TO BEGIN VACCINATION. USE VACCINE IMMEDIATELY AFTER MIXING.

1. Remove the tear-off seal and stopper from the vial containing the lyophilized vaccine.
2. Carefully pour clean, cool, non-chlorinated water into the vaccine vial until the vial is approximately two-thirds full.
3. Insert the rubber stopper and shake vigorously until all material is dissolved.
4. The vaccine is now ready for drinking water or coarse spray use in accordance with the directions below. For best results, be sure to follow directions carefully!

Drinking Water Administration

FOR CHICKENS TWO WEEKS OF AGE OR OLDER

1. Do not use any disinfectants in the drinking water for 48 hours before vaccinating and 24 hours after vaccination.
2. Withhold the water from the chickens until they are thirsty. Withholding periods will vary from 2 to 8 hours according to age of chickens and weather conditions.
3. Scrub waterers and rinse thoroughly with fresh, clean water. Do not use disinfectants for cleaning waterers.
4. Mix rehydrated vaccine with clean, cool, non-chlorinated tap water in accordance with the chart below.

(Water Per 1000 doses Vaccine)

Age of Chickens	Liters	U.S. Gallons
2 - 4 Weeks	23	6
4 - 8 Weeks	38	10
8 Weeks or Older	60	16

5. As an aid in preserving the virus, 100 g (3.2 oz.) of non-fat powdered milk may be added to each 38 liters (10 U.S. gal.) of water used for mixing vaccine. Add the dried milk first and agitate thoroughly. Then add the rehydrated vaccine from the vial and mix thoroughly.
6. Distribute the vaccine solution, as prepared above, in the waterers provided for the chickens. Avoid placing waterers in direct sunlight.
7. Provide no other drinking water until all the vaccine-water solution has been consumed.

Coarse Spray Administration

FOR CHICKENS ONE DAY OF AGE

1. Use rehydrated vaccine as indicated for specific coarse spray vaccination machine. For example, a machine which dispenses 20 ml to a box of 100 chickens; - total volume for 2,000 doses in 400 ml, and 10,000 doses is 2,000 ml of deionized water. Mix thoroughly.
2. Mix vaccine with clean non-chlorinated water and add the vaccine solution to reservoir on the machine.
3. Prime and adjust machine as instructed in manual accompanying the specific machine.
4. Place boxes holding 100 chickens each on the conveyor belt or in machine. Activate spray head.

Coarse Spray Administration

FOR CHICKENS TWO DAYS OF AGE OR OLDER

1. Initial spray vaccination should be coarse spray.
2. Do not use any disinfectants or skim milk in sprayer.
3. Use sprayer only for administration of vaccines.
4. Shut off all fans while spray vaccinating. Turn on fan immediately after spraying. Be careful in hot weather.
5. Spray chickens by walking slowly through the house.
6. Follow the manufacturer's directions regarding water volume.
7. Mix vaccine with clean non-chlorinated water.
8. Individual(s) spraying chickens should wear face mask and goggles.

Caution

1. VACCINATE ONLY HEALTHY CHICKENS. Although disease may not be evident, coccidiosis, *Mycoplasma* infection, infectious bursal disease, Marek's disease, reovirus infection and other disease conditions may cause complications or reduce immunity.
2. All susceptible chickens on the same premises should be vaccinated at the same time.
3. The revaccination of laying hens with live Newcastle/Bronchitis vaccine may be detrimental to the flock and cannot be generally recommended. Consult your Merck Animal Health representative for more information.
4. Efforts should be taken to reduce stress conditions at the time of vaccination and during the post-vaccination period.
5. Do not spill or splash the vaccine.
6. Do not dilute the vaccine or otherwise stretch the dosage.
7. Store at 2° to 8°C (35° to 46°F).
8. Use entire contents when first opened.
9. Do not vaccinate within 21 days before slaughter.
10. Inactivate unused contents before disposal.
11. Do not mix with other products, except as specified on this label.
12. In case of human exposure, contact a physician.
13. This vaccine contains gentamicin as a preservative.
14. WARNING: Newcastle virus occasionally causes conjunctivitis in humans. Avoid any contact
15. FOR ANIMAL USE ONLY.

Notice

This vaccine has undergone rigid potency, safety and purity tests, and meets Merck Animal Health, U.S. and local regulatory requirements. It is designed to stimulate effective immunity when used as directed, but the user must be advised that the response to the product depends upon many factors, including, but not limited to, conditions of storage and handling by the user, administration of the vaccine, health and responsiveness of the individual chickens and the degree of field exposure. Therefore, directions should be followed carefully.

Records

Keep a record of vaccine, quantity, serial number, expiration date, and place of purchase; the date and time of vaccination; the number, age, breed, and locations of chickens; names of operators performing the vaccination and any observed reactions.

Contact our sales or technical services representatives to help design a custom vaccination program.