

BREEDERVAC-IV-PLUS®

Bursal Disease-Newcastle Disease, Bronchitis and Reovirus Vaccine

(Standard and Variant, Massachusetts Type, Killed Virus)

For the vaccination of healthy chickens 3 weeks of age or older against infectious bursal disease (IBD) virus (caused by Standard, Delaware A and E and GLS virus strains) and diseases caused by avian reoviruses, Newcastle disease (ND) virus, or Massachusetts type infectious bronchitis (IB) virus.

ADVANTAGES:

- Contains a broad range of inactivated standard and bursal-derived variant IBD and reovirus strains:
 - Induces high, uniform antibodies against IBD, ND, IB and reoviruses throughout the entire production cycle
 - Requires a small 1/2 mL dose
 - Contains exclusive immunostimulant, safe, stable oil adjuvant



Breedervac-IV-Plus® is an inactivated oil adjuvant emulsion vaccine for use in breeder pullets against IBD, ND, IB and reovirus-related disease. It provides broad-spectrum protection for IBD and reovirus protection available, and solid protection against ND and Massachusetts type IB. It is approved for subcutaneous and intramuscular injection.

1 x 1,000 doses

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For Animal Use Only.

Description

Breedervac-IV-Plus® is prepared using specific-pathogen-free (SPF) or approved substrates and contains Newcastle disease (ND) virus, Massachusetts type infectious bronchitis disease (IB) virus, 2 strains of avian reovirus (1733 and 2408), and Standard, GLS, and Delaware (A and E) strains of infectious bursal disease (IBD) virus, inactivated and suspended in the aqueous phase of an oil adjuvant emulsion.

Indications for Use

Breedervac-IV-Plus is indicated for the vaccination of breeder replacement chickens against Newcastle disease, IBD (Standard, Delaware and GLS variants), Massachusetts type IB and diseases caused by avian reoviruses. The Newcastle and bronchitis fractions of Breedervac-IV-Plus are used primarily for protection of the breeder hen. The IBD fraction is used primarily for early protection of progeny with maternal antibodies, and the reovirus fraction is used to protect the breeder hen against tenosynovitis and the progeny against malabsorption. Chickens should be in good health when vaccinated. Sick or weak chickens will not develop adequate immunity.

The use of any inactivated vaccine may cause false positive results on *Mycoplasma* plate tests. Avoid *Mycoplasma* testing prior to 10 weeks post-vaccination.

Dosage and Administration

Allow the vaccine to reach ambient temperature, 16-27°C (60-80°F), before use and shake vigorously before and periodically during use. Inject 0.5 ml intramuscularly or subcutaneously in chickens at least 3 weeks old, using an 18-gauge x 1/2" or 1/4" needle.

Vaccination Program

Although this vaccine can be used for primary vaccination at 3 weeks of age or older, available evidence suggests that the best protection is obtained when it is used for revaccination of chickens previously immunized (primed) with the same type of live virus vaccines. Do not administer this vaccine during the critical egg laying period from onset until after peak production.

Example: Breeder chickens

Primary vaccination with modified live mild avian reovirus vaccine prior to 12 weeks of age.

Primary vaccination with live bursal disease vaccine prior to 12 weeks of age.

Primary vaccination with live Newcastle and bronchitis vaccines on at least 2 occasions prior to 12 weeks of age.

These primary vaccinations would then be followed by vaccination with Breedervac-IV-Plus at 16-22 weeks of age. A minimum of 4 weeks should elapse between the last live virus priming and injection with Breedervac-IV-Plus. Local conditions must be taken into consideration and, where necessary, veterinary advice should be sought.

Immunity

It is evident that for optimal protection, preceding vaccination with live vaccines (priming) should have taken place. Generally, in flocks vaccinated with Breedervac-IV-Plus, a protective level of immunity will be achieved with only small variations between individual chickens. Revaccination during molt is recommended.

Vaccination Reaction

This vaccine does not provoke clinical reactions in chickens. If shock is observed, this must usually be ascribed to the stress of handling.

Storage Conditions

Store in the dark in a refrigerator between 2-7°C (35-45°F). DO NOT FREEZE OR EXPOSE TO DIRECT SUNLIGHT.

Precautions and Warnings

TO AVOID HUMAN INJECTION, EXTREME CAUTION SHOULD BE USED WHEN INJECTING ANY OIL EMULSION VACCINE. ACCIDENTAL HUMAN INJECTION MAY CAUSE SERIOUS LOCAL REACTIONS. CONTACT A PHYSICIAN IMMEDIATELY IF ACCIDENTAL HUMAN INJECTION OCCURS.

1. If it is desired to vaccinate birds during lay, a drop in egg production may occur.
2. Do not administer this vaccine during the critical egg laying period from onset until after peak production.
3. Vaccinate market chickens by subcutaneous route only.
4. Injection of inactivated vaccine into breast muscle may create processing plant problems under certain conditions.
5. Do not vaccinate chickens within 42 days before slaughter.
6. Do not mix this vaccine with any other substances.
7. Use entire contents when first opened.
8. Ensure that vaccination equipment is clean and sterile before use.
9. Do not use vaccination equipment with rubber parts, as the oil emulsion may attack certain types of rubber.

This vaccine has undergone rigid potency, safety and purity tests, and meets Merck Animal Health and USDA 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.

This product is not hazardous when used according to directions supplied. A safety data sheet (SDS) is available upon request. This and any other consumer information can be obtained by calling Merck Animal Health Customer Service at 1-800-211-3573.

Notice

Keep a record of vaccine, quantity, serial number, expiration date, 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.

STORE VACCINE BETWEEN 2 AND 7°C (35 AND 45°F). DO NOT FREEZE.

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