

# UNIVAX<sup>®</sup> PLUS

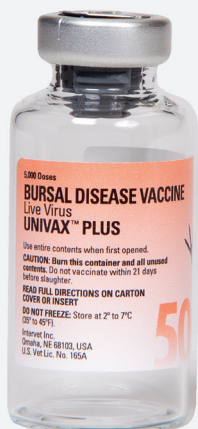
Bursal Disease Vaccine

(A Blend of a Tissue Culture Intermediate Strain and a Chick Embryo Origin Intermediate Strain, Live Virus)

For vaccination of healthy chickens 2 weeks of age or older as an aid in preventing infectious bursal disease (IBD) caused by standard and variant bursal disease viruses.

## ADVANTAGES:

- Contains 2 specially selected intermediate IBD strains, each of which is plaque purified for specificity and consistency
- The combined strains provide broad-spectrum protection against a wide variety of economically significant field strains of standard and variant bursal disease viruses
- Produces broad protection against standard and variant IBD strains without destroying future immunization capabilities
- Highly antigenic
- Mild reacting, safe for use in broilers, pullets, breeders



**Univax<sup>®</sup> Plus** is a live virus vaccine containing a blend of 2 carefully selected intermediate strains of bursal disease viruses. The first strain (ST-12) is grown in tissue culture and the other (A-51) is grown in chicken embryos. Both strains are combined with stabilizing agents. The product is supplied as a lyophilized vaccine contained in sealed vials.

For use in chickens at 2 weeks of age or older by drinking water as an aid in preventing IBD.

10 x 5,000 doses

# UNIVAX<sup>®</sup> PLUS

Bursal Disease Vaccine

(A Blend of a Tissue Culture Intermediate Strain and a Chick Embryo Origin Intermediate Strain, Live Virus)



For Animal Use Only.

## Description

Univax<sup>®</sup> Plus is a live virus vaccine containing a blend of 2 carefully selected intermediate strains of bursal disease viruses. The first strain (ST-12) is grown in tissue culture and the other (A-51) is grown in chicken embryos. Both strains are combined with stabilizing agents. The product is supplied as a lyophilized vaccine contained in vials sealed under vacuum. For use in chickens at 2 weeks of age or older by drinking water as an aid in preventing infectious bursal disease.

## Indications for Use

Vaccinate by drinking water at 2 weeks of age or older. Good management practices should be followed to reduce exposure of birds to virulent infectious bursal disease virus during the first weeks of life.

## Vaccination Programs

The development of a durable, strong protection depends upon the use of an effective vaccination program as well as many circumstances such as administration techniques, environment and flock health at the time of vaccination. Also the immune response to 1 vaccination under field conditions is seldom complete for all animals within a given flock. Even when vaccination is successful, the protection stimulated in individual animals against different diseases may not be lifelong. Therefore, under certain circumstances revaccination may be necessary.

## Preparation of the Vaccine

### DRINKING WATER METHOD

1. Assemble the vaccine and equipment needed to vaccinate the entire flock at one time.
2. Do not open and mix the vaccine until ready for use.
3. Remove the tear-off aluminum seal from the vaccine vial without disturbing the rubber stopper.
4. Use cool, clean, non-chlorinated tap water to which powdered milk has been added as directed under HOW TO VACCINATE.
5. Holding vial submerged in a pail of water or under a running stream of water, lift the lip of the rubber stopper so that the water (milk added) is sucked into the vial.
6. Reseat the stopper and shake the vial to thoroughly dissolve the vaccine.

## How to Vaccinate

### BY DRINKING WATER METHOD

Do not mix the vaccine into the drinking water until ready for use. Drinking water for vaccination should be mixed with powdered milk to prevent inactivation from chlorine or other water additives and also to stabilize the vaccine virus. The powdered milk should be added to the water at the rate of 3 grams per 11 liters (1 heaped teaspoon per 3 U.S. gallons); or 90 grams per 300 liters (1 heaped cupful per 80 U.S. gallons). Withhold water for a couple of hours before vaccinating so the birds are thirsty. Thoroughly clean and rinse all watering containers so that no residual disinfectants remain. Dilute the vaccine immediately before use with cool, clean, non-chlorinated water (milk added). Pour the dissolved vaccine material into the following amounts of water and mix thoroughly.

Each 1000 Birds	U.S. Gallons	Metric Liters
2 to 4 Weeks	2.5	10
4 to 8 Weeks	5	20
Over 8 Weeks	10	40

Distribute diluted vaccine so that all birds are able to drink within a 1 hour period and do not add any more water until the vaccine is consumed. Avoid placing water in direct sunlight.

## Caution

1. For use by drinking water in birds 2 weeks or older.
2. All birds within a house should be vaccinated on the same day. Isolate other susceptible birds on the premises from the birds being vaccinated.
3. Vaccinate only healthy birds. Although disease may not be evident, coccidiosis, chronic respiratory disease, *Mycoplasma* infection, lymphoid leukosis, Marek's disease, or other disease conditions may cause serious complications or reduce protection.
4. In outbreak situations, vaccinate healthy birds first, progressing toward outbreak areas in order to vaccinate diseased birds last.
5. Do not spill or spatter the vaccine. Use entire contents of vial when first opened. Burn empty bottles, caps and all unused vaccine and accessories.
6. Wash hands thoroughly after using the vaccine.
7. Do not dilute the vaccine or otherwise stretch the dosage.
8. Store at 2° to 7° C (35° to 45° F).
9. Do not vaccinate within 21 days before slaughter.
10. Use only in states (U.S.) where permitted and on premises with a history of bursal disease.

## Notice

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.

## Records

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

This vaccine contains gentamicin as a preservative. The use of this vaccine is subject to state laws wherever applicable.

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