

## FOR ANIMAL USE ONLY

### UNIVAX-BD<sup>®</sup>

Bursal Disease Vaccine (Gumboro) - Live virus

Reg. No. G3674 (Act 36/1947)

Namibia Reg. No. V07/24.3/752 NS0

### INDICATIONS

For use as an aid in the prevention of infectious bursal disease (Gumboro) in chickens.

### COMPOSITION

**Univax-BD<sup>®</sup>** is a live virus vaccine containing a mild strain (ST-12) of bursal disease (Gumboro) virus grown in tissue culture and combined with stabilising agents and gentamycin as preservative. **Univax-BD<sup>®</sup>** is supplied as a lyophilised vaccine contained in vials sealed under vacuum.

### STORAGE

- Store between 2 °C and 7 °C.
- Do not freeze.
- Protect from light.

### WARNINGS

- **Withdrawal period:** Do not slaughter chickens for human consumption within 21 days after vaccination.
- Vaccinate healthy chickens only.
- Use only healthy embryonated eggs for the *in ovo* route.
- Do not spill or spatter the vaccine.
- Dispose of any unused vaccine as well as all empty vaccine containers and vaccination equipment according to local waste disposal regulations.
- **KEEP OUT OF REACH OF CHILDREN, UNINFORMED PERSONS AND ANIMALS.**
- Although this vaccine has been extensively tested under a large variety of conditions, failure thereof may ensue as a result of a wide range of reasons. If this is suspected, seek veterinary advice and notify the registration holder.

### PRECAUTIONS

- Use entire contents of vial when first opened.
- Wash hands thoroughly after using **Univax-BD<sup>®</sup>**.
- Do not dilute **Univax-BD<sup>®</sup>** or otherwise stretch the dosage.
- All chickens within a house should be vaccinated on the same day.
- Isolate other susceptible chickens on the premises from chickens being vaccinated.
- It is good vaccination practice to avoid contact with the eyes, hands and clothes when handling/administering the vaccine.

### DIRECTIONS FOR USE - USE ONLY AS DIRECTED

#### WHEN TO VACCINATE

Vaccinate 18 to 19 day old embryonated chicken eggs by the *in ovo* route using an *in ovo* system or subcutaneously at 1 day of age or by drinking water at 1 week or older. Good management practices should be followed to reduce exposure of chickens to virulent infectious bursal disease (Gumboro) virus during the first few weeks of life.

### PREPARATION OF THE VACCINE

#### *In ovo* and subcutaneous routes of administration

- Do not open and mix the vaccine until ready for use.
- Open only 1 vial at a time and use entire contents within 2 hours.
- Remove the tear-off aluminium seal on the vaccine vial to expose rubber stopper. Using a sterile needle and 5 ml or 10 ml syringe, remove a small amount (5 ml) of diluent from the

diluent bottle and transfer this to the vaccine vial. Vacuum in the vaccine vial will rapidly pull in the diluent. Release the vacuum remaining in the vial.

- Shake the vaccine vial with transferred diluent to rehydrate the vaccine.
- Using the same sterile needle and syringe, completely transfer the rehydrated vaccine to the remaining diluent in the diluent bottle. Rinse syringe and vaccine vial by withdrawing additional diluent and repeating the process.
- Shake final rehydrated vaccine for 20 to 30 seconds to mix thoroughly.
- The vaccine is now ready for use.

### Drinking water method

- Assemble the vaccine and equipment needed to vaccinate the entire flock at one time.
- Do not open and mix the vaccine until ready for use.
- Remove the tear-off aluminium seal from the vaccine vial without disturbing the rubber stopper.
- Use cool, clean, non-chlorinated water.
- Holding the vial submerged in a bucket of water or under a running stream of water, lift the lip of the rubber stopper so that the water is sucked into the vial.
- Reseat the stopper and shake the vial to thoroughly dissolve the vaccine.

## HOW TO VACCINATE

### 1. *In ovo* route of administration

- Follow the *in ovo* system operator's manual before attempting any *in ovo* vaccination.
- Sanitise the *in ovo* system according to the operator's manual.
- The *in ovo* system should be calibrated accurately to deliver 0,05 ml into each embryonated egg.

### 2. Subcutaneous route of administration

- Insert a filling tube (large, sharpened transfer tube) into the vaccine vial.
- Connect the filling tube by means of rubber or plastic tubing to an automatic vaccinator fitted with a 22 gauge, ½ inch needle.
- The automatic vaccinator should be calibrated ahead of time to accurately deliver 0,2 ml.

### 3. Drinking water method

- Do not mix **Univax-BD**<sup>®</sup> into the drinking water until ready for use.
- Withhold water for 1 to 2 hours depending on the ambient temperature before vaccinating to ensure that chickens are thirsty.
- Thoroughly clean and rinse all watering containers so that no residual disinfectants remain.
- Dilute **Univax-BD**<sup>®</sup> immediately before use with cool, clean, non-chlorinated water.
- Pour the dissolved vaccine material into the following amounts of water and mix thoroughly;

### Each 1 000 chickens:

Age	Water
1 week	6,5 l
2 to 4 weeks	10 l
4 to 8 weeks	20 l
Over 8 weeks	40 l

- Distribute diluted vaccine so that all chickens 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.
- Use only as indicated.

## PRESENTATION

Cartons containing 10 x 5 000 dose vials.

**REGISTRATION HOLDER**

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