

FOR ANIMAL USE ONLY

NOBILIS® GUMBORO 228E

Reg. No. G2423 (Act 36/1947)

Namibia Reg. No. V16/24.3/1371 NSO

Only for use by or under the supervision of persons registered in terms of or authorised in terms of section 23 (1) (c) of the Veterinary and Para-Veterinary Professions Act, 1982 (Act No. 19 of 1982).

INDICATIONS

Nobilis® Gumboro 228E is a live vaccine for the active immunisation of chickens against Infectious Bursal Disease (Gumboro).

COMPOSITION

Nobilis® Gumboro 228E contains 2,0 log₁₀ EID₅₀ of live Gumboro Disease virus strain 228E per dose. The freeze-dried vaccine pellet contains stabilisers and gentamycin.

STORAGE

- Store in the dark between 2 °C and 8 °C.
- Do not freeze.
- Avoid prolonged or repetitive exposure to high ambient temperatures following withdrawal from the refrigerator prior to use.
- Use the vaccine within 2 hours after reconstitution.
- Protect from exposure to direct sunlight.

WARNINGS

- **Withdrawal period:** Do not vaccinate within 21 days before slaughter.
- It is advisable to vaccinate all the susceptible chickens on the farm at the same time.
- If this is not feasible, strict separation of vaccinated and unvaccinated chickens should be done to prevent the spread of the vaccine virus to the unvaccinated chickens.
- Do not mix **Nobilis® Gumboro 228E** with other vaccines.
- Do not administer **Nobilis® Gumboro 228E** simultaneously with or within 7 days after the vaccination with any other live vaccine.
- Use according to the number of doses as indicated on the label.
- Wash and disinfect hands and equipment after vaccination.
- Use the vaccine within 2 hours after reconstitution.
- Do not open and reconstitute the vaccine until ready to start vaccination.
- The vaccine should be dissolved in an amount of water, which will be consumed by the chickens within 2 hours after reconstitution.
- Do not store partially used vaccine containers for future use.
- Destroy any unused, reconstituted vaccine, empty vaccine containers, needles etc. according to local waste disposal regulations.
- **KEEP OUT OF REACH OF CHILDREN, ANIMALS AND UNINFORMED PERSONS.**
- 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

- Vaccinate healthy chickens only.
- Ensure that the drinking water used for the administration of the vaccine is free from chlorine, iron and/or disinfectants.
- Ensure that the vaccine-medicated water is consumed within 1 to 2 hours (i.e. shelf-life of 2 hours) at a temperature of 25 °C or lower.
- Each container should be used immediately after opening.
- All containers used for the reconstitution and administration of the vaccine must be clean and free from rust and traces of detergents and disinfectants.
- Do not use the contents of damaged containers.
- It is good vaccination practice to avoid contact with the eyes, hands and clothing when handling the vaccine.

DIRECTIONS FOR USE - USE ONLY AS DIRECTED

Vaccination Programme

The vaccine virus strain 228E is a less attenuated intermediate IBDV strain. As a result of this, the virus is capable of breaking through the maternal immunity at an earlier stage and will spread better through the vaccinated flock.

The age at which the chickens can be successfully vaccinated depends on the level of maternally derived antibodies (MDA) and therefore on the type of flock and on the way the parent flock had been vaccinated.

Guidelines

1. Broilers derived from parent flocks vaccinated with live Gumboro vaccine only, may be vaccinated from day 7 to 14.
2. Broilers derived from parent flocks vaccinated with inactivated Gumboro vaccines may be vaccinated from day 14 to 17.
3. The vaccination of future laying stock derived from parent flocks vaccinated with live Gumboro vaccines only, should be carried out from day 14 to 21.
4. The vaccination of future laying stock derived from parent flocks vaccinated with live and with inactivated Gumboro vaccines should be carried out from day 21 to 28.

The above presented scheme is based on the fact that at these time periods the MDA levels in that particular progeny have decreased sufficiently (e.g. \log_2 VN titer between approximately 7,0 and 8,5) to vaccinate them successfully with **Nobilis® Gumboro 228E** but are still high enough to protect them against infection with circulating field viruses.

Administration

- The vaccine is administered through the drinking water at 1 dose per chicken.
- The vaccine should be dissolved in an amount of water, which will be consumed by the chickens within 2 hours.

PREPARATION AND DOSAGE

Drinking water

- The containers of vaccine should be opened under water. Use distilled water which is free from iron or chlorine.
- Ensure the uptake of all vaccine-medicated water in 2 hours.
- Ensure that there are enough drinkers available to ensure that all chickens have access to vaccine-medicated water within 1 to 2 hours.
- Depending on weather conditions, it may be advisable to deprive the chickens of water prior to vaccination. Ensure that the chickens are thirsty by withholding normal

water supply from the chickens for 1 to 2 hours, depending on the ambient temperature prior to vaccination.

- If water troughs are used, a sufficient number should be provided to ensure adequate drinking space. These should be thoroughly cleaned and free from traces of detergents and/or disinfectants.
- The quantity of water depends on a large number of factors, including ambient temperature, stocking densities, etc.
- It is advisable to consult water consumption tables. An example of dosing rates is as follows: Dissolve 1 000 doses in as many litres of water as the age of the chickens in days, to a maximum of 40 l.
- The vaccine should be given in the early morning, as this is the main drinking period, as well as the cooler period of the day.
- When vaccinating large flocks, it is advisable to start by dissolving only part of the vaccine.
- If the vaccine is administered through a central water supply or proportioner, greater care should be taken.
- For numbers of chickens between standard dosages, the next higher dose should be chosen.

IMMUNITY

The first signs of the antibody response are observed 1 week after vaccination.

VACCINATION REACTION

Post-vaccination reactions have not been observed after the vaccination of healthy chickens.

PRESENTATION

Vials containing 1 000, 2 500 and, 5 000 doses respectively and packed in cardboard boxes of 10 vials per box.

REGISTRATION HOLDER

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