



For animal use only

**BOTULISM**  
**VACCINE FOR CATTLE, HORSES,**  
**MULES, SHEEP AND GOATS**

Reg. No. G 0111 (Act 36/1947) Namibia: V01 /24.4/160



Formalinised aluminium hydroxide gel adsorbed toxoid of *Clostridium botulinum* types C and D for the immunisation of cattle, horses, mules, sheep and goats against botulism.

Store the vaccine at a temperature of 4 °C to 8 °C, in a refrigerator. Do not use the vaccine after the expiry date printed on the bottle.

**RECOMMENDATIONS FOR USE**

Botulism (lamsiekte) is caused by the toxin of the organism known as *Clostridium botulinum* which is present in the decomposing carcasses of animals, birds, etc. If the grazing is deficient in phosphorus, cattle will satisfy a craving by eating the old bones of decomposed carcasses and thus develop botulism. The vaccine will protect animals against the botulinum toxin, but is not a substitute for the supplementary feeding of phosphorus. Animals that have not previously been immunised should be given 2 injections of the vaccine at an interval of 4 - 7 weeks. Thereafter they are given only one injection annually. The second injection is very important for better immunity.

**WARNINGS**

Do not slaughter animals for human consumption within 21 days of vaccination. Vaccinate healthy animals only. Keep out of reach of children, uninformed persons and animals. Although this product 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.

**DIRECTIONS FOR USE**

Use only as directed.

Sterilise syringes and needles by boiling in water for at least 15 minutes. Do not use disinfectants or methylated spirits for sterilising either syringes or needles. Use a separate needle for each animal. Shake the bottle well each time before filling the syringe. Avoid exposure to high temperatures and direct sunlight during inoculation.

**DOSAGE:**

Sheep and goats: 1 ml subcutaneously  
Cattle, horses and mules: 2 ml subcutaneously

**EFFECTS OF THE VACCINE**

The vaccine does not cause any untoward reactions but some horses may show temporary local swellings. Immunity which lasts for approximately 9-12 months is produced and annual revaccination is recommended. Immunity cannot be guaranteed in all animals.

**PACKING**

Available in bottles of 50 ml and 100 ml.

**Registration holder:**

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Made in South Africa

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