

FOR ANIMAL USE ONLY

MULTIVAX-P PLUS

Reg. No. G3694 (Act 36/1947)

Namibia Reg. No. V06/24.4/183 NSO

INDICATIONS

For the active immunisation of sheep as an aid in the control of lamb dysentery, pulpy kidney, tetanus, blackleg, black disease and clostridial metritis caused by the organisms listed below. The vaccine may be used as an aid in the control of pneumonic pasteurellosis in sheep of all ages, minimum age of 3 weeks and in the control of systemic pasteurellosis in weaned fattening and breeding sheep. **Multivax P-Plus** may be used in pregnant ewes as an aid in the control of lamb dysentery, pulpy kidney, tetanus and pasteurellosis in their lambs provided that the lambs receive sufficient immune colostrum during the first 1 to 2 days of life.

COMPOSITION

Combined 7-in-1 Clostridial plus *Pasteurella* vaccine.

An opaque fluid vaccine containing toxoids of *Clostridium perfringens* types B, C and D, *Clostridium septicum*, *Clostridium tetani*, *Clostridium novyi* type B, and formalin killed cells and toxoids of *Clostridium chauvoei* and iron-regulated antigens from the epidemiologically most important serotypes of *Mannheimia (Pasteurella) haemolytica* and *Pasteurella trehalosi* in buffered physiological saline adsorbed onto aluminium hydroxide.

Preservative: Thiomersal.

STORAGE

- Store in a cool place between 2 °C and 8 °C.
- Do not freeze.
- Protect from light.

WARNINGS

- **Withdrawal period:** Zero days
- **Multivax P-Plus** contains an adjuvant which may cause a small transient injection site reaction possibly lasting for up to 3 to 4 months after vaccination.
- In any group of animals a small number of individuals may fail to respond to vaccination as a result of immunological incompetence or for some other reason.
- Satisfactory immune responses will only be attained in healthy animals, thus it is important to avoid vaccination of animals which have intercurrent infection or metabolic disorders.
- As with most killed vaccines, significant levels of immunity cannot be expected until 2 weeks after the second dose of vaccine in the primary vaccination course.
- When vaccinating animals, stress should be avoided, particularly during later stages of pregnancy when there is a risk of inducing abortion or metabolic disorders.
- As with all vaccines, occasional hypersensitivity reactions may occur.
- 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 remedy 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

Shake well before use.

Administration is by subcutaneous injection in the loose skin on the side of the upper neck, observing aseptic precautions.

Syringes and needles should be from gamma irradiated packs or freshly sterilised by boiling for at least 20 minutes.

No alcohol or other disinfectants should be used for sterilisation.

The **Multivax P-Plus** bottle is collapsible, and it is not necessary to inject air into the bottle to enable vaccine to be withdrawn. It is, therefore, suitable for use with an automatic reloading injection syringe without using an air tube through the bottle cap.

The instructions supplied with such syringes should be noted and care should be taken to ensure the delivery of the full dose, particularly with the final few doses from the bottle.

DOSAGE

Sheep of all ages should be given a 2 ml injection subcutaneously. The duration of passive immunity for lambs born from ewes vaccinated with **Multivax P-Plus** is 4 to 6 weeks. These lambs receive a first injection of 2 ml at 4 to 6 weeks of age, followed by a second injection of 2 ml 4 to 6 weeks later. All sheep from the age of 3 weeks onwards and not previously vaccinated with **Multivax P-Plus** must receive two injections of 2 ml each at an interval of 4 to 6 weeks. Thereafter they must receive booster injections at intervals of not more than 12 months. In adult breeding ewes these annual booster injections should be given during the pre-lambing period, 4 to 6 weeks before lambing. A *Pasteurella* vaccine may be required as a booster 2 to 3 weeks prior to expected seasonal pasteurellosis outbreaks. **Multivax P-Plus** should not be used in lambs younger than 3 weeks of age.

IDENTIFICATION

An opaque fluid vaccine.

PRESENTATION

100 ml (50 doses), 250 ml (125 doses) and 500 ml (250 doses) collapsible low density polyethylene multidose containers.

REGISTRATION HOLDER

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DATE OF PUBLICATION OF THIS PACKAGE INSERT

10 July 2006