Post-operative Procedure

Follow up wound Treatment:

Flies are annoying and can cause myiasis in the calf. To prevent and treat, a fly repellent (Matabicheras fort dodge) was used. An antibiotic spray (tetravet aerosol) was also used to prevent infection. Both aerosols were sprayed daily following the castration surgery. 1 shot of Penicillin- Streptomycin 10000 I.U administered intramuscularly every 3 days following the castration.

Drugs:

1. TETRAVET AEROSOL SPRAY



Indications:

Used for the treatment of topical microbial infections in all species of animals.(antibiotic and anti-septic spray)

Features and Benefits:

• Broad spectrum antibiotic.

• Quick, easy prevention of infection.

• Comes in an aerosol can for ease-of-use.

• Effectively treats all superficial cuts, wounds and grazes.

Description

Dark blue aerosols spray containing 40mg/mL oxytetracycline hydrochloride and 2mg/mL gentian violet. Aerosol is propelled by hydrocarbons. Available in a 200g (net) aluminium aerosol can.

Mode of action:

Oxytetracycline is a very stable bacteriostatic broad-spectrum antibiotic that interferes with the protein synthesis of Gram+ve and Gram-ve bacteria, Rickettsia, Chlamydia and some species of Mycoplasma and protozoa. This action is not appreciably affected by blood and tissue breakdown products.

Gentian violet is an antiseptic and antifungal dye acting predominantly against Gram+ve bacteria by interfering with the micro-organism's cell wall. This ingredient is also useful to identify the areas treated.

Witholding period:

Meat: Nil

1. MATABICHERAS FORT DODGE



Indications:

Recommended for wounds caused by Diptera larvae (Flies), indicated to prevent and cure myiasis in navels of newborn animals and in wounds caused by castration, dehorning, tail amputation, marking, excoriations and surgeries.

It is also recommended for use on lesions caused by Dermatobia hominis larvae, foot rot (pododermatitis), wounds from warts (papillomas), and any other wounds.

Mode of action:

Matabicheras Fort Dodge is a modern larvicide, repellent and healing, formulated based on two phosphorous insecticidal products and Gentian Violet, chemotherapeutic and healing. It allows the active elimination of larvae and avoiding the approach of insects and reinfection of the wounds. The high healing power of Gentian Violet leads to an immediate recovery of affected tissues. The violet coloration conferred by the product is temporary and allows the identification of lesions in treated animals.

1. PENICILLIN- STREPTOMYCIN

Indication:

Control bacterial contamination. It is effective against most gram positive and gram negative bacteria.

Mode of action:

Penicillin acts by interfering directly with the turnover of the bacterial cell wall and indirectly by triggering the release of enzymes that further alter the cell wall. Streptomycin acts by binding to the 30S subunit of the bacterial ribosome, leading to inhibition of protein synthesis and death in susceptible bacteria.

Description:

This solution contains 10,000 units/mL of penicillin and 10,000 µg/mL of streptomycin.

Penicillin-Streptomycin is used to supplement cell culture media to control bacterial contamination. It is effective against most gram positive and gram negative bacteria.