THE SCIENCE OF HEALTHIER ANIMALS

PIG
PRODUCT GUIDE

MSD
Animal Health

MSD Animal Health, is 'n internasionale leier in dieregesondheid. Die maatskappy fokus op navorsing, ontwikkeling en die bemarking van innoverende en hoë kwaliteit dieregesondheidsprodukte.

Die produkreeks bestaan uit entstowwe, antiparasitiese, antimikrobiese en hormonale middels vir estrus sinkronisering en die bevordering van teelprestasie sowel as groeibevorderaars vir herkouers, geselskapsdiere, varke en pluimvee.

MSD Animal Health was nog altyd 'n navorsingsgedrewe maatskappy en is die trotse eienaar van die enigste Suid-Afrikaanse maatskappy met 'n eie navorsingseenheid. Die navorsingseenheid te Malalane is ten volle geakkrediteer en is verantwoordelik vir beide plaaslike asook internasionale navorsing en produkontwikkeling.

Die Malalane navorsingseenheid is in die skilderagtige Kaalrugvallei van die Mpumalanga Laeveld geleë – 26 km vanaf die Suidelike grens van die Nasionale Kruger Wildtuin. Die primêre aktiwiteite by die navorsingseenheid is die ontwikkeling en evaluering van nuwe inwendige- en uitwendige parasietmiddels. Die weidings is natuurlik met bosluise besmet en die plaaslike beeskudde is die ideale model om die effektiwiteit en veiligheid van die middels te toets. Bosluise word ook vir weerstand teen die verskillende uitwendige parasietmiddels getoets en boere word geadviseer oor watter middels om te gebruik.

'n Bosluisbestuurstelsel is ontwikkel om boere van raad te bedien. Ons navorsingseenheid waar dipmonsters ontleed word, verskaf 'n vinnige en gratis diens aan Suid-Afrikaanse boere. Verbruikers van **MSD Animal Health** se middels word oor die sterkte van die dippe wat gebruik word geadviseer en indien nodig, watter aanpassings gemaak moet word. Hierdie eenheid is in die voorste linie wanneer dit by die toetsing van wurms vir weerstand teen inwendige parasietmiddels kom. Miseiertellings word gedoen om boere te adviseer oor watter inwendige parasietmiddels gebruik kan word. Inligtingsdae word gereeld gehou om boere en ander belangegroepe oor die nuutste ontwikkelinge in siektebeheer in te lig.

Ons verkoopspan word deur die Bemarkingsafdeling en hoogs gekwalifiseerde veeartse bygestaan. Hierdie individue voorsien kundigheid in hul onderskeie velde vir herkouers, melkerye, kleinvee, geselskapsdiere, varke en pluimvee.

MSD Animal Health se doelwit is om diensgedrewe te wees en om Suid-Afrikaanse boere van optimale oplossings vir al hul dieregesondheidsbehoeftes te voorsien.

THE SCIENCE OF HEALTHIER ANIMALS

MSD Animal Health, is one of the world's leading animal health companies. The company is dedicated to the research and development, production and marketing of innovative, high quality animal health products.

The company's product range includes vaccines, anti-parasitics, anti-infectives, endocrine products for regulation and improvement of breeding performance and productivity enhancers for ruminants, companion animals, pigs and poultry.

MSD Animal Health has always been a research driven company and is proud to have the only South African company-owned research unit in South Africa. This fully accredited Research Unit, based in Malalane, is responsible for both local and international research and product development.

The Malalane Research Unit is situated in the beautiful Kaalrug Valley of the Mpumalanga Lowveld, 26 km from the Southern border of the famous Kruger National Park. The main activities taking place at the research unit are the development and testing of new ecto- and endoparasitic drugs. The pastures are naturally infested with ticks and the resident cattle herd is the ideal model for testing the activity and safety of these drugs. Ticks are also tested for resistance to the various ectoparasiticides and farmers are advised on which compounds to use.

A tick management system has been developed to provide advice to farmers. Our research unit provides a rapid and free dip wash analysis service to South African farmers. Users of **MSD Animal Health**'s compounds are advised whether their dips are at the correct strength and, if not, what adjustments should be made. The unit is also at the forefront when it comes to the testing of worms for resistance against endoparasiticides. Faecal egg count reduction tests are done to advise farmers which endoparasitic drugs to use. Information days are held to inform farmers and other interested groups on the latest developments in disease control.

Our sales team is strongly supported by our Marketing Department and highly qualified veterinarians. They provide expertise in their respective fields, such as beef, dairy, small livestock, companion animals, pigs and poultry.

MSD Animal Health's goal is to be entirely service focused and provide South African farmers with optimal solutions to all their animal health needs.

MSD
Animal Health

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INHOUDSOPGAWE

01

ANTIBIOTICS / ANTIBIOTIKAS

DISULFOX® L.A.

REG NO G3212 (Act 36/1947)

NAMIBIA REG NO V00/17.1.7/649

INDICATIONS
DISULFOX® L.A. is recommended for the treatment of joint-ill and pneumonia in pigs.

COMPOSITION
Each 1 mℓ contains:
Sodium Sulphadimethoxine 40% m/v

PHARMACOLOGICAL ACTION
Sulfonamides are broad spectrum antimicrobials inhibiting both gram-positive and gram-negative bacteria, as well as some protozoa. Sulphadimethoxine inhibits bacterial synthesis of folic acid (pteroylglutamic acid) from para-amino benzoic acid.

WITHDRAWAL PERIOD
MEAT: PIGS – 7 DAYS

DOSAGE AND DIRECTIONS FOR USE
Pigs:
Initial dose: 1-2 mℓ per 10 kg body mass
Maintenance dose: 0.5-1 mℓ per 10 kg body mass

Administer by subcutaneous or intravenous routes. When using he intravenous route, give the injection very slowly.

Do not treat for more than 4 days.

PRESENTATION
100 mℓ and 500 mℓ.

INDIKASIES
DISULFOX® L.A. word gebruik vir die behandeling van septiese gewrigsontsteking en longontsteking in varke.

SAMESTELLING
Elke 1 mℓ bevat:
Natriumsulfadimetoksien 40% m/v

FARMAKOLOGIESE WERKING
Sulfoonamiedes is breë-spektrum antimikrobiese middels wat albei gram-positiewe en gram-negatiewe bakterieë, sowel as sommige protozoa, inhibeer. Sulfadimetoksien inhibeer bakteriese sintese van foliensuur (pteroilglutamiese suur) van para-amino benzoic suur.

ONTTREKKINGSPERIODE
VLEIS: VARKE – 7 DAE

DOSIS EN GEBRUIKSAANWYSINGS
Varke:
Aanvangsdosis: 1-2 mℓ per 10 kg liggaamsmassa
Onderhoudsdosis: 0.5-1 mℓ per 10 kg liggaamsmassa

Dien toe deur onderhuidse of binneaarse inspuiting. Die binneaarse inspuiting moet baie stadig toegedien word.

Moet nie langer as 4 dae behandel nie.

AANBIEDING
100mℓ en 500 mℓ.

ENGEMYCIN® 10%

REG NO G2470 (Act 36/1947)

NAMIBIA REG NO V98/17.1.2/668

ZIMBABWE REG NO 94/80.22.10/9381

AVAILABLE THROUGH VETS ONLY

INDICATIONS
ENGEMYCIN® 10 % is an aqueous oxytetracycline injectable solution for the treatment and control of disease conditions caused by or associated with oxytetracycline susceptible organisms. It is recommended for the treatment of bacterial pneumonia, mastitis, bacterial enteritis, navel/joint-ill and bacterial wound infections.

COMPOSITION
Each 1mℓ contains:
100 mg oxytetracycline in a complex with magnesium and polyvinylpyrrolidone

PHARMACOLOGICAL ACTION
Oxytetracycline is indicated for treatment of infections caused by a variety of Gram-positive and Gram-negative microorganisms. It inhibits cell growth.

WITHDRAWAL PERIOD
MEAT AND ORGANS: PIGS – 14 DAYS AFTER THE LAST DOSAGE.

DOSAGE AND DIRECTIONS FOR USE
Pigs: 1 mℓ /10 kg body mass subcutaneous or intramuscular.

PRESENTATION
100 mℓ and 250 mℓ.

SLEGS BESKIKBAAR DEUR U VEEARTS

INDIKASIES
ENGEMYCIN® 10 % is 'n waterige oksitetrasiklien inspuitbare oplossing vir die behandeling en beheer van siekte toestande veroorsaak deur of geassosieer met oksitetrasiklien sensitiewe organismes. Dit word aanbeveel vir die behandeling van longontsteking, mastitis, bakteriële enteritis, naelstringsiekte, gewrigsontsteking en bakteriële wondinfeksies.

SAMESTELLING
Elke 1mℓ bevat:
100 mg oksitetrasiklien in 'n kompleks met magnesium en polivinielpirrolidoon

FARMAKOLOGIESE WERKING
Oksitetrasiklien word aangedui vir die behandeling van verskeie infeksies wat veroorsaak word deur Gram-positiewe en Gram-negatiewe mikroorganismes. Dit inhibeer sellulêre groei.

ONTTREKKINGSPERIODE
VLEIS EN ORGANE: VARKE – 14 DAE NA DIE LAASTE DOSERING.

DOSIS EN GEBRUIKSAANWYSINGS
Varke: 1 mℓ / 10 kg liggaamsmassa onderhuids of binne-spiers.

AANBIEDING
100 mℓ en 250 mℓ.

ENGEMYCIN® SPRAY

REG NO G2981 (Act 36/1947)

NAMIBIA REG NO V02/17.1.2/661

INDICATIONS
ENGEMYCIN® SPRAY is recommended for treatment of topical infections such as lacerations, abrasions, gaping wounds, dermatitis and footrot caused by or associated with organisms susceptible to oxytetracycline.

COMPOSITION
Each 200 mℓ contains:
5 g Oxytetracycline hydrochloride (equivalent to 4.63 g of oxytetracycline)

PHARMACOLOGICAL ACTION
Oxytetracycline is indicated for treatment of infections caused by a variety of Gram-positive and Gram-negative microorganisms. It inhibits cell growth.

WARNINGS
Do not administer to animals with known hypersensitivity to tetracyclines.

WITHDRAWAL PERIOD
NONE

DOSAGE AND DIRECTIONS FOR USE
Pigs: Before treatment, thoroughly clean the affected area. Spray the product onto the affected area for 1-2 seconds, at a distance of 15-20 cm. Repeat the treatment every 12 hours, until complete recovery.

PRESENTATION
200 mℓ Aerosol suspension spray can.

INDIKASIES
ENGEMYCIN® SPRAY word aanbeveel vir die behandeling van oppervlakkige snywonde, skaafplekke, oopwonde, dermatitis en vrotpootjie wat veroorsaak word deur of geassosieer word met organismes sensitief vir oksitetrasiklien.

SAMESTELLING
Elke 200 mℓ bevat:
5 g Oksitetrasiklien hidrochloried (gelykstaande aan 4,63 g van oksitetrasiklien)

FARMAKOLOGIESE WERKING
Oksitetrasiklien word aangedui vir die behandeling van verskeie infeksies wat veroorsaak word deur Gram-positiewe en Gram-negatiewe mikroorganismes. Dit inhibeer sellulêre groei.

WAARSKUWINGS
Moenie op diere wat hipersensitief vir tetrasikliene is, gebruik nie.

ONTTREKKINGSPERIODE
GEEN

DOSIS EN GEBRUIKSAANWYSINGS
Varke: Voor aanwending, reinig die geaffekteerde area. Wend sproei egalig aan op geaffekteerde area vir 1-2 sekondes, teen 'n afstand van 15-20 cm. Herhaal die behandeling elke 12 ure tot volledige genesing plaasgevind het.

AANBIEDING
200 mℓ Aërosol houer.

REVERIN 100

REG NO G2871 (Act 36/1947)

NAMIBIA REG NO V03/17.1.2/682

INDICATIONS
REVERIN 100 is recommended for the treatment of bacterial pneumonia, mastitis, bacterial enteritis, navel/joint-ill and bacterial wound infections.

COMPOSITION
Each 1 mℓ contains:
100 mg Oxytetracycline

PHARMACOLOGICAL ACTION
Oxytetracycline is indicated for treatment of infections caused by a variety of Gram-positive and Gram-negative microorganisms. It inhibits cell growth.

WITHDRAWAL PERIOD
MEAT AND OTHER ORGANS: PIGS – 14 DAYS AFTER THE LAST DOSAGE.

DOSAGE AND DIRECTIONS FOR USE
Pigs: 1 mℓ per 10 kg body mass subcutaneous or intramuscular.

PRESENTATION
100 mℓ and 500 mℓ.

INDIKASIES
REVERIN 100 word aanbeveel vir die behandeling van longontsteking, mastitis, bakteriële enteritis, naelstringsiekte, gewrigsontsteking en bakteriële wond infeksies.

SAMESTELLING
Elke 1 mℓ bevat:
100 mg Oksitetrasiklien

FARMAKOLOGIESE WERKING
Oksitetrasiklien word aangedui vir die behandeling van verskeie infeksies wat veroorsaak word deur Gram-positiewe en Gram-negatiewe mikroorganismes. Dit inhibeer sellulêre groei.

ONTTREKKINGSPERIODE
VLEIS EN ANDER ORGANE: VARKE – 14 DAE NA DIE LAASTE DOSERING.

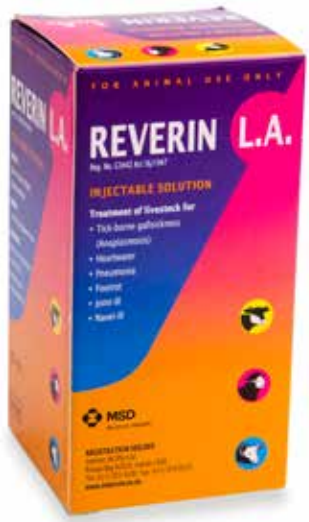
DOSIS EN GEBRUIKSAANWYSINGS
Varke: 1 mℓ per 10 kg liggaamsmassa onderhuids of binne-spiers.

AANBIEDING
100 mℓ en 500 mℓ.

REVERIN L.A.

REG NO G3442 (Act 36/1947)

NAMIBIA REG NO V02/17.1.2/660



INDICATIONS
REVERIN L.A. is recommended for the treatment of pneumonia, footrot, joint-ill and navel-ill in pigs.

COMPOSITION
Each 1 mℓ contains:
200 mg Oxytetracycline

PHARMACOLOGICAL ACTION
Oxytetracycline is indicated for treatment of infections caused by a variety of Gram-positive and Gram-negative microorganisms. It inhibits cell growth.

WARNINGS
- Do not inject intravenously.
- Do not administer to animals with known hypersensitivity to tetracyclines.

WITHDRAWAL PERIOD
MEAT AND ORGANS: PIGS – 28 DAYS

DOSAGE AND DIRECTIONS FOR USE
Pigs: 1 mℓ per 10 kg bodyweight. Administer by deep intramuscular injection. The treatment can be repeated if needed after 60 – 72 hours.

It is advisable not to administer at any injection site volumes of product greater than 10 mℓ in pigs.

PRESENTATION
100 mℓ and 500 mℓ.

INDIKASIES
REVERIN L.A. word aanbeveel vir die behandeling van longontsteking, vrotpootjie, septiese gewrigsontsteking en naelstringsiekte in varke.

SAMESTELLING
Elke 1 mℓ bevat:
200 mg Oksitetrasiklien

FARMAKOLOGIESE WERKING
Oksitetrasiklien word aangedui vir die behandeling van verskeie infeksies wat veroorsaak word deur Gram-positiewe en Gram-negatiewe mikroorganismes. Dit inhibeer sellulêre groei.

WAARSKUWINGS
- Moet nie binneaars toedien nie.
- Moet nie aan diere met 'n hipersensitiwiteit vir tetrasiklien toedien nie.

ONTTREKKINGSPERIODE
VLEIS EN ORGANE: VARKE – 28 DAE

DOSIS EN GEBRUIKSAANWYSINGS
Varke: 1 mℓ per 10 kg liggaamsmassa. Dien toe deur diep binnespierse inspuiting. Indien nodig kan die behandeling herhaal word 60 – 72 uur na eerste behandeling.

Dit word aanbeveel om nie volumes groter as 10 mℓ by varke toe te dien op dieselfde plek van inspuiting nie.

AANBIEDING
100 mℓ en 500 mℓ.

TETRAMAX® L.A.

REG NO G2917 (Act 36/1947)

NAMIBIA REG NO V07/17.1.2/749

For use by or under the control of a veterinarian only.

INDICATIONS
TETRAMAX® L.A. is recommended for the treatment and control of diseases in pigs caused by, or associated with, organisms sensitive to oxytetracycline.

COMPOSITION
Each 1 mℓ contains:
200 mg Oxytetracycline as a magnesium complex with Povidone and N-Methyl Pyrrolidone in an aqueous solution

PHARMACOLOGICAL ACTION
Oxytetracycline is indicated for treatment of infections caused by a variety of Gram-positive and Gram-negative microorganisms. It inhibits cell growth.

WITHDRAWAL PERIOD
MEAT: PIGS – MAY BE SLAUGHTERED FOR HUMAN CONSUMPTION ONLY AFTER 35 DAYS FROM THE LAST TREATMENT.

DOSAGE AND DIRECTIONS FOR USE
Pigs: (< 10 kg) Maximum 1 mℓ.

PRESENTATION
100 mℓ, 250 mℓ and 500 mℓ.

Slegs vir gebruik deur of onder die beheer van 'n veearts.

INDIKASIES
TETRAMAX® L.A. word aanbeveel vir die behandeling en beheer van siektes in varke veroorsaak deur, of geassosieer met, oksitetrasiklien sensitiewe organismes.

SAMESTELLING
Elke 1 mℓ bevat:
200 mg Oksitetrasiklien as 'n magnesium kompleks met Povidoon en N-Metielpirolidoon in 'n wateroplossing

FARMAKOLOGIESE WERKING
Oksitetrasiklien word aangedui vir die behandeling van verskeie infeksies wat veroorsaak word deur Gram-positiewe en Gram-negatiewe mikroorganismes. Dit inhibeer sellulêre groei.

ONTTREKKINGSPERIODE
VLEIS: VARKE – MAG SLEGS NA 35 DAE VAN LAASTE BEHANDELING VIR MENSLIKE VERBRUIK GESLAG WORD.

DOSIS EN GEBRUIKSAANWYSINGS
Varke: (< 10 kg) Maksimum 1 mℓ.

AANBIEDING
100 mℓ, 250 mℓ en 500 mℓ.

TRIVETRIN® INJECTION / INSPUITING

REG NO G1742 (Act 36/1947)

NAMIBIA REG NO V03/17.1.7/516

For use by or under the control of a veterinarian only.

INDICATIONS

TRIVETRIN® is recommended for the treatment of bacterial infections of the respiratory tract, urinary tract, genital tract and alimentary tract. **TRIVETRIN®** is also highly effective in the treatment of footrot, bacterial agalactia of sows and the treatment of wound infections and septicaemias.

COMPOSITION

Each 1 mℓ contains:
Trimethoprim 40 mg/mℓ, Sulfadoxine 200 mg/mℓ, Diethanolamine 3 mg/mℓ (preservative)

PHARMACOLOGICAL ACTION

Effective against a wide range of Gram-positive and Gram-negative organisms including *Staphylococcus*, *Streptococcus*, *Salmonella*, *E. coli*, *Haemophilus*, *Proteus*, *Pasteurella*, *Klebsiella* and *Enterobacter*.

WITHDRAWAL PERIOD

MEAT AND ORGANS: PIGS – 3 DAYS

DOSAGE AND DIRECTIONS FOR USE

Pigs:
Normal: 1 mℓ/16 kg body mass daily (15 mg/kg)
Severe infection: 1 mℓ/10 kg body mass daily (24 mg/kg).

Intramuscular injection. May be given by slow intravenous injection in cases of acute infection.

PRESENTATION

100 mℓ.

Slegs vir gebruik deur of onder die beheer van 'n veearts.

INDIKASIES

TRIVETRIN® word aanbeveel vir die behandeling van bakteriële besmettings van die lugweë, urienweë, die genitale organe en spysverteringskanaal. **TRIVETRIN®** is ook hoogs doeltreffend vir die behandeling van vrotpootjie, bakteriële agalaktie van sôe en die behandeling van wondbesmettings en septisemiese toestande.

SAMESTELLING

Elke 1 mℓ bevat:
Trimetoprim 40 mg/mℓ, Sulfadoksien 200 mg/mℓ, Diëtanolamien 3mg/mℓ (preserveermiddel)

FARMAKOLOGIESE AKSIE

Effektief teen 'n wye reeks Gram-positiewe en Gram-negatiewe organismes insluitend *Staphylococcus*, *Streptococcus*, *Salmonella*, *E. coli*, *Haemophilus*, *Proteus*, *Pasteurella*, *Klebsiella* en *Enterobacter*.

ONTTREKKINGSPERIODE

VLEIS EN ORGANE: VARKE – 3 DAE

DOSIS EN GEBRUIKSAANWYSINGS

Varke:
Normaal: 1 mℓ/16 kg liggaamsmassa daagliks (15 mg/kg)
Akute besmetting: 1 mℓ/10 kg liggaamsmassa daagliks (24 mg/kg).

Intramuskulêre inspuiting. Mag met stadige binneaarse inspuiting toegedien word in gevalle van akute infeksie.

AANBIEDING

100 mℓ.

NOTES / NOTAS

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02

BIOLOGICAL PRODUCTS / BIOLOGIESE MIDDELS

PORCILIS® PCV

REG NO G3936 (Act 36/1947)

INDICATIONS
PORCILIS® PCV is recommended for the active immunisation of pigs, to reduce the virus load in blood and lymphoid tissues and to reduce the weight loss associated with PCV2 infection occurring during the fattening period.

COMPOSITION
Each 2 mℓ dose contains:
Porcine Circovirus type 2 ORF2 subunit antigen: > 4.5 $\log_2$ ELISA units per.
The vaccine may contain traces of Gentamycin which is used during manufacturing.

DOSAGE AND DIRECTIONS FOR USE
Use only as directed in package insert.

Dosage:
Administer one dose (2 mℓ), by intramuscular injection in the neck in the area behind the ear.

Vaccination program:
The first injection (2 mℓ) can be given from an age of 3 days, second injection (2 mℓ) 2-3 weeks later.

STORAGE
- Store in the dark between 2°C – 8°C.
- Do not freeze.
- Allow the vaccine to reach room temperature (20°C to 25°C) gradually before use.
- Shelf-life after first opening the container: 8 hours.

PRESENTATION
100 mℓ.

INDIKASIES
PORCILIS® PCV word aanbeveel vir die aktiewe immunisering van varke, om die viruslading in bloed en limfweefsel te verminder en vir die vermindering van massaverlies geassosiëer met PCV2 infeksie wat plaasvind tydens die vetmaakperiode.

SAMESTELLING
Elke 2 mℓ dosis bevat:
Vark sirkovirus tipe 2 ORF2 sub-eenheid antigeen: > 4.5 $\log_2$ ELISA eenhede.

Die entstof mag spoorhoeveelhede van Gentamisien bevat, wat tydens die vervaardiging gebruik word.

DOSIS EN GEBRUIKSAANWYSINGS
Gebruik slegs soos aangedui in voubiljet.

Dosis:
Dien 'n enkele dosis van 2 mℓ, met 'n binnespierse inspuiting in die nekarea agter die oor, aan varke van 3 weke en ouer.

Inentingsprogram:
Die eerste inenting (2 mℓ) kan vanaf ouderdom 3 dae gegee word, die tweede inenting (2 mℓ) 2-3 weke later.

BERGING
- Berg in die donker tussen 2°C – 8°C.
- Moet nie vries nie.
- Laat die entstof toe om geleidelik kamertemperatuur (20°C tot 25°C) te bereik voor gebruik.
- Rakleeftyd na eerste oopmaak van houer: 8 ure.

AANBIEDING
100 mℓ.

PORCILIS® PORCOLI DF

REG NO G3164 (Act 36/1947)

NAMIBIA REG NO V05/24.5/458

INDICATIONS
PORCILIS® PORCOLI DF, an inactivated vaccine, is recommended for recommended for the passive immunisation of piglets by active immunisation of sows or gilts to reduce mortality and clinical signs, such as diarrhoea, due to neonatal enterotoxicosis during the first days of life, caused by those *E. coli* strains, which express the fimbrial adhesins F4ab (K88ab), F4ac (K88ac), F5 (K99) or F6 (987P).

COMPOSITION
Each 2 mℓ dose contains:
F4ab (K88ab) fimbrial adhesin, the F4ac (K88ac) fimbrial adhesin, the F5 (K99) fimbrial adhesin, the F6 (987P) fimbrial adhesin and LT toxoid, which induce a mean antibody titre of respectively ≥ 9.0 $\log_2$ Ab titre, ≥ 5.4 $\log_2$ Ab titre, ≥ 6.8 $\log_2$ Ab titre, ≥ 7.1 $\log_2$ Ab titre and ≥ 6.8 $\log_2$ Ab titre after vaccination of mice 1/20 dose. The antigens are adjuvated with 150 mg dl-alpha-tocopheryl acetate per dose.

DOSAGE AND DIRECTIONS FOR USE
Use only as directed in package insert.

Dosage:
Intramuscular injection in sows and gilts of 2 mℓ of the vaccine per animal in the neck and in the area behind the ear.

Vaccination program:
Basic vaccination: Sows or gilts which have not yet been vaccinated with the product shall be given an injection preferably 6 to 8 weeks before the expected date of farrowing and a booster injection 4 weeks later.
Revaccination: A single revaccination shall be carried out during the second half of next pregnancies, preferably 2 to 4 weeks before the expected date of farrowing.

STORAGE
- Store in the dark between 2 °C – 8 °C.
- Do not freeze.
- Allow the vaccine to reach room temperature (20°C to 25°C) gradually before use.
- Shelf-life after first opening the container: 3 hours.

PRESENTATION
50 mℓ.

INDIKASIES
PORCILIS® PORCOLI DF, 'n geinaktiveerde entstof, word aanbeveel vir die passiewe immunisering van varkies deur middel van aktiewe immunisering van jong sôe om sodoende vrektes en kliniese tekens te verminder, soos diarree, as gevolg van neonatale enterotoksemie gedurende die eerste lewensdae, wat veroorsaak word deur stamme van *E. coli*, wat die fimbriale vergroeiings F4ab (K88ab), F4ac (K88ac), F5 (K99) of F6 (987P) aandui.

SAMESTELLING
Elke 2 mℓ dosis bevat:
F4ab (K88ab) fimbriale vergroeiing, die F4ac (K88ac) fimbriale vergroeiing, die F5 (K99) fimbriale vergroeiing, die F6 (987P) fimbriale vergroeiing en LT toksoïed, wat aanleiding gee tot 'n gemiddelde teenliggaam titer van onderskeidelik ≥ 9.0 $\log_2$ Ab titer, ≥ 5.4 $\log_2$ Ab titer, ≥ 6.8 $\log_2$ Ab titer, ≥ 7.1 $\log_2$ Ab titer en ≥ 6.8 $\log_2$ Ab titer na die inenting van muise teen 'n 1/20 dosering. Elke dosering bevat ook 150mg dl-alfa-tokoferielasetaat as hulpmiddel vir die antigene.

DOSIS EN GEBRUIKSAANWYSINGS
Gebruik alleenlik soos aangedui in voubiljet.

Dosis:
2 mℓ entstof binnespiers in die nek, in die area agter die oor vir albei soê en jong soê.

Inentingsprogram:
Basiese inenting: Jong sôe wat nog nie voorheen met die produk ingeënt is nie, behoort 'n inspuiting 6 tot 8 weke voor die verwagte werpsel te kry en 'n skraagdosis 4 weke later.
Herinenting: 'n Enkel herinenting behoort gedoen te word gedurende die tweede helfte van die volgende swangerskap, verkieslik 2 tot 4 weke voor die verwagte werpsel.

BERGING
- Berg in die donker tussen 2 °C – 8 °C.
- Moet nie vries nie.
- Laat die entstof toe om geleidelik kamertemperatuur (20°C tot 25°C) te bereik voor gebruik.
- Rakleeftyd na eerste oopmaak van houer: 3 ure.

AANBIEDING
50 mℓ.

SCOURMUNE® C

REG NO G2648 (Act 36/1947)

NAMIBIA REG NO V07/24.5/748

INDICATIONS

SCOURMUNE® C is recommended for use in healthy pregnant gilts and sows to aid in the prevention of neonatal pig diarrhoea caused by *Escherichia coli* expressing pili types K88, K99, 987P and Type 1 and enterotoxaemia caused by *Clostridium perfringens* Type C.

COMPOSITION

Each 2 mℓ dose contains:
Clostridium perfringens Type C toxoid – *Escherichia coli* bacterin.

DOSAGE AND DIRECTIONS FOR USE

Use only as directed in package insert.

Vaccination program:
First dose: 2 mℓ subcutaneously 6 – 7 weeks prior to farrowing.
Second dose: 2 mℓ subcutaneously 3 – 4 weeks following first dose.
Subsequent farrowings: A single 2 mℓ dose should be administered 2 – 3 weeks prior to each subsequent farrowing.

STORAGE

- Store in the dark between 2 °C – 8 °C.
- Do not freeze.
- Allow the vaccine to reach room temperature (20°C to 25°C) gradually before use.
- "Use entire contents when first opened"

PRESENTATION

50 mℓ.

INDIKASIES

SCOURMUNE® C word aanbeveel vir gebruik in gesonde dragtige jong sôe om te help met die voorkoming van neonatale varkdiarree veroorsaak deur *Escherichia coli* wat pili tipes K88, K99, 987P en Tipe 1 uitdruk en enterotoksemie veroorsaak deur *Clostridium perfringens* Tipe C.

SAMESTELLING

Elke 2 mℓ dosis bevat:
Clostridium perfringens Tipe C toksoïed – *Escherichia coli* bakterien.

DOSIS EN GEBRUIKSAANWYSINGS

Gebruik slegs soos aangedui in voubiljet.

Inentingsprogram:
Eerste dosis: 2 mℓ onderhuids 6 – 7 weke voor diere jong.
Tweede dosis: 2 mℓ onderhuids 3 – 4 weke na die eerste dosis.
Volgende jongings: 'n Enkele 2 mℓ dosis moet toegedien word 2 – 3 weke voor elke volgende jonging.

BERGING

- Berg in die donker tussen 2 °C – 8 °C.
- Moet nie vries nie.
- Laat die entstof toe om geleidelik kamertemperatuur (20°C tot 25°C) te bereik voor gebruik.
- Gebruik hele inhoud nadat die houer oopgemaak is.

AANBIEDING

50 mℓ.

M+PAC®

REG NO G2771 (Act 36/1947)

NAMIBIA REG NO V07/24.5/743

INDICATIONS

M+PAC® is recommended for use as an aid in the prevention of pneumonia caused by *Mycoplasma hyopneumoniae* infection in swine.

COMPOSITION

Each 1 mℓ dose contains:
Chemically inactivated cultures of *Mycoplasma hyopneumoniae*.

DOSAGE AND DIRECTIONS FOR USE

Use only as directed in package insert.

Vaccination program:
2 Dose program
Inject 1 mℓ subcutaneously or intramuscularly at 7 to 10 days of age or older. Revaccinate with 1 mℓ two weeks after initial vaccination.

1 Dose program
Vaccinate pigs at 3 weeks of age or older with a single 2 mℓ dose.

STORAGE

- Store in the dark between 2 °C – 8 °C.
- Do not freeze.
- Allow the vaccine to reach room temperature (20°C to 25°C) gradually before use.
- Use entire contents when first opened.

PRESENTATION

50 mℓ and 100 mℓ.

INDIKASIES

M+PAC® word aanbeveel vir die voorkoming van longontsteking veroorsaak deur *Mycoplasma hyopneumoniae* infeksie in varke.

SAMESTELLING

Elke 1 mℓ dosis bevat:
Chemiese geïnaktiveerde kulture van *Mycoplasma hyopneumoniae*.

DOSIS EN GEBRUIKSAANWYSINGS

Gebruik slegs soos aangedui in voubiljet.

Inentingsprogram:
2 Dosis program
Ent 1 mℓ onderhuids of binnespiers in teen ouderdom 7 tot 10 dae of ouer. Herhaal inenting met 1 mℓ twee weke na eerste enting.

1 Dosis program
Ent varke teen ouderdom 3 weke of ouer met 'n enkele 2 mℓ dosis.

BERGING

- Berg in die donker tussen 2 °C – 8 °C.
- Moet nie vries nie.
- Laat die entstof toe om geleidelik kamertemperatuur (20°C tot 25°C) te bereik voor gebruik.
- Gebruik hele inhoud nadat die houer oopgemaak is.

AANBIEDING

50 mℓ en 100 mℓ.

PORCILIS® APP

REG NO G2295 (Act 36/1947)

INDICATIONS
PORCILIS® APP is recommended for the active immunisation of weaner pigs as an aid in the control of pleuropneumonia caused by *Actinobacillus pleuropneumoniae*.

COMPOSITION
Each 2 mℓ dose contains:
Vaccine based on an outer membrane protein (OMP) (50 units) and three toxoids (detoxified APX I (50 units), APX II (50 units) and APX III (50 units)) produced by *Actinobacillus pleuropneumoniae* strains.

DOSAGE AND DIRECTIONS FOR USE
Use only as directed in package insert.

Dosage:
The vaccine has to be administered deep intramuscularly behind the ear at a dose of 2 mℓ.

Vaccination program:
Maximum protection should be achieved before the start of the fattening period. Pigs can be vaccinated from the age of 6 weeks. Two vaccinations at a minimum interval of 4 weeks are required. It is advisable to vaccinate pigs at 6 and 10 weeks of age.

STORAGE
- Store in the dark between 2°C and 8°C.
- Do not freeze.
- Allow the vaccine to reach room temperature (20°C to 25°C) gradually before use.
- Shelf-life after first opening of container: 10 hours.

PRESENTATION
100 mℓ.

INDIKASIES
PORCILIS® APP word aanbeveel vir die aktiewe immunisasie van speenvarkies as 'n hulpmiddel vir die beheer van pleuropneumonie wat deur *Actinobacillus pleuropneumoniae* veroorsaak word.

SAMESTELLING
Elke 2 mℓ dosis bevat:
Enstof op 'n buite membraan proteïen (BMP) (50 eenhede) en drie toksoïede (gedetoksifeerde APX I (50 eenhede), APX II (50 eenhede) en APX III (50 eenhede)) gebaseer, wat deur *Actinobacillus pleuropneumoniae* stamme geproduseer word.

DOSIS EN GEBRUIKSAANWYSINGS
Gebruik slegs soos aangedui in voubiljet.

Dosis:
Die entstof moet diep binnespiers agter die oor teen 'n dosis van 2 mℓ toegedien word.

Inentingsprogram:
Maksimum beskerming behoort voor die vetmaak periode bereik te word. Varke kan vanaf ses weke ouderdom geënt word. Twee inentings, met 'n minimum van vier weke tussenposes, word vereis. Dit word aanbeveel dat varke op 6 tot 10 weke van ouderdom ingeënt word.

BERGING
- Berg in die donker tussen 2°C – 8°C.
- Moet nie vries nie.
- Laat die entstof toe om geleidelik kamertemperatuur (20°C tot 25°C) te bereik voor gebruik.
- Rakleeftyd na eerste oopmaak van houer: 10 ure.

AANBIEDING
100 mℓ.

PORCILIS® AR-T

REG NO G2514 (Act 36/1947)
NAMIBIA REG NO V05/24.5/457

INDICATIONS
PORCILIS® AR-T, an inactivated vaccine, is recommended for the vaccination of sows and gilts for the prevention of clinical signs of progressive Atrophic Rhinitis (AR) in piglets by passive oral immunisation with colostrum from dams hyperimmunised with the vaccine.

COMPOSITION
Each 2 mℓ dose contains:
1,80 µg of detoxified *Pasteurella multocida* dermonecrotic toxin and a suspension of 1010 bacteria of a *Bordetella bronchiseptica* strain.

DOSAGE AND DIRECTIONS FOR USE
Use only as directed in package insert.

Dosage:
2 mℓ intramuscular injection behind the ear.

Vaccination program:
Unvaccinated breeding stock should be given a primary, followed by a secondary vaccination (6 weeks apart). Interval between vaccinations should be 6 weeks. Pregnant sows should be re-vaccinated 2 to 3 weeks before subsequent farrowings.

STORAGE
- Store in the dark between 2 °C – 8 °C.
- Do not freeze.
- Allow the vaccine to reach room temperature (20 °C to 25 °C) gradually before use.
- Shelf-life after first opening of container: 3 hours

PRESENTATION
50 mℓ.

INDIKASIES
PORCILIS® AR-T, 'n geinaktiveerde enstof, word aanbeveel vir die inenting van sôe en jong sôe, om beskerming aan hulle nageslag te bied, deur die oordraging van maternale teenliggaampies, via die biesmelk, teen Atrofiese Rinitis (AR) te verleen en is daarom 'n hulpmiddel vir die beskerming van varkies teen die kliniese tekens van die siekte.

SAMESTELLING
Elke 2 mℓ dosis bevat:
1,80 µg van gedetoksifiseerde *Pasteurella multocida dermonekrotiese* toksien en 'n suspensie van 1010 bakterieë van 'n *Bordetella bronchiseptica* stam

DOSIS EN GEBRUIKSAANWYSINGS
Gebruik slegs soos aangedui in voubiljet.

Dosis:
2 mℓ per diep intramuskulêre inspuiting agter die oor.

Inentingsprogram:
Teel diere, wat nog nie voorheen ingeënt is nie, moet 'n primêre inenting, gevolg deur 'n sekondêre inenting (6 weke tussenpose) kry. Dragtige sôe behoort 2 tot 3 weke voor die geboorte van die volgende varkies weer ingeënt te word.

BERGING
- Berg in die donker tussen 2 °C – 8 °C.
- Moet nie vries nie.
- Laat die entstof toe om geleidelik kamertemperatuur (20 °C tot 25 °C) te bereik voor gebruik.
- Rakleeftyd na eerste oopmaak van houer: 3 ure.

AANBIEDING
50 mℓ.

03

ECTOPARASITICIDES / EKTOPARASITIESE MIDDELS

IVOTAN®

REG NO G2858 (Act 36/1947)
NAMIBIA REG V01/18.1.2/731

INDICATIONS
IVOTAN® is recommended as an antiparasitic remedy for pigs.

COMPOSITION
Each 1 mℓ contains:
Ivermectin 1 % m/v

PHARMACOLOGICAL ACTION
Ivermectin binds with glutamate-gated chloride channels resulting in paralysis and death of the parasite either directly of by causing the worms to starve.

WARNINGS
Do not administer intravenously or intramuscularly.

WITHDRAWAL PERIOD
MEAT AND ORGANS: PIGS – 28 DAYS

DOSAGE AND DIRECTIONS FOR USE
Pigs: 1 mℓ per 33 kg body mass (subcutaneously).

PRESENTATION
500 mℓ.

INDIKASIES
IVOTAN® word aanbeveel as 'n antiparasitiese middel vir varke.

SAMESTELLING
Elke 1mℓ bevat:
Ivermektien 1 % m/v

FARMAKOLOGIESE WERKING
Ivermektien bind met glutamaat-omheinde chloor kanale gevolg in paraliese en of direkte dood van die parasiet of hongersnood wat lei tot die dood van die parasiet.

WAARSKUWINGS
Moet nie binnespiers of binneaars inspuit nie.

ONTTREKKINGSPERIODE
VLEIS EN ORGANE: VARKE – 28 DAE

DOSIS EN GEBRUIKSAANWYSINGS
Varke: 1 mℓ per 33 kg liggaamsmassa (onderhuids).

AANBIEDING
500 mℓ.

ZIPDIP®

REG NO G381 (Act 36/1947)
NAMIBIA REG NO V00/18.3.2/493

INDICATIONS
ZIPDIP® is recommended as a spray for pigs that kills pig mange mites. Can be used for pigs of all ages.

COMPOSITION
Each 1mℓ contains:
40 % m/m Triazophos

PHARMACOLOGICAL ACTION
Triazophos inhibits the acetylcholinesterase enzyme in the central and nervous system of the parasite.

WARNINGS
This is an organophosphorous product and must not be used in conjunction with other organophosphorous compounds or cholinesterase inhibitors.

Poisonous by contact, swallowing and inhalation.

WITHDRAWAL PERIOD
MEAT AND ORGANS: PIGS – 7 DAYS

DOSAGE AND DIRECTIONS FOR USE
Pig mange: Use 1 ℓ **ZIPDIP®** per 1 000 ℓ water (or 1 mℓ per 1 ℓ water). With an effective spray, thoroughly wet the animals and spray the ear on the inside as well.
Repeat after approximately 8 days for best results.
Use a fresh solution each time.
Do not dip pigs.

PRESENTATION
1 ℓ.

INDIKASIES
ZIPDIP® word aanbeveel as 'n spuitstof vir varke wat varkskurftemyte dood. Kan by varke van alle ouderdomme gebruik word.

SAMESTELLING
Elke 1mℓ bevat:
40 % m/m Triasofos

FARMAKOLOGIESE WERKING
Triasofos inhibeer die asetielcholienesterase ensiem in die sentrale-senuwee sisteem van parasiete.

WAARSKUWINGS
Dit is 'n organofosforproduk en moet nie saam met enige ander organofosfaat of cholienesterase inhibeerder gebruik word nie.

Hanteer versigtig. Giftig deur aanraking, inname per mond en inaseming.

ONTTREKKINGSPERIODE
VLEIS EN ORGANE: VARKE – 7 DAE

DOSIS EN GEBRUIKSAANWYSINGS
Varkskurfte: Gebruik 1 ℓ **ZIPDIP®** per 1 000 ℓ water (of 1 m ℓ per 1 ℓ water). Benat die diere deeglik met 'n effektiewe spuit en spuit die ore ook aan die binnekant.
Vir die beste resultate herhaal ongeveer na 8 dae.
Maak altyd gebruik van 'n vars verdunning.
Moet nie varke dip nie.

AANBIEDING
1 ℓ.

NOTES / NOTAS

NOTES / NOTAS

NOTES / NOTAS

NOTES / NOTAS

04

ENDOPARASITICIDES / ENDOPARASITIESE MIDDELS

PANACUR® 4%

REG NO G169 (Act 36/1947)
NAMIBIA REG NO V05/18.1.1/452

INDICATIONS
PANACUR® 4% is recommended as a remedy for roundworm (*Ascaris suum*) in pigs.

COMPOSITION
Each dose contains:
4,0 % m/m, Fenbendazole (Benzimadazole)

PHARMACOLOGICAL ACTION
Fenbendazole binds to structural proteins within the parasite that reduce the uptake of glucose, resulting in glucose reserves being emptied. This in turn causes paralysis after which the parasite dies.

WITHDRAWAL PERIOD
MEAT AND ORGANS: PIGS – 7 DAYS

DOSAGE AND DIRECTIONS FOR USE
Pigs: 1,25 g **PANACUR® 4%** powder per 10 kg body mass (5 mg active ingredient per body mass).

PRESENTATION
1 kg.

INDIKASIES
PANACUR® 4% word aanbeveel vir die behandeling van rondewurm (*Ascaris suum*) in varke.

SAMESTELLING
Elke dosis bevat:
4,0 % m/m, Fenbendazole (Benzimadazole)

FARMAKOLOGIESE WERKING
Fenbendazole bind met strukturele proteïene wat die opname van glukose verminder en lei tot die uitputting van glukose reserwes. Dit veroorsaak paraliese van die parasitiet en daarna dood.

ONTTREKKINGSPERIODE
VLEIS EN ORGANE: VARKE – 7 DAE

DOSIS EN GEBRUIKSAANWYSINGS
Varke: 1,25 g **PANACUR® 4%** poeier per 10 kg liggaamsmassa (5 mg aktiewe bestandeel per kg liggaamsmassa).

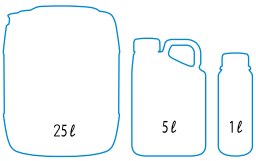
AANBIEDING
1 kg.

NOTES / NOTAS

05

DISINFECTANTS / ONTSMETTINGSMIDDELS

OMNICLEAN™



INDICATIONS
OMNICLEAN™ is indicated for cleaning of animal housing, equipment, and utensils in the animal health and food processing industries, before terminal disinfection takes place.

COMPOSITION
- Quaternary Ammonium Compound (QAC)
- Non-ionic detergent

DILUTION
- Diluted at 1:160 or up to 1:320 dependant on the mount of surface debris.
- Can be applied manually or through pressure washers.

PRESENTATION
1 ℓ, 5 ℓ, 25 ℓ.

INDIKASIES
OMNICLEAN™ word aanbeveel vir die gebruik van skoonmaak van diere-behuising, toerusting en gereedskap, in die dieregesondheid en voedselvervaardigings industrieë, voor terminale ontsmetting plaasvind.

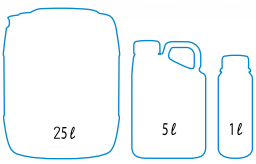
SAMESTELLING
- Kwaternêre ammonium verbindings (KAV)
- Nie-ioniese seep

VERDUNNING
- Verdun teen 1:160 of tot 1:320, bepaal deur die hoeveelheid oppervlak puin.
- Kan aangewend word per hand of deur hoë-druk toerusting.

AANBIEDING
1 ℓ, 5 ℓ, 25 ℓ.

OMNICIDE™

Act 5 GNR 529/248580/110/0434



INDICATIONS
OMNICIDE™ is indicated for use in swine housing and the surrounding environment as a terminal disinfectant. It is effective against a wide range of bacteria, fungi and viruses including: Classical Swine Fever, Foot and Mouth disease, Swine Vesicular Disease, Ringworm, *Mycoplasma, E.Coli, Staphylococcus* and *Salmonella* species.

COMPOSITION
- Quaternary ammonium compounds (QAC)
- Glutaraldehyde

DILUTION
- For floors and walls dilute 1:150, apply at 300mℓ per m^2 and allow to dry.
- For vehicles dilute 1:100 and spray or wash surfaces especially, wheels and wheel arches.
- For site bath ponds and foot dips dilute 1:100 and change when solution becomes heavily soiled.

PRESENTATION
1 ℓ, 5 ℓ and 25 ℓ.

INDIKASIES
OMNICIDE™ word aanbeveel vir gebruik as 'n terminale ontsmettingsmiddel in vark behuising en die omliggende omgewing. Dit is effektief teen 'n wye reeks van bakterieë, fungi en virusse: Klassieke Vark Koors, Bek en Klou, Vark Vesikulêre Siekte, Omlope, *Mycoplasma, E.Coli, Staphylococcus* en *Salmonella* spesies.

SAMESTELLING
- Kwaternêre ammonium verbindings (KAV)
- Glutaraldehied

VERDUNNING
- Vir vloere en mure verdun 1:150, wend aan teen 300 mℓ per m^2 en wag om droog te word.
- Vir motorvoertuie, verdun 1:100 and sproei of was die oppervlak, veral die wiele.
- Vir voet dippe verdun 1:100 en vervang die oplossing wanneer vuil.

AANBIEDING
1 ℓ, 5 ℓ en 25 ℓ.

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