

FOR ANIMAL USE ONLY

# IVERMAX<sup>®</sup> + AD<sub>3</sub>E

## 1% Injectable Solution + Vitamins A, D<sub>3</sub>, E

Reg. No. G3723 Act 36/1947  
[NSO] V07/18.1.8/448 Act 13/2003

### CAUTION

### COMPOSITION

Ivermectin	1 %	m/v
Vitamin A palmitate	50 000	IU
Vitamin E acetate	10	IU
Vitamin D <sub>3</sub>	400	IU
Excipients to	1	ml

### INDICATIONS

ANTIPARASITIC REMEDY FOR CATTLE AND SHEEP WITH VITAMINS TO PREVENT AND TREAT VITAMIN DEFICIENCIES.

### STORAGE INSTRUCTIONS

Store below 25 °C away from sunlight.

### WARNINGS

- Do not slaughter cattle or sheep for human consumption within 42 days of last treatment.
- Do not use in lactating cattle where milk or milk products are used for human consumption.
- Do not use in dairy cattle within 28 days of calving.
- Do not use intramuscularly or intravenously.
- 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.

### PRECAUTIONS

- Do not eat, drink or smoke while handling the product.
- Store bottle in carton to protect from light.
- Wash hands thoroughly after use.
- Appropriate vaccination precautions should be taken in areas where the risk of Clostridial infections of cattle and sheep are present. Consult your veterinarian.

### INDICATIONS

#### EFFICACY FOR CATTLE

**Internal parasites of cattle:** for the treatment of gastro-intestinal roundworms, *Parafilaria bovicola* (false bruising) and eye worm (*Thelazia*).

**IVERMAX+ AD<sub>3</sub>E** is effective against the following internal parasites of cattle when given subcutaneously at the recommended dose of 200 µg / kg body mass (1 ml / 50 kg).

CATTLE ROUNDWORMS	IMMATURE	ADULT	*CONTROLS AGAINST RE-INFESTATION FOR
Wireworm	*	*	14 days
Brown stomachworm	*	*	21 days
Cattle bankruptworm	*	*	14 days
Hookworm	*	*	-
Nodular worm	*	*	21 days
Lungworm	*	*	21 days
<i>Thelazia</i> (Eyeworm)	*		
<i>Parafilaria bovicola</i> (False bruising)	** (An interval of 70 days must elapse after treatment to allow lesions to heal)		

- \* Control = ≥ 90% effective.
- \*\* Aid in Control = 60 – 89% effective.

#### External parasites of cattle:

- Kills sucking and biting lice and mange mites.
- Controls sand tamps infesting cattle for up to 3 days after treatment.
- Kills cattle screwworms present at time of injection. Protects against screwworm strikes for 2 weeks after administration.
- Controls blue ticks (*Boophilus spp*) on cattle for 5 weeks.

#### EFFICACY FOR SHEEP

ROUNDWORM SPECIES	IMMATURE	ADULT
Wireworm	*	*
Brown stomachworm	*	*
Bankruptworm	*	*
Long-necked bankruptworm	**	-
Hookworm	*	*
Nodular worm	*	*
Large-mouthed bowelworm	*	*
Lungworm	*	*

- \* Control = ≥ 90% effective
- \*\* Aid in Control = 60 – 89% effective

#### External parasites

- Kills sheep scab mites.
- Controls Australian itch mites.
- \* Nasal worm all stages (1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> instar larvae)
- \* (Control = ≥ 90% effective)

### DIRECTIONS FOR USE – USE ONLY AS DIRECTED

#### DOSAGE – CATTLE:

**IVERMAX+ AD<sub>3</sub>E** for cattle should be given only by subcutaneous injection at the approved dosage level of 200 µg ivermectin per kilogram of body mass. Each ml contains 10 mg of ivermectin, sufficient to treat 50 kg of body mass.

Body mass (kg)	Dose volume (ml)	Body mass (kg)	Dose volume (ml)
Up to 50	1	301 - 350	7
51 - 100	2	351 - 400	8
101 - 150	3	401 - 450	9
151 - 200	4	451 - 500	10
201 - 250	5	501 - 550	11
251 - 300	6	551 - 600	12

**Administration: IVERMAX+ AD<sub>3</sub>E** is to be given by subcutaneous injection only. Do not administer intramuscularly or intravenously. In cattle inject under the loose skin in front of or behind the shoulder. Use of a 16-gauge 2,0 cm needle is suggested. Use sterile equipment and follow aseptic procedures.

#### DOSAGE – SHEEP:

**IVERMAX+ AD<sub>3</sub>E** should only be given at the following recommended dosage levels:

Body mass (kg)	Dose volume (ml)
0 - 25	0,5
26 - 50	1,0
51 - 75	1,5
76 - 100	2,0

**Administration: IVERMAX+ AD<sub>3</sub>E** is to be given by subcutaneous injection only. Do not administer intramuscularly or intravenously. The solution may be administered with any standard automatic or single-dose equipment. Use aseptic technique. The loose skin behind the shoulder, the skin under the foreleg (axilla) and the inside of the thigh are suitable sites for administration. Ensure that the needle is carefully inserted and that the solution does not leak from the injection site. In woolly sheep, ensure that the needle has penetrated the wool and skin before delivering the dose.

#### Sheep scab

For treatment of sheep scab outbreaks a single dose of 1 ml / 50 kg (200 µg / kg) can be given. This should be done under Government supervision.

**NOTE:** When treating an outbreak of sheep scab it is essential that:

- All sheep on the farm must be accurately treated with the correct dose and marked after treatment.
- All animals must be checked 7 - 10 days after treatment and any animals not marked must be treated.
- Care must be taken that the full dose is administered to each sheep.
- Under certain circumstances two treatments 7 days apart may be required to eliminate all scab mites.

An autumn treatment will kill third stages of nasal worm and a spring treatment will offset new infestations of this parasite.

A treatment in late autumn will remove residual summer roundworm burdens as well as first infestations of those roundworm species stimulated by cooler weather conditions. The spring "off-shears" treatment will remove roundworm burdens which have built up during the winter and early spring infestations stimulated by the first rains. This will contribute to reducing the contamination of "clean" summer grazing.

#### Instructions for use with automatic dosing equipment:

- Disinfect all needles and syringes before using by boiling in clean water for 15 to 20 minutes.
- Boiled needles should be stored in an antiseptic solution before use and changed frequently when injecting animals.
- Remove the draw-off assembly from the sterile pack. Handle carefully to avoid contamination.
- Connect the plastic tube firmly to dosing syringe. Use stepped adaptor provided if needed.
- Remove cap from bottle and disinfect rubber stopper with methylated spirits or other suitable chemical disinfectant. Hold bottle upright and fully insert draw-off needle into centre of rubber stopper.
- Hang bottle comfortably in inverted position from neck, shoulder or belt.
- Use attachment tapes provided.
- Gently prime injector. Equipment is now ready for use.
- After use, remove draw-off assembly from pack and flush out entire apparatus with water before storing.
- If connecting tube is re-used, it should be boiled for 15 to 20 minutes before use along with the injecting syringe and needles.
- Store partly used bottle in carton to protect from light.
- Do not re-use empty bottles.

#### ENVIRONMENTAL SAFETY:

Studies indicate that when ivermectin comes in contact with the soil, it readily and tightly binds to the soil and becomes inactive over time.

Drug containers and any residual contents should be disposed of safely (e.g. by burying or incinerating), as free ivermectin may adversely affect fish and certain water-borne organisms.

† Macrocytic lactone



Registration Holder: Kyrón Animal Health (Pty) Ltd., Reg. No. 2004/021847/07, Unit 45C, 45 Parkview Street, Highway Business Park, Rooihuiskraal Ext. 31, Centurion, 0157, South Africa. Tel: 0861 247 463.

Botswana Listing no.: BV2100242/A/B/C  
Category of Distribution: VPS

# IVERMAX<sup>®</sup> + AD<sub>3</sub>E

## 1% Inspuitbare Oplossing + Vitamiene A, D<sub>3</sub>, E

Reg. Nr. G3723 Wet 36/1947  
[NSO] V07/18.1.8/448 Wet 13/2003

### VERSIGTIG

#### SAMESTELLING

Ivermektien	1 %	m/v
Vitamin D <sub>3</sub>	400	IE
Vitamiene A palmitaat	50 000	IE
Vitamiene E asetaat	10	IE
Draerstowwe tot	1	ml

#### AANDUIDINGS

ANTIPARASITIESE MIDDEL VIR BEESTE EN SKAPE MET VITAMIENE OM TEKORTE TEVOORKOM EN BEHANDEL.

#### BERGINGSANWYSINGS

Bewaar onder 25 °C weg van sonlig.

#### WAARSKUWINGS

- Moenie beeste of skape vir menslike verbruik slag binne 42 dae vanaf laaste behandeling.
- Moenie in melkbeeste waarvan die melk vir menslike gebruik aangewend word, gebruik nie.
- Moenie in melkbeeste binne 28 dae van kalwing gebruik nie.
- Moet nie binnespiers of binnears gebruik nie.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Alhoewel hierdie produk breedvoerig onder 'n wye verskeidenheid van toestande getoets is, mag dit faal as gevolg van verskeie redes. Indien dit vermoed word, raadpleeg 'n veearts en verwittig die registrasiehouer.

#### VOORSORGMATREËLS

- Moenie eet, drink of rook terwyl die produk hanteer word nie.
- Berg bottel in kartonhouer om te beskerm teen sonlig.
- Was hande deeglik na gebruik.
- Goedgekeurde inentingsvoorsorgmaatreëls moet geneem word in areas waar die risiko van Klostridiale infeksies by beeste en skape teenwoordig is.

#### INDIKASIES

##### EFFEKTIEWEIT IN BEESTE

**Inwendige parasiete by beeste:** vir die behandeling van gastro-intestinale rondewurms, *Parafilaria bovicola* (valskeusing) en oogwurm (*Thelazia*).

**IVERMAX+AD<sub>3</sub>E** is effektief teen die volgende inwendige parasiete in beeste wanneer onderhuids toegedien word teen die aanbevole dosis van 200 µg / kg liggaamsmassa (1 ml / 50 kg).

BEESTE RONDEWURMS	ONVOLWASSE	VOLWASSE	*BEHEER TEEN HERBESMETTING VIR
Haarwurm	*	*	14 dae
Bruinmaagwurm	*	*	21 dae
Beesbankrotwurm	*	*	14 dae
Haakwurm	*	*	-
Knoppieswurm	*	*	21 dae
Longwurm	*	*	21 dae
<i>Thelazia</i> (Oogwurm)	*		
<i>Parafilaria bovicola</i> (Valskeusing)	** (*n Tussenpose van 70 dae moet verloop na behandeling, om toe te laat dat letsels gesond word)		

\* Beheer = ≥ 90% effektief.

\*\* Hulp in die beheer = 60 – 89% effektief.

##### Uitwendige parasiete in beeste:

- Dood suigende en bytende luise en brandsiekte myte.
- Beheer sandtampbesmetting by beeste vir tot 3 dae na behandeling.
- Dood spykerwurm wat teenwoordig is wanneer ingespuet word. Beskerm teen spykerwurmbesmetting vir twee weke na toediening.
- Beheer blou bosluise (*Boophilus spp*) op beeste vir 5 weke.

##### EFFEKTIEWEIT IN SKAPE

RONDEWURM SPESIES	ONVOLWASSE	VOLWASSE
Haarwurm	*	*
Bruinmaagwurm	*	*
Bankrotwurm	*	*
Langnekbankrotwurm	**	-
Haakwurm	*	*
Knoppieswurm	*	*
Grootbekwurm	*	*
Longwurm	*	*

\* Beheer = ≥ 90% effektief.

\*\* Hulp in die beheer = 60 – 89% effektief.

##### Uitwendige parasiete

- Dood skaap brandsiekte myte.
- Beheer Australiese jeukmyte.
- \* Neuswurm alle stadia (1<sup>ste</sup>, 2<sup>de</sup> en 3<sup>de</sup> stadium larwes).
- Beheer = ≥ 90% effektief

#### GEbruIKSAANWYSINGS – GEbruIK SLEGS SOOS AANGEDUI

##### DOSIS – BEESTE:

**IVERMAX+AD<sub>3</sub>E** moet slegs onderhuids teen die aanbevole dosisvlak van 200 µg ivermektien per kilogram liggaamsmassa toegedien word. Elke ml bevat 10 mg ivermektien wat genoegsaam is om 50 kg liggaamsmassa te behandel.

Liggaams-massa (kg)	Dosis volume (ml)	Liggaams-massa (kg)	Dosis volume (ml)
Tot 50	1	301 - 350	7
51 - 100	2	351 - 400	8
101 - 150	3	401 - 450	9
151 - 200	4	451 - 500	10
201 - 250	5	501 - 550	11
251 - 300	6	551 - 600	12

**Toediening: IVERMAX+AD<sub>3</sub>E** moet slegs d.m.v. onderhuidse inspuiting toegedien word. Moet nie binnespiers of binnears toedien nie. By beeste spuit onder die los vel voor of agter die skouer. Die gebruik van 'n 16-maat 2,0 cm naald word aanbeveel. Gebruik gesteriliseerde gereedskap en volg aseptiese prosedures.

##### DOSIS - SKAPE:

**IVERMAX+AD<sub>3</sub>E** moet slegs toegedien word teen die volgende aanbevole dosisvlakke:

Liggaamsmassa (kg)	Dosis volume (ml)
0 - 25	0,5
26 - 50	1,0
51 - 75	1,5
76 - 100	2,0

**Toediening: IVERMAX+AD<sub>3</sub>E** moet slegs d.m.v. onderhuidse inspuiting toegedien word. Moet nie binnespiers of binnears toegedien word nie. Die oplossing kan d.m.v. enige standaard outomatiese of enkel-dosis apparaat toegedien word. Gebruik steriele tegnieke. Die los vel agter die skouer, die vel onder die voorbeen (oksel) en die binnekant van die dy is geskikte plekke vir toediening. Verseker dat die naald versigtig ingestek word en dat die oplossing nie vanuit die inspuitlek lek nie. In wollerige skape, verseker dat die naald deur die wol en die vel penetreer alvorens die dosis toegedien word.

##### Skaapbrandsiekte

Vir die behandeling van die uitbraak van brandsiekte by skape kan 'n enkele dosis van 1 ml / 50 kg (200 µg / kg) toegedien word. Dit moet onder toesig van die Staat gedoen word.

**LET WEL:** Wanneer 'n uitbraak van brandsiekte by skape behandel word, is dit noodsaaklik dat:

- Al die skape op die plaas akkuraat met die korrekte dosis behandel word en na behandeling gemerk word.
- Al die diere moet 7 - 10 dae na behandeling ondersoek word en enige skape wat nie gemerk is nie moet behandel word.
- Sorg moet gedra word dat die volle dosis aan elke skaap toegedien word.
- Onder sekere omstandighede mag twee behandelings, 7 dae uitmekaar, nodig wees om alle brandsiekte te elimineer.

'n Herfsbehandeling sal derde stadium neuswurm dood en 'n lentebehandeling sal nuwe infestaties van hierdie parasiet teëwerk.

'n Behandeling in die laat-herfs sal oorblyfsels van rondewurms verwyder asook die eerste infestaties van die rondewurm spesies wat gestimuleer word deur koeler weersomstandighede. Die lente "na-skeer" behandeling sal rondewurm besmettings wat opgebou het gedurende die winter en vroeë lente besmettings wat gestimuleer word deur die eerste reën verwyder. Dit sal bydra tot die vermindering van die besmetting van "skoon" somer weiding.

##### Instruksies vir die gebruik van outomatiese doseringsapparaat:

- Ontsmet alle naalde en spuite alvorens gebruik word deur dit in skoon water vir 15 tot 20 minute te kook.
- Gekookte naalde moet voor gebruik in 'n steriele oplossing geberg word en gereeld geruil word wanneer diere ingespuet word.
- Verwyder die aftrek montering van die steriele houder. Hanteer versigtig om kontaminasie te vermy.
- Verbind die plastiek buis stewig met die doseerspuit. Gebruik afgemete konneksie wat verskaf word indien nodig.
- Verwyder dop van bottel en ontsmet rubberprop met brandspiritus of enige ander gepaste chemiese ontsmettingsmiddel. Hou bottel regop en steek die aftapnaald deur die middel van die rubberprop.
- Hang botel in 'n gemaklike omgekeerde posisie om die nek, skouer of middel.
- Gebruik bande wat verskaf word.
- Vul spuit versigtig. Apparaat is nou gereed vir gebruik.
- Na gebruik, verwyder aftrek montering van die houder en spoel die hele apparaat uit met water voordat dit gebere word.
- Indien hegtingsbuis her-gebruik word, moet dit vir 15 to 20 minute gekook word alvorens dit weer gebruik word met die spuit en naalde.
- Berg halfgebruikte bottel in kartonhouer om dit teen sonlig te beskerm.
- Moet nie leë bottels weer gebruik nie.

##### OMGEWINGSVEILIGHEID:

Studies het getoon dat wanneer ivermektien in aanraking kom met die grond, bind dit onmiddellik en stewig met die grond en raak na 'n ruk onaktief.

Medisyne houers en enige residuele inhoud moet veilig weggegooi word (bv. deur dit te begrawe of verbrand), aangesien vry ivermektien negatiewe effekte op visse en sekere water organismes kan hê.

† Makrosikliese laktoon



Registrasiehouer: Kyrón Animal Health (Edms) Bpk., Reg. Nr. 2004/021847/07, Eenheid 45C, 45 Parkview Straat, Highway Business Park, Rooihuiskraal Uitbr. 31, Centurion, 0157, Suid Afrika. Tel: 0861 247 463.

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