

For the use only of a Registered Veterinary Practitioner or a Hospital or a Laboratory or a Farm.

Selamectin 12% w/v Liquid
RadicatTM
Spot-on Spot-on solution For Dogs







Prevents & controls Ticks, Fleas, biting lice and Mange infestations as well as Heartworm disease.

COMPOSITION:

Each ml contains:
Selamectin BP 12% w/v
Solvents q.s.

CATEGORY: Anti parasitic agent

INDICATIONS:

- **Treatment and prevention of flea infestations**  caused by *Ctenocephalides spp.* for one month following a single administration. This is as a result of the adulticidal, larvicidal and ovicidal properties of the product. The product is ovicidal for 3 weeks after administration. Through a reduction in the flea population, monthly treatment of pregnant and lactating animals will also aid in the prevention of flea infestations in the litter up to seven weeks of age. The product can be used as part of a treatment strategy for flea allergy dermatitis and through its ovicidal and larvicidal action may aid in the control of existing environmental flea infestations in areas to which the animal has access.
- **Treatment of ear mites**  (*Otodectes cynotis*).
- **Treatment of biting lice infestations**  (*Trichodectes canis*)
- **Treatment of sarcoptic mange**  (caused by *Sarcoptes scabiei*)
- **Treatment of adult intestinal roundworms**  (*Toxocara canis*).
- **Prevention of heartworm disease**  caused by *Dirofilaria immitis* with monthly administration.

DOSAGE AND ADMINISTRATION:

The product should be administered as a single application of a single dose delivering a minimum of 6 mg/kg Selamectin.

Administer in accordance with the following table:

Dogs (kg)	Selamectin (mg)	Potency (mg/ml)	Volume (nominal tube size - ml)
5.1-10.0	60	120	0.5
10.1-20.0	120	120	1.0
20.1-40.0	240	120	2.0
40.1-60.0	360	120	3.0

Flea treatment and prevention


Following administration of the **Radicat Spot-on**, the adult fleas on the animal are killed, no viable eggs are produced, and larvae (found only in the environment) are also killed. This stops flea reproduction, breaks the flea lifecycle and may aid in the control of existing environmental flea infestations in areas to which the animal has access.

For the prevention of flea infestations, **Radicat Spot-on** should be administered at monthly intervals throughout the flea season, starting one month before fleas become active. Through a reduction in the flea population, monthly treatment of pregnant and lactating animals will aid prevention of flea infestations in the litter up to seven weeks of age.


For use as part of a treatment strategy for flea allergy dermatitis **Radicat Spot-on** should be administered at monthly intervals.

Prevention of heartworm disease


The need for treatment should be determined by the prescribing veterinarian and should be based on the local epidemiological situation. For prevention of heartworm disease, **Radicat Spot-on** should be administered within one month of the animal's first exposure to mosquitoes and monthly thereafter until 1 month after the last exposure to mosquitoes. If a dose is missed and a monthly interval between dosing is exceeded then immediate administration of the **Radicat Spot-on** and resumption of monthly dosing will minimise the opportunity for the development of adult heartworms. The need for extended treatment should be determined by the prescribing veterinarian.

Treatment of roundworm infections 

A single dose of the **Radicat Spot-on** should be administered.

Treatment of biting lice 

A single dose of the **Radicat Spot-on** should be administered.

Treatment of ear mites 

A single dose of the **Radicat Spot-on** should be administered. Loose debris should be gently removed from the external ear canal at the time of treatment. A further veterinary examination 30 days after treatment is recommended as some animals may require a second treatment.

Treatment of sarcoptic mange 

For complete elimination of the mites, a single dose of the **Radicat Spot-on** should be administered for two consecutive months.

Method and Route of administration: Spot-on use.

METHOD OF APPLICATION:

Radicat is a spot on liquid preparation and very easy to administer. Before administering, ensure that your pet is dry.

Part the hair at back of dog, at the base of the neck between the shoulder blades until the skin is visible. Place the tip of the tube on the skin & squeeze gently at once or two spots to empty its contents on to skin. Care should be taken to avoid excessive wetting of hair during treatment of dogs. Do not allow treated dogs to lick each other or rub against other animals until the application site is dry.

PHARMACOLOGICAL PROPERTIES:

Pharmacotherapeutic group: Antiparasitic Agent

ATCvet code: QP54AA05.

PHARMACODYNAMIC PROPERTIES:

Selamectin is a semi-synthetic compound of the avermectin class. Selamectin paralyses and/or kills a wide range of invertebrate parasites through interference with their chloride channel

conductance causing disruption of normal neurotransmission. This inhibits the electrical activity of nerve cells in nematodes and muscle cells in arthropods leading to their paralysis and/or death.

Selamectin has adulticidal, ovicidal and larvicidal activity against fleas. Therefore, it effectively breaks the flea life cycle by killing adults (on the animal), preventing the hatching of eggs (on the animal and in its environment) and by killing larvae (environment only). Debris from selamectin-treated pets kills flea eggs and larvae not previously exposed to selamectin and thus may aid in the control of existing environmental flea infestations in areas to which the animal has access.

Activity has also been demonstrated against heartworm larvae.

PHARMACOKINETICS:

Following topical administration selamectin is absorbed from the skin reaching maximum plasma concentrations approximately 1 and 3 days after administration in cats and dogs respectively. Following absorption from the skin selamectin distributes systemically and is slowly eliminated from plasma as manifested in detectable plasma concentrations in dogs and cats 30 days after administration of a single topical dose at 6 mg/kg. The prolonged persistence and slow elimination of selamectin from plasma is reflected in the terminal elimination half-life values of 8 and 11 days in cats and dogs respectively. The systemic persistence of selamectin in plasma and the lack of extensive metabolism provide effective concentrations of selamectin for the duration of the inter-dosing interval (30 days).

WARNING & PRECAUTIONS:

- Wear gloves during application.
- Avoid contact with eyes and skin. If the product is in contact with eyes, rinse immediately with plenty of water.
- Do not apply when the animal's hair coat is wet. However, shampooing or soaking the animal 2 or more hours after treatment will not reduce the efficacy of the product
- Do not smoke, drink or eat while handling the product
- Keep treated animals away from flame until animal gets dry.
- Wash the hands thoroughly after use.
- Used applicators should be disposed of immediately and not left within the sight or reach of children.
- For ear mite treatment, do not apply directly to the ear canal.
- **Radicat Spot-on** is to be applied to the skin surface only. Do not administer orally or parenterally.
- Selamectin is toxic for aquatic organisms. Treated dogs should not be allowed to enter surface water for 48 hours after treatment, to avoid adverse effects on aquatic organisms.

CONTRAINDICATIONS:

Do not use in animals under 6 weeks of age. Hypersensitivity to any of the Ingredients.

ADVERSE EFFECTS:

On rare occasions, its application may produce a local temporary clumping of the hair at the application site and/or an occasional appearance of a small quantity of a white powder. This is normal and will disappear typically within 24 hours of treatment administration and does not affect either the safety or efficacy of the veterinary medicinal product.

WITHDRAWAL PERIOD:

Not applicable.

TOXICITY:

If animal consumes or licks accidentally, contact your veterinarian immediately for symptomatic treatment.

Only for use by or under the observation of a registered Veterinarian.

STORAGE:

Store in a cool, dry place away from sunlight.

CONTAINER DISPOSAL:

Any unused product or waste material should be disposed of in accordance with local requirements. Selamectin may adversely affect fish or certain water-borne organisms on which they feed.

Containers and residual contents should be disposed of along with collected domestic refuse to avoid contamination of any water courses.

PRESENTATION:

Radicat Spot-On For Dogs of 5 to 10Kgs

Unit dose Lami tube contains 0.5ml of 12% w/v solution and delivers 60 mg of Selamectin

Radicat Spot-On For Dogs of 10.1 to 20Kgs

Unit dose Lami tube contains 1ml of 12% w/v solution and delivers 120 mg of Selamectin

Radicat Spot-On For Dogs of 20.1 to 40Kgs

Unit dose Lami tube contains 2ml of 12% w/v solution and delivers 240 mg of Selamectin

Radicat Spot-On For Dogs of 40.1 to 60Kgs

Unit dose Lami tube contains 3ml of 12% w/v solution and delivers 360 mg of Selamectin

**FOR ANIMAL TREATMENT ONLY.
NOT FOR HUMAN USE. FOR EXTERNAL APPLICATION ONLY.**

SHAKE WELL BEFORE USE.

KEEP OUT OF REACH OF CHILDREN & PETS, AWAY FROM FOOD.

Veko[®]

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