

**STORAGE:**

Store below 30°C in a dry place.

**CONTAINER DISPOSAL :**

Any unused product or waste material should be disposed of in accordance with local requirements. Imidacloprid and Moxidectin may adversely affect fish or certain water-borne organisms on which they feed. Containers and residual contents should be disposed of to avoid contamination of any water courses.

**PRESENTATION:**

Assurity Plus Spot On For Dogs less than 4 Kgs

1/3/6 Lami tube of 0.4 ml.

Assurity Plus Spot On For Dogs of 4 Kgs upto 10 Kgs

1/3/6 Lami tube of 1 ml.

Assurity Plus Spot On For Dogs over 10 Kgs upto 25 Kgs

1/3/6 Lami tube of 2.5 ml.

Assurity Plus Spot On For Dogs over 25 Kgs upto 40 Kgs

1/3/6 Lami tube of 4 ml.

**VETERINARY.**

**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.**

Carefully read the accompanying instructions before use.

# Veko

Manufactured & Marketed by:

**Veko Care Pvt. Ltd.**

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VPP2E065



Imidacloprid 10% w/v & Moxidectin 2.5% w/v Solution

## Assurity® Plus Spot On

**ALL-IN-ONE SOLUTION  
FOR BROAD SPECTRUM PARASITE PROTECTION**

**COMPOSITION:**

Each ml contains :

Imidacloprid 10% w/v

Moxidectin BP 2.5% w/v

Excipients q.s.

**INDICATIONS:**

For dogs suffering from, or at risk from, mixed parasitic infections:

- **Prevention of heartworm disease** (L3 and L4 larvae of *Dirofilaria immitis*),
- **Treatment and prevention of flea infestation** (*Ctenocephalides felis*),
- **Treatment of biting lice** (*Trichodectes canis*),
- **Treatment of ear mite infestation** (*Otodectes cynotis*), sarcoptic mange (caused by *Sarcoptes scabiei* var. *canis*), demodicosis (caused by *Demodex canis*),
- **Treatment & control of Hookworms, roundworms and whipworms.**
- **Treatment & control of Sarcoptic mange.**
- **Treatment of circulating microfilariae** (*Dirofilaria immitis*),
- **Treatment of the eye worm** *Thelazia callipaeda* (adults)

**DOSAGE AND ADMINISTRATION:**

The recommended minimum dose is 10 mg/kg Imidacloprid and 2.5 mg/kg Moxidectin, once a month, by topical administration.

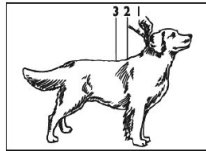
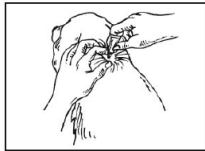
Administer in accordance with the following table:

Weight of dog	Volume (mL)	Imidacloprid (mg)	Moxidectin (mg)
For small dogs (≤4kg)	0.4 ml	40 mg	10 mg
For medium dogs (>4–10kg)	1.0 ml	100 mg	25 mg
For large dogs (>10 –25kg)	2.5 ml	250 mg	62.5 mg
For extra-large dogs (>25– 40kg )	4.0 ml	400 mg	100 mg

**DIRECTIONS FOR USE:**

Apply to the skin at the base of the neck in front of the shoulder blades.

1. Remove the tube from its packaging.
2. Part the hair at the base of the dog's neck in front of the shoulder blades to expose a small area of skin. Apply the tip of the tube directly to the skin without massaging. Squeeze the tube firmly to empty the contents in one spot. Avoid contact between the product and your fingers.

**PHARMACOLOGICAL PROPERTIES:**

Pharmacotherapeutic group: Antiparasitic products, insecticides and repellents, macrocyclic lactones, milbemycins.  
ATCvet code: QP54AB52.

**PHARMACODYNAMIC PROPERTIES:**

**Imidacloprid** : is an ectoparasiticide belonging to the chloronicotinyl group of compounds. Chemically, it can be classified as a chloronicotinyl nitroguanidine. Imidacloprid is effective against adult fleas and larval flea stages. In addition to the adulticide flea efficacy of Imidacloprid, a larvicidal flea efficacy in the surroundings of the treated pet has been demonstrated. Larval stages in the dog's immediate surroundings are killed following contact with a treated animal. It has a high affinity for the nicotinic acetylcholine receptors in the post-synaptic region of the central nervous system (CNS) in insects. The ensuing inhibition of cholinergic transmission in insects results in paralysis and death of the parasite.

**Moxidectin** : 23-(O-methyloxime)-F28249 alpha is a second-generation macrocyclic lactone of the milbemycin family. It is a parasiticide which is active against many internal and external parasites. Moxidectin is active against larval stages of *Dirofilaria immitis* (L1, L3, L4) and *Dirofilaria repens* (L1, L3). It is also active against gastrointestinal nematodes. Moxidectin interacts with GABA and glutamate-gated chloride channels. This leads to opening of the chloride channels on the postsynaptic junction, the inflow of chloride ions and induction of an irreversible resting state. The result is flaccid paralysis of affected parasites, followed by their death and/or expulsion.

The drug has a persistent action and protects dogs for 4 weeks after a single application against re-infection with the following parasites: *Dirofilaria immitis*, *Dirofilaria repens*, *Angiostrongylus vasorum*.

**PHARMACOKINETICS:**

After topical administration of the product, Imidacloprid is rapidly distributed over the animal's skin within one day of application. It can be found on the body surface throughout the treatment interval. Moxidectin is absorbed through the skin, reaching maximum plasma concentrations approximately 4 to 9 days after treatment in dogs. Following absorption from the skin, moxidectin is distributed systemically throughout the body tissues but due to its lipophilicity it is concentrated mainly in the fat. It is slowly eliminated from the plasma as manifested by detectable moxidectin concentrations in plasma throughout the treatment interval of one month. The  $T_{1/2}$  in dogs is about 28.4 days.

**WARNING & PRECAUTIONS :**

- Wear gloves during application.
- Avoid contact with eyes, skin & clothing. If the product is in contact with eyes, rinse immediately with plenty of water. 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.
- **Assurity Plus Spot on** is to be applied to the skin surface only. Do not administer orally or parenterally.
- 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
- Do not use on puppies below 7 weeks of age.
- Do not use on Cats, Canaries.
- Do not use in dogs classified as Class 4 for heartworm disease as the safety of the product has not been evaluated in this animal group.
- Do not apply to irritated skin.
- Do not allow the dog or any other treated animals to lick any of the application sites for 30 minutes.

**CONTRAINDICATIONS:**

Do not administer to animals other than those for which it is indicated.  
Hypersensitivity to any of the Ingredients.

**ADVERSE EFFECTS:**

Stiff hair, a damp appearance of the hair, pink skin, or a slight powdery residue may be observed at the Application site on some animals. This is temporary and does not affect the safety and effectiveness of the product.

**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.