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**Product Information  
Revolution****REVOLUTION\* (SELAMECTIN)**

Topical Parasiticide For Dogs, Cats, Puppies and Kittens

The REVOLUTION\* range of topical parasiticides contains SELAMECTIN a novel semi-synthetic compound of the macrocyclic lactone class, in a colourless to pale yellow, ready to use solution. It is available in colour coded, single dose tubes for topical (dermal) treatment of dogs and cats beginning at six weeks of age. The content of each tube is formulated to provide a minimum of 6mg Selamectin/kg body weight.

**INDICATIONS:** For the treatment, control and prevention of flea (*Ctenocephalides spp.*) infestations, control of flea allergy dermatitis, prevention of heartworm disease caused by *Dirofilaria immitis* and the treatment and control of ear mites (*Otodectes cynotis*) in dogs and cats. For the treatment and control of sarcoptic mange (*Sarcoptes scabiei*) in dogs, and intestinal hookworms (*Ancylostoma tubaeforme*) and roundworms (*Toxocara cati*) in cats.

**EFFICACY:** Adult fleas are killed for one month following administration of REVOLUTION according to the recommended dosing schedule. In addition, flea eggs exposed to this REVOLUTION dosing schedule are not viable and flea reproduction is stopped. Clinical signs of flea allergy dermatitis improve after treatment. Monthly administration of REVOLUTION prevents heartworm disease caused by *D. Immitis*. Ear mites (*O. Cynotis*) are eliminated after a single dose of REVOLUTION in cats and in 90% of dogs after two doses and are controlled by monthly dosing. Sarcoptic mange mites (*S. scabiei*) in dogs and the common intestinal hookworm (*A. tubaeforme*) and the common roundworm (*T. cati*) in cats, are killed by a single dose of REVOLUTION and controlled by monthly dosing.

**DIRECTIONS FOR USE:****Do not use on dogs or cats less than 6 weeks of age.**

Apply topically to the skin once a month.

**DOSAGE:**

Animal Type	Weight	Pack Colour	No. of tubes per month
Puppy or Kitten	Up to 2.5kg	Mauve	1

Cat	2.5-7.5kg	Blue	1
Dog	2.5-5kg	Purple	1
Dog	5.1-10kg	Brown	1
Dog	10.1-20kg	Red	1
Dog	20.1-40kg	Teal	
Dog	Greater than 40kg	Appropriate combination of tubes	

**APPLICATION:**

Depress the cap to puncture the seal on the REVOLUTION tube; then remove the cap to apply product. Apply the product directly to the skin without massaging into the site. Part the hair on the back of the animal at the base of the neck in front of the shoulder blades until the skin is visible. Place the tip of the tube on the skin and squeeze the tube to empty its entire contents directly onto the skin in one spot. Avoid contact between the product and fingers. Do not apply when the hair coat is wet. Bathing or shampooing the animal two or more hours after treatment will not reduce the efficacy of REVOLUTION.

**Flea Treatment, Control and Prevention:**

If the animal is already infested with fleas when the first dose of REVOLUTION is applied, then adult fleas on the animal are killed and no viable flea eggs are produced after the first application. This stops flea reproduction. An environmental infestation of fleas may persist for a short time after beginning treatment with REVOLUTION because of the emergence of adult fleas from pre-existing pupae. However, significant reductions in flea infestations are to be expected after just one monthly treatment as flea larvae in the animals surroundings are killed or prevented from developing to adults by treatment with REVOLUTION.

For the prevention and lasting control of flea infestations, REVOLUTION should be applied at monthly intervals throughout the flea season, starting one month before fleas become active. This ensures that fleas infesting the animal are killed and that no viable flea eggs are produced by these fleas. Flea larvae in the animals surrounds are also killed by REVOLUTION. This breaks the flea life cycle, controls and prevents flea infestations and improves the clinical signs associated with flea allergy dermatitis in most animals. The clinical signs in some animals may not response to this treatment alone. To obtain maximum flea control, it is recommended that all cats and dogs in the same environment are treated.

**Heartworm Prevention:**

For the prevention of heartworm disease REVOLUTION must be applied on a monthly basis. REVOLUTION may be applied year-round or at least within one month after the animal's first exposure to mosquitoes and monthly thereafter until the end of the mosquito season. This dose must be given within one month after the last exposure to mosquitoes. If a dose is missed and a monthly interval between dosing is exceeded, then immediate application of REVOLUTION and resumption of monthly dosing will minimise the opportunity for the development of adult heartworms. When replacing another heartworm preventive product in a heartworm disease prevention program, the first dose of REVOLUTION must be given within a month of the last dose of former medication.

REVOLUTION may be safely applied to heartworm infected animals, however, it is

recommended, in accordance with good veterinary practice, that all animals > 6 months of age be tested for existing heartworm infections before beginning medication with REVOLUTION. REVOLUTION is not effective against adult *D. immitis*; however it may decrease the number of circulating microfilariae.

**Ear Mite Treatment:** A single dose of REVOLUTION was 100% effective in treating ear mites (*O. cynotis*) in laboratory studies with dogs and cats. In field studies, with a potential for reinfestation, a single dose of REVOLUTION eliminated ear mites in 100% of cats, and two monthly doses of REVOLUTION eliminated ear mites in 90% of dogs. Monthly use of REVOLUTION will treat any subsequent ear mite infestations. Cleansing of the infested ears is recommended to remove the debris.

**Sarcoptic Mange Treatment for Dogs:** For the elimination of Sarcoptic mange (*Sarcoptes scabiei*), REVOLUTION should be applied once and is highly efficacious as a single dose. A second monthly dose of REVOLUTION may be required for complete elimination of mites in some dogs. Monthly use of REVOLUTION will treat any subsequent Sarcoptes mite infestations.

**Nematode Treatment for Cats:** For the treatment of intestinal hookworms (*A. tubaeforme*) and roundworms (*T. cati*), REVOLUTION should be applied once as a single treatment. Monthly use of REVOLUTION will control hookworm and roundworm infections.

#### **ANIMAL SAFETY:**

**DOGS:** REVOLUTION has been tested with no adverse reactions in dogs of over 100 different pure and mixed breeds including Collies. No adverse effects were observed when REVOLUTION was applied at 10 times the recommended dose and in pregnant and lactating females, breeding males and females and dogs six weeks of age and older. REVOLUTION was also applied at 3 times the recommended dose to heartworm infected dogs, and no adverse effects were observed.

**CATS:** REVOLUTION has been tested with no serious adverse effects in cats of over 15 different pure and mixed breeds. No adverse effects were noted when REVOLUTION was applied at 10 times the recommended dose and in pregnant and lactating females, breeding males and females and cats six weeks of age and older. Less than 1% of cats treated in the field studies developed transient alopecia which resolved in 3-4 weeks, at or near the site of the application. This was possibly due to excessive self-grooming. REVOLUTION was also applied at 4 times the recommended dose to heartworm infected cats, and no adverse effects were observed. Accidental oral administration of REVOLUTION to cats may induce salivation or vomiting. In well-controlled clinical studies in dogs and cats, REVOLUTION was used safely in animals received other frequently used veterinary products such as vaccines, anthelmintics, antiparasitics, antibiotics, steroids, collars, shampoos and dips.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

#### **SAFETY DIRECTIONS:**

**Will irritate the eyes. Avoid contact with eyes. If product in eyes, wash it out immediately with water. Wash hands after use.**

**Flammable – Keep away from heat, sparks, open flames or other sources of ignition.**

**FIRST AID**

**If poisoning occurs, contact a doctor or Poisons Information Centre, Phone 13 1126.**

**Storage** Store below 30 degrees (Room temperature) in the original carton.

**Disposal** Dispose of empty tubes by wrapping with paper and placing in the garbage.

**Presentation** REVOLUTION is available in tube sizes for dogs and cats of different weights.

<b>REVOLUTION for</b>	<b>Pack Colour</b>	<b>Contents (Selamectin)</b>
Puppies and kittens	Mauve	3 x 15 mg
Cats	Blue	3 or 6 x 45 mg
Dogs: 2.6-5kg	Purple	3 or 6 x 30 mg
Dogs: 5.1-10kg	Brown	3 or 6 x 60 mg
Dogs: 10.1-20kg	Red	3 or 6 x 120 mg
Dogs: 20.1-40kg	Teal	3 or 6 x 240mg

Dogs above 40kg and cats above 7.5kg – use appropriate combination of tubes