

MIDAMOX FOR DOGS- imidacloprid and moxidectin solution
Norbrook Laboratories Limited

Midamox® for Dogs
(imidacloprid + moxidectin)
Topical Solution

Once-a-month topical solution for the prevention of heartworm disease, the treatment of circulating microfilariae, kills adult fleas, is indicated for the treatment of flea infestations, the treatment and control of sarcoptic mange, as well as the treatment and control of intestinal parasite infections in dogs and puppies that are at least 7 weeks of age and that weigh at least 3 lbs.

WARNING

- **DO NOT ADMINISTER THIS PRODUCT ORALLY**
- **For the first 30 minutes after application ensure that dogs cannot lick the product from application sites on themselves or other treated animals.**
- **Children should not come in contact with application sites for two (2) hours after application.**

(See Contraindications, Warnings, Human Warnings, and Adverse Reactions, for more information)

CAUTION:

Federal Law restricts this drug to use by or on the order of a licensed veterinarian.

DESCRIPTION:

Midamox for Dogs (10 % imidacloprid + 2.5 % moxidectin) is a colorless to yellow ready-to-use solution packaged in single dose applicators for topical treatment of dogs. The formulation and dosage schedule are designed to provide a minimum of 4.5 mg/lb (10 mg/kg) imidacloprid and 1.1 mg/lb (2.5 mg/kg) moxidectin based on body weight.

Imidacloprid is a chloronicotinyl nitroguanidine insecticide. The chemical name for imidacloprid is 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine. Moxidectin is a semisynthetic macrocyclic lactone endectocide derived from the actinomycete *Streptomyces cyaneogriseus noncyanogenus*. The chemical name for moxidectin is [6R, 23E, 25S(E)]-5-O- Demethyl-28-deoxy-25-(1,3-dimethyl-1-butenyl)-6,28-epoxy-23-(methoxyimino) milbemycin B.

INDICATIONS:

Midamox for Dogs is indicated for the prevention of heartworm disease caused by *Dirofilaria immitis* and the treatment of *Dirofilaria immitis* circulating microfilariae in

heartworm-positive dogs. *Midamox for Dogs* kills adult fleas and is indicated for the treatment of flea infestations (*Ctenocephalides felis*). *Midamox for Dogs* is indicated for the treatment and control of sarcoptic mange caused by *Sarcoptes scabiei* var. *canis*. *Midamox for Dogs* is also indicated for the treatment and control of the following intestinal parasites:

Intestinal Parasite		Intestinal Stage		
		Adult	Immature Adult	Fourth Stage Larvae
Hookworm Species	<i>Ancylostoma caninum</i>	X	X	X
	<i>Uncinaria stenocephala</i>	X	X	X
Roundworm Species	<i>Toxocara canis</i>	X		X
	<i>Toxascaris leonina</i>	X		
Whipworm	<i>Trichuris vulpis</i>	X		

DOSAGE AND ADMINISTRATION:

The recommended minimum dose is 4.5 mg/lb (10 mg/kg) imidacloprid and 1.1 mg/lb (2.5 mg/kg) moxidectin, once a month, by topical administration.

Do not apply to irritated skin.

1. Remove the applicator from the outer pouch using scissors or fold along diagonal line to expose nick; tear back at nick. As specified in the following table, administer the entire contents of the *Midamox for Dogs* (imidacloprid and moxidectin) applicator that correctly corresponds with the body weight of the dog.



Dog (lbs.)	<i>Midamox for Dogs</i>	Volume (mL)	Imidacloprid (mg)	Moxidectin (mg)
3-9	<i>Midamox 9</i>	0.4	40	10
9.1-20	<i>Midamox 20</i>	1.0	100	25
20.1-55	<i>Midamox 55</i>	2.5	250	62.5
55.1-88	<i>Midamox 88</i>	4.0	400	100
88.1-110*	<i>Midamox 110</i>	5.0	500	125

* Dogs over 110 lbs. should be treated with the appropriate combination of *Midamox for Dogs* applicators.



2. Hold the applicator upright.
3. Tap the narrow part of the applicator to ensure the contents remain within the main

body of the applicator.

4. Twist or snap back the tip.
5. The dog should be standing for application. Part the hair on the back of the dog between the shoulder blades until the skin is visible. For dogs weighing 20 lbs. or less, place the tip of the applicator on the skin and apply the entire contents directly on the exposed skin at one spot between the shoulder blades. For dogs weighing more than 20 lbs., place the tip of the applicator on the skin and apply the entire contents directly on the exposed skin at 3 or 4 spots on the top of the backline from the base of the neck to the upper back in an area inaccessible to licking. Do not apply an amount of solution at any one location that could run off the side of the dog.



Do not let this product get in your dog's mouth or eyes. **Do not allow the dog to lick any of the application sites for 30 minutes.** In households with multiple pets, keep each treated dog separated from other treated dogs and other pets for 30 minutes after application to prevent licking the application sites.

(See WARNINGS.) Contact with eyes can lead to eye irritation and corneal ulceration. If contact with eyes occurs, hold the dog's eyelids open, flush thoroughly with water, and contact your veterinarian.

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.

Shampooing 90 minutes after treatment does not reduce the effectiveness of *Midamox for Dogs* in the prevention of heartworm disease. Shampooing or water immersion 4 days after treatment will not reduce the effectiveness of *Midamox for Dogs* in the treatment of flea infestations. However, shampooing as often as once weekly may reduce the effectiveness of the product against fleas.

Heartworm Prevention: For prevention of heartworm disease, *Midamox for Dogs* should be administered at one-month intervals. *Midamox for Dogs* may be administered year-round or at a minimum should start one month before the first expected exposure to mosquitoes and should continue at monthly intervals until one month after the last exposure to mosquitoes. If a dose is missed and a 30-day interval between doses is exceeded, administer *Midamox for Dogs* immediately and resume the monthly dosing schedule. When replacing another heartworm preventative product in a heartworm prevention program, the first treatment with *Midamox for Dogs* should be given within one month of the last dose of the former medication.

Treatment of Circulating Microfilaria: For the treatment of circulating *D. immitis* microfilaria in heartworm-positive dogs, *Midamox for Dogs* should be administered at one-month intervals. Treatment with an approved adulticide therapy is recommended because *Midamox for Dogs* is not effective for the treatment of adult *D. immitis*.

(See PRECAUTIONS.)

Flea Treatment: For the treatment of flea infestations, *Midamox for Dogs* should be administered at one-month intervals. If the dog is already infested with fleas when the first dose of *Midamox for Dogs* is administered, adult fleas on the dog will be killed. However, reinfestation from the emergence of preexisting pupae in the environment may continue to occur for six weeks or longer after treatment is initiated. Dogs treated with imidacloprid, including those with pre-existing flea allergy dermatitis have shown clinical improvement as a direct result of elimination of fleas from the dog.

Treatment and Control of Intestinal Nematode Infections: For the treatment and control of intestinal hookworm infections caused by *Ancylostoma caninum* and *Uncinaria stenocephala* (adults, immature adults and fourth stage larvae) and roundworm infections caused by *Toxocara canis* (adults and fourth stage larvae), and *Toxascaris leonina* (adults), and whipworm infections caused by *Trichuris vulpis* (adults), *Midamox for Dogs* should be administered once as a single topical dose.

Treatment and Control of Sarcoptic Mange: For the treatment and control of sarcoptic mange caused by *Sarcoptes scabiei* var. *canis*, *Midamox for Dogs* should be administered as a single topical dose.

A second monthly dose may be administered if necessary.

CONTRAINDICATIONS:

Do not administer this product orally. (See WARNINGS.)

Do not use this product (containing 2.5% moxidectin) on cats.

WARNINGS

For the first 30 minutes after application:

Ensure that dogs cannot lick the product from application sites on themselves or other treated dogs, and

Separate treated dogs from one another and from other pets to reduce the risk of accidental ingestion.

Ingestion of this product by dogs may cause serious adverse reactions including depression, salivation, dilated pupils, incoordination, panting, and generalized muscle tremors.

In avermectin sensitive dogs,^a the signs may be more severe and may include coma and death.^b

^a Some dogs are more sensitive to avermectins due to a mutation in the MDR1 gene. Dogs with this mutation may develop signs of severe avermectin toxicity if they ingest this product. The most common breeds associated with this mutation include Collies and Collie crosses.

^b Although there is no specific antagonist for avermectin toxicity, even severely affected dogs have completely recovered from avermectin toxicity with intensive veterinary supportive care.

HUMAN WARNINGS:

Not for human use. Keep out of the reach of children.

Children should not come in contact with application sites for two (2) hours after application.

Causes eye irritation. Harmful if swallowed. Do not get in eyes or on clothing. Avoid contact with skin. Exposure to the product has been reported to cause headache; dizziness; and redness, burning, tingling, or numbness of the skin.

Wash hands thoroughly with soap and warm water after handling.

If contact with eyes occurs, hold eyelids open and flush with copious amounts of water for 15 minutes. If eye irritation develops or persists, contact a physician. If swallowed, call poison control center or physician immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or physician. People with known hypersensitivity to benzyl alcohol, imidacloprid or moxidectin should administer the product with caution. In case of allergic reaction, contact a physician. If contact with skin or clothing occurs, take off contaminated clothing. Wash skin immediately with plenty of soap and water. Call a poison control center or physician for treatment advice.

The Safety Data Sheet (SDS) provides additional occupational safety information. For product questions, to report adverse reactions, or for a copy of the Safety Data Sheet (SDS), call Norbrook at 1-866-591-5777.

PRECAUTIONS:

Do not dispense dose applicators without complete safety and administration information.

Use with caution in sick, debilitated, or underweight animals. The safety of *Midamox for Dogs* has not been established in breeding, pregnant, or lactating dogs. The safe use of *Midamox for Dogs* has not been established in puppies and dogs less than 7 weeks of age or less than 3 lbs. body weight.

Prior to administration of *Midamox for Dogs*, dogs should be tested for existing heartworm infection. At the discretion of the veterinarian, infected dogs should be treated with an adulticide to remove adult heartworms. The safety of *Midamox for Dogs* has not been evaluated when administered on the same day as an adulticide. *Midamox for Dogs* is not effective against adult *D. immitis*. Although the number of circulating microfilariae is substantially reduced in most dogs following treatment with *Midamox for Dogs*, the microfilaria count in some heartworm-positive dogs may increase or remain unchanged following treatment with *Midamox for Dogs* alone or in a dosing regimen with melarsomine dihydrochloride.

(See ADVERSE REACTIONS and ANIMAL SAFETY - Safety Study in Heartworm-Positive Dogs.)

Imidacloprid and moxidectin has not been evaluated in heartworm-positive dogs with Class 4 heartworm disease.

ADVERSE REACTIONS:

Heartworm-Negative Dogs

Field Studies: Following treatment with imidacloprid and moxidectin or an active control, dog owners reported the following post-treatment reactions:

OBSERVATION	imidacloprid + moxidectin n=128	Active Control n=68
Pruritus	19 dogs (14.8%)	7 dogs (10.3%)
Residue	9 dogs (7.0%)	5 dogs (7.4%)
Medicinal Odor	5 dogs (3.9%)	None observed
Lethargy	1 dog (0.8%)	1 dog (1.5%)
Inappetence	1 dog (0.8%)	1 dog (1.5%)
Hyperactivity	1 dog (0.8%)	None observed

During a field study using 61 dogs with pre-existing flea allergy dermatitis, one (1.6 %) dog experienced localized pruritus immediately after imidacloprid application, and one investigator noted hyperkeratosis at the application site of one dog (1.6 %).

In a field safety and effectiveness study, imidacloprid and moxidectin was administered to 92 client-owned dogs with sarcoptic mange. The dogs ranged in age from 2 months to 12.5 years and ranged in weight from 3 to 231.5 pounds. Adverse reactions in dogs treated with imidacloprid and moxidectin included hematochezia, diarrhea, vomiting, lethargy, inappetence, and pyoderma.

Laboratory Effectiveness Studies: One dog in a laboratory effectiveness study experienced weakness, depression, and unsteadiness between 6 and 9 days after application with imidacloprid and moxidectin. The signs resolved without intervention by day 10 post-application. The signs in this dog may have been related to peak serum levels of moxidectin, which vary between dogs, and occur between 1 and 21 days after application of imidacloprid and moxidectin.

The following clinical observations also occurred in laboratory effectiveness studies following application with imidacloprid and moxidectin and may be directly attributed to the drug or may be secondary to the intestinal parasite burden or other underlying conditions in the dogs: diarrhea, bloody stools, vomiting, anorexia, lethargy, coughing, ocular discharge and nasal discharge. Observations at the application sites included damp, stiff or greasy hair, the appearance of a white deposit on the hair, and mild erythema, which resolved without treatment within 2 to 48 hours.

Heartworm-Positive Dogs

Field Study: A 56-day field safety study was conducted in 214 *D. immitis* heartworm and microfilaria positive dogs with Class 1, 2 or 3 heartworm disease. All dogs received imidacloprid and moxidectin on Study Days 0 and 28; 108 dogs also received melarsomine dihydrochloride on Study Days - 14, 14, and 15. All dogs were hospitalized for a minimum of 12 hours following each treatment. Effectiveness against circulating *D. immitis* microfilariae was > 90 % at five of six sites; however, one site had an effectiveness of 73.3 %. The microfilaria count in some heartworm-positive dogs increased or remained unchanged following treatment with imidacloprid and moxidectin

alone or in a dosing regimen with melarsomine dihydrochloride.

Following treatment with imidacloprid and moxidectin alone or in a dosing regimen with melarsomine dihydrochloride, the following adverse reactions were observed:

Adverse Reaction	Dogs Treated with imidacloprid + moxidectin for Dogs Only n=106	Dogs Treated with imidacloprid + moxidectin for Dogs + Melarsomine n=108
Cough	24 (22.6%)	25 (23.1%)
Lethargy	14 (13.2%)	42 (38.9%)
Vomiting	11 (10.4%)	18 (16.7%)
Diarrhea, including hemorrhagic	10 (9.4%)	22 (20.4%)
Inappetence	7 (6.6%)	19 (17.6%)
Dyspnea	6 (5.7%)	10 (9.3%)
Tachypnea	1 (<1%)	7 (6.5%)
Pulmonary Hemorrhage	0	1 (<1%)
Death	0	3 (2.8%)

Three dogs treated with imidacloprid and moxidectin in a dosing regimen with melarsomine dihydrochloride died of pulmonary embolism from dead and dying heartworms. One dog, treated with imidacloprid and moxidectin and melarsomine dihydrochloride, experienced pulmonary hemorrhage and responded to supportive medical treatment. Following the first treatment with imidacloprid and moxidectin alone, two dogs experienced adverse reactions (coughing, vomiting, and dyspnea) that required hospitalization. In both groups, there were more adverse reactions to imidacloprid and moxidectin following the first treatment than the second treatment.

To report a suspected adverse reaction, call 1-866-591-5777.

Post-Approval Experience 2022

The following adverse events are based on post-approval adverse drug experience reporting. Not all adverse events are reported to FDA CVM. It is not always possible to reliably estimate the adverse event frequency or establish a causal relationship to product exposure using this data.

The following adverse events reported in dogs are listed in decreasing order of reporting frequency: depression/lethargy, pruritus, vomiting, diarrhea, anorexia, application site reactions (alopecia, pruritus, erythema, and lesions, including blisters), hyperactivity, ataxia, trembling, seizures, panting, hypersalivation, anaphylaxis/anaphylactic reactions (hives, facial swelling, edema of the head), and corneal ulceration.

Serious reactions, including neurologic signs and death have been reported when cats have been exposed (orally and topically) to this product.

In humans, nausea, numbness or tingling of the mouth/lips and throat, ocular and dermal irritation, pruritus, headache, vomiting, diarrhea, depression and dyspnea have been reported following exposure to this product.

Contact Information:

For product questions, to report suspected adverse drug experiences, or for a copy of the Safety Data Sheet (SDS), call Norbrook at 1-866-591-5777.

For additional information about reporting adverse drug experiences for animal drugs, contact FDA at 1-888-FDA-VETS or <http://www.fda.gov/reportanimalae>.

ANIMAL SAFETY:

Heartworm-Negative Dogs

Field Study: In a controlled, double-masked, field safety study, imidacloprid and moxidectin was administered to 128 dogs of various breeds, 3 months to 15 years of age, weighing 4 to 157 pounds. Imidacloprid and moxidectin was used safely in dogs concomitantly receiving ACE inhibitors, anticonvulsants, antihistamines, antimicrobials, chondroprotectants, corticosteroids, immunotherapeutics, MAO inhibitors, NSAIDs, ophthalmic medications, sympathomimetics, synthetic estrogens, thyroid hormones, and urinary acidifiers. Owners reported the following signs in their dogs after application of imidacloprid and moxidectin: pruritus, flaky/greasy residue at the treatment site, medicinal odor, lethargy, inappetence, and hyperactivity. **(See ADVERSE REACTIONS.)**

Safety Study in Puppies: Imidacloprid and moxidectin was applied topically at 1, 3 and 5X the recommended dose to 7-week-old Beagle puppies once every 2 weeks for 6 treatments on days 0, 14, 28, 42, 56, and 70. Loose stools and diarrhea were observed in all groups, including the controls, throughout the study. Vomiting was seen in one puppy from the 1X treatment group (day 57), in two puppies from the 3X treatment group (days 1 and 79), and in one puppy from the 5X treatment group (day 1). Two puppies each in the 1X, 3X, and 5X groups had decreased appetites within 24 hours post-dosing. One puppy in the 1X treatment group had pruritus for one hour following the fifth treatment. A puppy from the 5X treatment group displayed rapid, difficult breathing from 4 to 8 hours following the second treatment.

Dermal Dose Tolerance Study: Imidacloprid and moxidectin was administered topically to 8-month-old Beagle dogs at 10X the recommended dose once. One dog showed signs of treatment site irritation after application. Two dogs vomited, one at 6 hours and one at 6 days post-treatment. Increased RBC, hemoglobin, activated partial thromboplastin, and direct bilirubin were observed in the treated group. Dogs in the treated group did not gain as much weight as the control group.

Oral Safety Study in Beagles: Imidacloprid and moxidectin was administered once orally at the recommended topical dose to 12 dogs. Six dogs vomited within 1 hour of receiving the test article, 2 of these dogs vomited again at 2 hours, and 1 dog vomited again up to 18 hours post-dosing. One dog exhibited shaking (nervousness) 1 hour post-dosing. Another dog exhibited abnormal neurological signs (circling, ataxia, generalized muscle tremors, and dilated pupils with a slow pupillary light response) starting at 4 hours post-dosing through 18 hours post-dosing. Without treatment, this dog was neurologically normal at 24 hours and had a normal appetite by 48 hours post-dosing. **(See CONTRAINDICATIONS.)**

Dermal Safety Study in Ivermectin-Sensitive Collies: Imidacloprid and moxidectin was administered topically at 3 and 5X the recommended dose every 28 days for 3

treatments to Collies which had been prescreened for avermectin sensitivity. No clinical abnormalities were observed.

Oral Safety Study in Ivermectin-Sensitive Collies: Imidacloprid and moxidectin was administered orally to 5 pre-screened ivermectin-sensitive Collies. The Collies were asymptomatic after ingesting 10 % of the minimum labeled dose. At 40 % of the minimum recommended topical dose, 4 of the dogs experienced neurological signs indicative of avermectin toxicity including depression, ataxia, mydriasis, salivation, muscle fasciculation, and coma, and were euthanized. **(See CONTRAINDICATIONS.)**

Heartworm-Positive Dogs

Laboratory Safety Study in Heartworm-Positive Dogs: Imidacloprid and moxidectin was administered topically at 1 and 5X the recommended dose every 14 days for 3 treatments to dogs with adult heartworm infections and circulating microfilaria. At 5X, one dog was observed vomiting three hours after the second treatment. Hypersensitivity reactions were not seen in the 5X treatment group.

Microfilaria counts decreased with treatment.

STORAGE INFORMATION:

Store below 77°F (25°C). Excursions are permitted up to 104°F (40°C) however such exposure should be minimized. Do not remove the applicator from the pouch until ready to use. Do not use after the expiry date which is stated on the carton.

HOW SUPPLIED:

Applications Per Package,

6 x 0.4 mL applicators, 6 x 1.0 mL applicators, 6 x 2.5 mL applicators, 6 x 4.0 mL applicators, 6 x 5.0 mL applicators Approved by FDA under ANADA # 200-716

Made in Ireland

Manufactured by:
Norbrook Manufacturing Ltd.
Rossmore Industrial Estate
Monaghan, Co. Monaghan
Ireland

Midamox® is a trademark of
Norbrook Laboratories Limited
Revised July 2023
224670I02



Principal Display Panel - 2.5 mL Carton Label

20.1-55 lbs

Midamox® for Dogs

**(imidacloprid + moxidectin)
Topical Solution**

CAUTION: Federal Law restricts this drug to use by or on the order of a licensed veterinarian.

Once-A-Month Topical Solution

- Prevention of heartworm disease
- Treatment of *Dirofilaria immitis* circulating microfilariae
- Kills adult fleas and is indicated for the treatment of flea infestations
- Treatment and control of hookworms, roundworms, and whipworms
- Treatment and control of sarcoptic mange
- For dogs and puppies 7 weeks of age and older and 20.1 to 55 lbs.

WARNING

- **DO NOT ADMINISTER THIS PRODUCT ORALLY**
- **For the first 30 minutes after application ensure that dogs cannot lick the product from application sites on themselves or other treated animals.**
- **Children should not come in contact with the application sites for two (2) hours after application. (See Contraindications, Warnings, Human Warnings, and Adverse Reactions, for more information)**

Each applicator contains 250 mg of imidacloprid and 62.5 mg of moxidectin

Keep this and all drugs out of the reach of children.

Do not use this product on cats.

Approved by FDA under ANADA # 200-716

Six 2.5 mL Applicators

Heartworm

Microfilaria

Fleas

Hookworm

Roundworm

Whipworm

Sarcoptic Mange

6

PACK

2.5 mL

APPLICATORS

Norbrook®

Once-A-Month Topical Solution

- Prevention of heartworm disease
- Treatment of flea/lice/mites (including mitecides)
- Kills adult fleas and is indicated for the treatment of flea infestations
- Treatment and control of hookworms, roundworms, and whipworms
- Treatment and control of sarcoptic mange
- For dogs and puppies 7 weeks of age and older and 20.1 to 55 lbs.

HUMAN WARNINGS:

- Not for human use. Keep out of reach of children.
- Children should not come in contact with application sites on the dog for two (2) hours after application.
- Wash hands thoroughly with soap and warm water after handling.
- For complete Human Warnings, see back of carton.

DOSE AND ADMINISTRATION:

The recommended minimum dose is 4.5 mg/lb (10 mg/kg) imidacloprid and 1.1 mg/lb (2.5 mg/kg) moxidectin, once a month, by topical administration.

Do not apply to irritated skin.

- Remove the applicator from the water pouch using scissors or fold along diagonal line to expose neck, tear back at neck.
- Hold the applicator upright.
- Tap the narrow part of the applicator to ensure the contents remain within the main body of the applicator.
- Twist or snap back the tip.

5. The dog should be standing for application. Part the hair on the back of the dog between the shoulder blades until the skin is visible. For dogs weighing 20 lbs. or less, place the tip of the applicator on the skin and apply the entire contents directly on the exposed skin at one spot between the shoulder blades. For dogs weighing more than 20 lbs., place the tip of the applicator on the skin and apply the entire contents directly on the exposed skin at 3 or 4 spots on the top of the backside from the base of the neck to the upper back in an area inaccessible to licking. Do not apply an amount of solution at any one location that could run off the side of the dog.

Do not let this product get in your dog's mouth or eyes.

Do not allow the dog to lick any of the application sites for 30 minutes.

To avoid side effects with multiple pets, keep each treated dog separated from other treated dogs and other pets for 30 minutes after application to prevent licking the application sites. (See WARNINGS.) Contact with eyes can lead to eye irritation and corneal ulceration. If contact with eyes occurs, hold the dog's eyelid open, flush thoroughly with water, and contact your veterinarian.

For dogs and puppies 7 weeks and older and 20.1 – 55 lbs.

6 PACK

Midamox® for Dogs 55
(imidacloprid + moxidectin)
Topical Solution

DO NOT ADMINISTER THIS PRODUCT ORALLY.

421M3702
Rev. July 2023

20.1-55 lbs

Midamox® for Dogs
(imidacloprid + moxidectin)
Topical Solution

- Heartworm ✓
- Microfilaria ✓
- Fleas ✓
- Hookworm ✓
- Roundworm ✓
- Whipworm ✓
- Sarcoptic Mange ✓

6 PACK

2.5 mL APPLICATORS

Norbrook

Midamox® for Dogs 55
(imidacloprid + moxidectin)
Topical Solution

5 023534 034803 >

SEE PACKAGE INSERT FOR COMPLETE PRODUCT INFORMATION

* Contains 6 single dose applicators
* Convenient, easy to apply

Midamox® for Dogs 55
(imidacloprid + moxidectin)
Topical Solution

For dogs and puppies 7 weeks and older and 20.1 – 55 lbs.

CONTRAINDICATIONS:
Do not administer this product orally. (See WARNINGS.) Do not use this product containing 2.5% moxidectin on cats.

WARNINGS:
For the first 30 minutes after application, ensure that dogs cannot lick the product from the application sites on themselves or other treated dogs, and separate treated dogs from one another and from other pets to reduce the risk of accidental ingestion. Ingestion of this product by dogs may cause serious adverse reactions, including depression, salivation, ataxia, ataxia, incoordination, panting, and generalized muscle tremors.

In severe to critical dogs, this sign may be more severe and may include coma and death.*

* Some dogs are more sensitive to moxidectin due to a mutation in the MDR1 gene. Dogs with this mutation may develop signs of severe neurotoxicity if they ingest this product. The most common breeds associated with the mutation include Collies and Shelties.

* Although there is no specific antidote for neurotoxicity, some severely affected dogs have completely responded to supportive care with intravenous fluids and supportive care.

HUMAN WARNINGS:
Not for human use. Keep out of reach of children. Children should not come in contact with application sites for two (2) hours after application. Causes irritation, dermatitis, and rash. Do not get in eyes or on clothing. Avoid contact with skin. Ingestion of the product can be expected to cause headache, dizziness and nausea, burning, tingling or numbness of the skin. Wash hands thoroughly with soap and warm water after handling.

If contact with eyes occurs, hold eyelid open and flush with appropriate amount of water for 15 minutes. Eye irritation, burning or stinging, contact a physician.

If swallowed, call poison control center or physician immediately for treatment advice. Do not pump or a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or physician. Pregnant or lactating women should avoid the product unless advised by their doctor, contact a physician.

For contact with the skin a bathing solution, take off contaminated clothing. Wash skin immediately with plenty of soap and water. Call poison control center or physician for treatment advice.

The Safety Data Sheet (SDS) provides additional occupational safety information. For product questions, to report adverse reactions, or for a copy of the Safety Data Sheet (SDS), call Norbrook at 1-800-991-5777.

PRECAUTIONS:
Do not disperse dose application without complete safety and decontamination information. For information on risk, administration, and underweight animals.

The safety of Midamox for Dogs has not been established in breeding, pregnant, or lactating dogs. The safety of Midamox for Dogs has not been established in pregnant and lactating dogs less than 7 weeks of age or less than 20 lbs. body weight.

Do not administer Midamox for Dogs to dogs that are to be bred for breeding four months following treatment. If the duration of the estrus phase, which dogs should be treated with it, is more than 4 months, Midamox for Dogs is not effective against adult 2 months. Although the number of circulating microfilariae is substantially reduced in most dogs following treatment with Midamox for Dogs, the microfilariae count is lower before the microfilariae die in a serum and longer following treatment with Midamox for Dogs due to the dose response with auto-cannibalistic microfilariae. (See Product Insert: **EMMA SURE™ Safety Study in Heartworm Positive Dogs for Details.**)

STORAGE:
Store below 75° F (23° C). Excursions are permitted up to 86° F (30° C); however, such excursions should be avoided. Do not freeze the applicator from the pouch and do not thaw.

Manufactured by
Norbrook Manufacturing Ltd.
Business Park, 10000
Loughgan, Co. Monaghan
Ireland
www.norbrook.com
Made in Ireland

NORBR400 - 80 x 100 x 133mm

MIDAMOX FOR DOGS

imidacloprid and moxidectin solution

Product Information

Product Type	PRESCRIPTION ANIMAL DRUG	Item Code (Source)	NDC:55529-162
Route of Administration	TOPICAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
imidacloprid (UNII: 3BN7M937V8) (imidacloprid - UNII:3BN7M937V8)	imidacloprid	100 mg in 1 mL
moxidectin (UNII: NGU5H31YO9) (moxidectin - UNII:NGU5H31YO9)	moxidectin	25 mg in 1 mL

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:55529-162-42	6 in 1 CARTON		
1		0.4 mL in 1 APPLICATOR		
2	NDC:55529-162-46	6 in 1 CARTON		
2		1.0 mL in 1 APPLICATOR		
3	NDC:55529-162-48	6 in 1 CARTON		
3		2.5 mL in 1 APPLICATOR		
4	NDC:55529-162-50	6 in 1 CARTON		
4		4.0 mL in 1 APPLICATOR		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANADA	ANADA200716	03/07/2022	

Labeler - Norbrook Laboratories Limited (214580029)

Establishment

Name	Address	ID/FEI	Business Operations
Norbrook Manufacturing Ltd		986217040	MANUFACTURE, PACK, LABEL, ANALYSIS

Establishment

Name	Address	ID/FEI	Business Operations
Norbrook Laboratories Limited		211218325	ANALYSIS

Revised: 10/2013

Norbrook Laboratories Limited