

Date of Approval: June 10, 2021

# CORRECTED FREEDOM OF INFORMATION SUMMARY

ORIGINAL ABBREVIATED NEW ANIMAL DRUG APPLICATION

ANADA 200-700

PARASEDGE™ Multi for Dogs

(imidacloprid + moxidectin)

Topical Solution

Dogs

PARASEDGE™ Multi 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. PARASEDGE™ Multi for Dogs kills adult fleas and is indicated for the treatment of flea infestations (*Ctenocephalides felis*). PARASEDGE™ Multi for Dogs is indicated for the treatment and control of sarcoptic mange caused by *Sarcoptes scabiei* var. *canis*. PARASEDGE™ Multi for Dogs is also indicated for the treatment and control of the following intestinal parasites: adult, immature adult and fourth stage larvae in hookworm species (*Ancylostoma caninum* and *Uncinaria stenocephala*); adult and fourth stage larvae in roundworm species (*Toxocara canis*); and adult stage in roundworm species (*Toxascaris leonina*) and whipworm (*Trichuris vulpis*).

Sponsored by:

Chanelle Pharmaceuticals Manufacturing Ltd.

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**I. GENERAL INFORMATION**

**A. File Number**

ANADA 200-700

**B. Sponsor**

Chanelle Pharmaceuticals Manufacturing Ltd.  
Loughrea, County Galway, Ireland

Drug Labeler Code: 061651

U.S. Agent Name and Address:  
Dr. James H. Schafer  
Schafer Veterinary Consultants, LLC  
800 Helena Court  
Fort Collins, CO 80524

**C. Proprietary Name**

PARASEDGE™ Multi for Dogs

**D. Drug Product Established Name**

imidacloprid + moxidectin

**E. Pharmacological Category**

Antiparasitic

**F. Dosage Form**

Topical solution

**G. Amount of Active Ingredient**

100 mg/mL (10%) imidacloprid and 25 mg/mL (2.5%) moxidectin

**H. How Supplied**

0.4 mL, 1.0 mL, 2.5 mL, 4.0 mL, and 5.0 mL applicator tubes. Each package contains three applicator tubes.

**I. Dispensing Status**

Prescription (Rx)

**J. Dosage Regimen**

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. As specified in the following table, administer the entire contents of the PARASEDGE™ Multi for Dogs (imidacloprid + moxidectin) tube that correctly corresponds with the body weight of the dog.

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

\*Dogs over 110 lbs. should be treated with the appropriate combination of PARASEDGE™ Multi for Dogs tubes.

**K. Route of Administration**

Topical

**L. Species/Class**

Dogs

**M. Indications**

PARASEDGE™ Multi 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. PARASEDGE™ Multi for Dogs kills adult fleas and is indicated for the treatment of flea infestations (*Ctenocephalides felis*). PARASEDGE™ Multi for Dogs is indicated for the treatment and control of sarcoptic mange caused by *Sarcoptes scabiei* var. *canis*. PARASEDGE™ Multi for Dogs is also indicated for the treatment and control of the following intestinal parasites: adult, immature adult and fourth stage larvae in hookworm species (*Ancylostoma caninum* and *Uncinaria stenocephala*); adult and fourth stage larvae in roundworm species (*Toxocara canis*); and adult stage in roundworm species (*Toxascaris leonina*) and whipworm (*Trichuris vulpis*).

**N. Reference Listed New Animal Drug (RLNAD)**

Advantage Multi™ for Dogs; imidacloprid + moxidectin; NADA 141-251; Elanco US Inc.

**II. BIOEQUIVALENCE**

The Federal Food, Drug, and Cosmetic Act (FD&C Act), as amended by the Generic Animal Drug and Patent Term Restoration Act (GADPTR) of 1988, allows for an abbreviated new animal drug application (ANADA) to be submitted for a generic version of an approved new animal drug (RLNAD). The ANADA sponsor is required to show that the generic product is bioequivalent to the RLNAD, which has been shown to be safe and effective. Effectiveness, target animal safety and human food safety data (other than tissue residue data) are not required for approval of an ANADA. If bioequivalence is demonstrated through a clinical endpoint study in a food-producing animal, then a tissue residue study to establish the withdrawal period for the generic

product is also required. For certain dosage forms, the agency will grant a waiver from the requirement to perform *in vivo* bioequivalence studies (biowaiver) (55 FR 24645, June 18, 1990; Fifth GADPTRA Policy Letter; Bioequivalence Guideline, October 9, 2002).

Based on the formulation characteristics of the generic product Chanelle Pharmaceuticals Manufacturing Ltd., was granted a biowaiver for the generic product PARASEDGE™ Multi for Dogs (imidacloprid + moxidectin) Topical Solution. The generic drug product is a solution, contains the same active ingredient in the same concentration and dosage form as the RLNAD, and contains no inactive ingredients that may significantly affect the bioavailability of the active ingredient. The RLNAD is Advantage Multi™ for Dogs (imidacloprid + moxidectin) Topical Solution, sponsored by Elanco US Inc., under NADA 141-251, and was approved for use in dogs on December 20, 2006.

### **III. HUMAN FOOD SAFETY**

This drug is intended for use in dogs. Because this new animal drug is not intended for use in food-producing animals, CVM did not require data pertaining to drug residues in food (i.e., human food safety) for approval of this ANADA.

### **IV. USER SAFETY**

The product labeling contains the following information regarding safety to humans handling, administering, or exposed to PARASEDGE™ Multi for Dogs:

**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. To report suspected adverse drug events, for technical assistance or to obtain a copy of the SDS, contact Virbac AH, Inc. at 1-800-338-3659 or [us.virbac.com](http://us.virbac.com). For additional information about adverse drug experience reporting for animal drugs, contact FDA at 1-888-FDA-VETS or online at [www.fda.gov/reportanimalae](http://www.fda.gov/reportanimalae).

## V. AGENCY CONCLUSIONS

The data submitted in support of this ANADA satisfy the requirements of section 512(c)(2) of the FD&C Act. The data demonstrate that PARASEDGE™ Multi for Dogs, when used according to the label, is safe and effective for the indications listed in Section I.M. above.

## VI. APPENDIX

June 10, 2021 – The text in the General Information section under H. "How Supplied," was originally published: "0.4 mL, 1.0 mL, 2.5 mL, 4.0 mL, and 5.0 mL applicator tubes. Each package contains six applicator tubes." The cover page and the "Indications" in section M under General Information read: "PARASEDGE™ Multi 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. PARASEDGE™ Multi for Dogs kills adult fleas and is indicated for the treatment of flea infestations (*Ctenocephalides felis*). PARASEDGE™ Multi for Dogs is indicated for the treatment and control of sarcoptic mange caused by *Sarcoptes scabiei* var. *canis*. PARASEDGE™ Multi for Dogs is also indicated for the treatment and control of the following intestinal parasites: adult, immature adult, and fourth stage larvae in hookworms (*Ancylostoma caninum* and *Uncinaria stenocephala*); and adult stage in roundworms (*Toxocara canis* and *Toxascaris leonina*) and whipworms (*Trichuris vulpis*)."

November 17, 2021 – A correction was made to the General Information section under H. "How Supplied," for the number of applicator tubes contained in each package. The revised text reads: "0.4 mL, 1.0 mL, 2.5 mL, 4.0 mL, and 5.0 mL applicator tubes. Each package contains three applicator tubes." The indications were corrected for both the cover page and section M "Indications" under General Information to read: "PARASEDGE™ Multi 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. PARASEDGE™ Multi for Dogs kills adult fleas and is indicated for the treatment of flea infestations (*Ctenocephalides felis*). PARASEDGE™ Multi for Dogs is indicated for the treatment and control of sarcoptic mange caused by *Sarcoptes scabiei* var. *canis*. PARASEDGE™ Multi for Dogs is also indicated for the treatment and control of the following intestinal parasites: adult, immature adult and fourth stage larvae in hookworm species (*Ancylostoma caninum* and *Uncinaria stenocephala*); adult and fourth stage larvae in roundworm species (*Toxocara canis*); and adult stage in roundworm species (*Toxascaris leonina*) and whipworm (*Trichuris vulpis*)."