

DIN 02279002

# Equell®

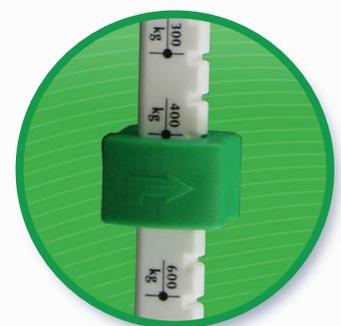
ivermectin 1.87% w/w



Curved finger grip and shorter barrel allow secure handling by even the smallest hands.



Large wing-cap for quick, single handed removal.



Sturdy, lockable adjuster ensures accuracy of dosing. Large-print dosing scale on both sides for right-handed or left-handed use.

## Why Equell® Paste?

EQUELL Oral Paste for horses contains ivermectin, a unique broad-spectrum antiparasitic. Its convenience, broad-spectrum efficacy and wide safety margin make it an excellent antiparasitic product for horses.

- Contains proven ivermectin anthelmintic and boticide
- Broad spectrum activity against a wide range of debilitating and performance robbing parasites
- Proven safe in horses of all ages, including mares at any stage of pregnancy.

See reverse for complete Indications, Directions and Warnings.

For more information contact:



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ivermectin

Oral paste for horses

Veterinary Use Only

DIN 02279002

For the treatment of parasitic infections due to internal parasites, including bots, in horses.

**ACTIVE INGREDIENT:** Ivermectin 1.87% w/w

**INTRODUCTION:** EQUELL Oral Paste for horses contains ivermectin, a unique broad-spectrum antiparasitic. Its convenience, broad-spectrum efficacy and wide safety margin make it an excellent antiparasitic product for horses.

**PRODUCT DESCRIPTION:** EQUELL Oral Paste is a clean, white, homogeneous, ready-to-use paste contained in a disposable plastic syringe.

**INDICATIONS:** EQUELL Oral Paste is indicated for the treatment of the following parasitic infections in horses:

**Large strongyles:** adult and arterial stages of *Strongylus vulgaris*, and adult stage of *S. edentatus*, *S. equinus* and *Triodontophorus* spp.

**Small strongyles** (including those resistant to certain benzimidazole class compounds): adult and luminal larval (L<sub>3</sub>, L<sub>4</sub>) stages of *Cyathostomum* spp., *Cylicocyclus* spp., *Cylicostephanus* spp., *Cylicodontophorus* spp.

**Intestinal threadworms:** adult stage of *Strongyloides westeri*.

**Pinworms:** adults and luminal larval (L<sub>3</sub>) stages of *Oxyuris equi*.

**Ascarids:** adults and developing larval (L<sub>3</sub>, L<sub>4</sub>) stages of *Parascaris equorum*.

**Hairworms:** adult stage of *Trichostrongylus axei*.

**Large-mouth stomach worms:** adult stage of *Habronema muscae*.

**Neck threadworms:** microfilariae of *Onchocerca cervicalis*.

**Bots:** oral and gastric stages of *Gasterophilus intestinalis* and *G. nasalis*.

EQUELL Oral Paste is also indicated as an aid in the clinical improvement of dermatoses caused by cutaneous larvae of *Habronema* spp., *Draschia megastoma*, and microfilariae of *Onchocerca cervicalis*. **Note to user** – Healing of “Summer sores” caused by *Habronema* spp. and *Draschia megastoma* and involving extensive tissue changes may require other appropriate therapy in conjunction with treatment with EQUELL Oral Paste. Reinfection, and measures for its prevention, should also be considered. Consult your veterinarian if the condition does not improve.

**DOSAGE:** This syringe contains sufficient paste to treat one 600 kg horse at the recommended dose rate of 200 µg ivermectin/kg body weight. Each weight marking on the syringe plunger delivers enough paste to treat 100 kg body weight.

**ADMINISTRATION:** EQUELL Oral Paste is administered orally. (1) While holding plunger, turn the knurled ring on the plunger 1/4 turn to the left and slide it so the side nearest the barrel is at the prescribed weight marking. (2) Lock the ring in place by making a 1/4 turn to the right. (3) Make sure that the horse’s mouth contains no feed. (4) Remove the cover from the tip of the syringe. (5) Insert the syringe tip into the horse’s mouth at the space between the teeth. (6) Depress the plunger as far as it will go, depositing paste on the back of the tongue. (7) Immediately raise the horse’s head for a few seconds after dosing.

**MODE OF ACTION:** Ivermectin is a member of the macrocyclic lactone class of endectocides which have a unique mode of action. Compounds of the class binds selectively and with high affinity to glutamate-gated-chloride ion channel which occur in invertebrate nerve and muscle cells. This leads to the increase of the permeability in the cell membrane to chloride ion with hyperpolarization of the nerve and muscle cells, resulting in paralysis and death of the parasite. Compounds of this class may also interact with other ligand-gated-chloride channels, such as those gated by neurotransmitter gamma aminobutyric acid (GABA). Ivermectin has no measurable effect against flukes and tapeworms, presumably because they do not have GABA as a nerve impulse transmitter.

The margin of safety for compounds of this class is attributable to the fact that mammals do not have glutamate-gated-chloride ion channels, macrocyclic lactones have a low affinity for other mammalian ligand-gated channels and they do not readily cross the blood brain barrier.

**PRODUCT ADVANTAGES:**

**Broad-spectrum:** EQUELL Oral Paste kills most important internal parasites, including bots and the arterial stages of *S. vulgaris*, with a single dose.

**Unique chemical compound:** EQUELL Oral Paste contains a potent antiparasitic agent that is neither a benzimidazole nor an organophosphate.

**SUGGESTED PARASITE CONTROL PROGRAM:** All horses should be included in a regular parasite control program. Foals should be treated early in order to promote a healthy growth and routine treatment repeated as appropriate. EQUELL Oral Paste effectively treats infections due to gastrointestinal nematodes and bots in horses. Regular treatment with EQUELL Oral Paste will reduce the chances of verminous arteritis caused by *Strongylus vulgaris*. The program should be designed to accommodate the needs of horses and their specific husbandry conditions. If there is a high risk of re-infection with *P. equorum*, foals should be treated at 6 – 8 week intervals. With its broad spectrum, EQUELL Oral Paste is well suited to be the major product in a parasite control program. Consult your veterinarian for parasitic control programs to meet your specific needs.

**WARNING:** This drug must not be administered to horses that are to be slaughtered for use in food. Refrain from smoking and eating when handling. Wash hands after use. Avoid contact with eyes. Keep out of the reach of children.

**ENVIRONMENTAL SAFETY:** Studies indicate that when ivermectin comes in contact with the soil, it readily and tightly binds to the soil and becomes inactive. Drug containers and any residual contents should be disposed of safely (e.g., by burying or incinerating) as free ivermectin may adversely affect fish or certain waterborne organisms.

**CAUTION:**

1. Some horses have experienced reactions with swelling and itching shortly after treatment. In most such cases, the horses have been diagnosed as carrying heavy infections of *Onchocerca* microfilariae, and it is assumed that the reactions were the results of microfilariae dying in large numbers. Although the signs have resolved spontaneously in a few days, symptomatic treatment may be advisable. Consult your veterinarian should these symptoms persist.
2. Reasonable care should be taken in the handling of sick or debilitated animals.
3. EQUELL Oral Paste has been formulated specifically for use in horses only. This product should not be used in other animal species as severe reactions, including fatalities in dogs, may result.

**PRESENTATION:** EQUELL Oral Paste is available in disposable, plastic adjustable dosage syringes containing 6.42 g of paste.

**STORAGE:** Store below 30°C.

**Distributed by:** Bimeda-MTC Animal Health Inc., Cambridge ON, N3C 2W4

**Manufactured by:** Virbac AH, Inc.

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