# MEBENDAZOLE EQUINOS

**INTERNAL ANTIPARASITIC**

ORAL SUSPENSION

Health Registration No.:3A1-4866-AGROCALIDAD

## Formula:

Each 100 ml contains:

| | |
|---|---|
| Mebendazole | 20 g |
| Excipients q.s. | 100 ml |

## SPECIES AND DOSAGE:



| SPECIES | REFERENCE DOSE | MEBENDAZOLE EQUINES DOSE |
|---|---|---|
| Equines | 10 mg/kg | 5 mL per 100 kg body weight |

**ROUTE OF ADMINISTRATION:** Oral

## INDICATIONS

Anthelmintic with broad spectrum, effective for the treatment and control of internal parasitic infections in horses.

**ROUTE OF ADMINISTRATION:** Oral.

## PHARMACOKINETICS

In monogastric animals, mebendazole is absorbed more efficiently than in ruminants following oral administration and undergoes enterohepatic circulation. It reaches its peak concentration after 2 to 4 hours, and this concentration is almost never greater than 1% of the administered dose. It is metabolized to a limited extent, and a large portion is excreted unchanged in the feces after one or two days. About 5–10% is excreted in the urine, and of this portion, only a very small amount (less than 1%) is excreted as a decarboxylated metabolite.

## MECHANISM OF ACTION

Mebendazole differs from most benzimidazoles in its mode of action, as it does not inhibit fumarate reductase. It exerts its effect by blocking the uptake of glucose by the parasite, resulting in a decrease in glycogen and ATP. In addition, it induces tubulin disorganization. The disintegration of microtubules in Ascaris suum exposed to mebendazole has been observed. Elimination of the parasite is relatively slow and occurs one or two days after drug administration.

## PRECAUTIONS – WARNINGS - CONTRAINDICATIONS

Do not administer during the first trimester of pregnancy.

## DRUG INTERACTIONS

May be used in combination with pyrantel pamoate and carbamazine, thereby broadening its spectrum of activity; this combination is also effective against Toxacara sp.

## ADVERSE REACTIONS

None reported at therapeutic doses.

## WITHDRAWAL

Do not Administer to horses intended for human consumption.

## COMMERCIAL PRESENTATIONS

20-ml syringe