Albendazole, HRP conjugate

DAG1016

Lot. No. (See product label)

PRODUCT INFORMATION

Product overview	Albendazole, HRP conjugate
Antigen Description	Anthelmintics or anti-helminthics are a class of drugs that are effective against a range of intestinal parasitic worms (helminths). Parasitic helminths must maintain an appropriate feeding site. Nematodes and trematodes must actively ingest and move food through their digestive tracts to maintain an appropriate energy state; these together with reproductive processes require a well defined and developed neuromuscular coordination. Anthelmintic treatment is a multi-targeting system designed to interfere with the integrity of parasite cells. The pharmacologic basis of the treatment for helminths involves the targeting of neuromuscular coordination, or protective mechanisms against host immunity, which lead to starvation, paralysis, and expulsion of the parasite. The benzimidazole class of drugs were introduced in 1961 and interfere with the parasite's ATP pathway on a cellular level. They bind to a specific building block called b-tubulin and prevent its incorporation into certain cellular structures called microtubules, which are essential for energy metabolism.
Source	Anti-Parasitic Drugs
Conjugate	HRP
Form	concentrate
Characteristic	Each conjugate comprises antigen covalently bound to horseradish peroxide and is suitable as a tracer in immunoassay development

PACKAGING

Storage	Can be stored at 2-8°C for up to 3 months and at -20°C for longer term storage.

BACKGROUND

Introduction	Albendazole, marketed as Albenza, Eskazole, Zentel, Andazol and Alworm, is a member of the benzimidazole compounds used as a drug indicated for the treatment of a variety of worm infestations. Although this use is widespread in the United States, the U.S. Food and Drug Administration (FDA) has not approved albendazole for this indication. It is marketed by Amedra Pharmaceuticals. Albendazole was first discovered at the SmithKline Animal Health Laboratories in 1972. It is a broad spectrum anthelmintic, effective against: roundworms, tapeworms, and flukes of domestic animals and humans.
Keywords	Albendazole; Albenza; Eskazole; Zentel; Andazol; Alworm; Azbendazole; Bilutac; Albamelin; Methyl [6 -(propylthio)-1H-benzoimidazol-1-yl]carbamate

REFERENCES

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