



Heartworm (BCI-167): sc-57777

BACKGROUND

Heartworm is a parasitic roundworm that is spread from host to host through the bites of mosquitoes. A mosquito ingests heartworm larvae, called microfilariae, from an infected host. The mosquito then transfers the larvae to another uninfected host when next it feeds. The microfilariae then go through several changes to reach adult form, eventually traveling to the right side of the heart to reproduce. In the final reproductive stage of their life cycle, Heartworms can reach up to 12 inches in length and reside in the heart of its host where they may stay for many years, commonly killing the host. Early symptoms in dogs include a cough, especially on exercise, and early exhaustion upon exercise. More advanced cases progress to severe weight loss, fainting, coughing up blood and, finally, congestive heart failure leading to death.

REFERENCES

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SOURCE

Heartworm (BCI-167) is a mouse monoclonal antibody raised against *Dirofilaria immitis*.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PRODUCT

Each vial contains 100 µg IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Heartworm (BCI-167) is recommended for detection of Heartworm of *Dirofilaria immitis* origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000); non cross-reactive with *Toxocara canis* and *Dipectalonus reconditum*.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.