

3. Title: The Metabolism of Microfilaria (Dirofilaria immitis).

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Period of Report: 1 April 1968—31 March 1969

OBJECTIVE

The objective of this study is to acquire basic biochemical information on microfilaria.

METHODS

The biochemical processes present in microfilaria are being investigated using isotopic, spectrophotometric, and respirometric methodologies.

PROGRESS

Cell-free extracts of the microfilarial form of Dirofilaria immitis have been shown to contain the following enzymatic activities: lactic acid dehydrogenase, glutamic acid dehydrogenase, glucose-6-Phosphate dehydrogenase, and Kreb's cycle.

This work has been organized in a manuscript:

Some metabolic processes in the microfilarial form of Dirofilaria immitis. B.W. Langer, Jr., and D. Jiampermpoon. Submitted to Journal of Parasitology.