PRODUCTION AND CHARACTERIZATION OF MONOCLONAL ANTIBODIES TO *ANOPHELES TESSELLATUS* MIDGUT

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Abstract: The production of monoclonal antibodies (Mabs) against antigen derived from the midgut of *Anopheles tessellatus* is described. Three cloned Mabs examined were found to be directed against conformational epitopes on midgut antigens. Ingestion of these Mabs in a bloodmeal did not affect mosquito mortality or fecundity. The intake of the Mabs, when compared to normal mouse IgG, with a bloodmeal containing *Plasmodium vivax* gametocytes did not reduce the susceptibility of the mosquito to parasite infection.

Key words: *Anopheles tessellatus*, conformational epitopes, monoclonal anti-