

REPORT FROM EVANDRO CHAGAS INSTITUTE, FOUNDATION SESP
66.000 - BELÉM-PARÁ, BRAZIL

Isolation of Yellow Fever virus from Haemagogus
(Hag.) albomaculatus Theobald in Brazil.

An epidemic of Yellow Fever(YF) occurred in the lower Amazon Basin during the first half of 1984.

Entomological and epidemiological surveys have been conducted in four of the localities where human infections of YF virus occurred (Travassos da Rosa, A.P.A. et al., Bol. Epidemiol. F.SESP., in press). In the absence of the urban YF virus, vector Aedes aegypti, entomological studies were limited to the collection of sylvatic mosquitoes for attempted virus isolation. Collections were made from man and with C.D.C. light-traps in both the canopy and at ground level.

During one of these surveys, in Monte Alegre county(29 00'30"S; 54º 04' 18" W), 12.614 mosquitoes were collected between 4th and 16th May, 1984. Two strains of YF virus were isolated from Haemagogus (Hag.) albomaculatus and one from a pool of Hg. albomaculatus and Hg. janthinomys.

The main interest of these isolations is the first involvement of Hg. albomaculatus as a potential YF virus vector.

Ecological and epidemiological data shows that this species is likely to have played an important role as a vector to the human population in this area.

In addition this report is the first record of Hg.albomaculatus in Brazil.

(J.P. Hervé, A.P.A. Travassos da Rosa, P.F.C. Vasconcelos, J.F.S. Travassos da Rosa and N. Degallier).

Hervé J.P., Travassos da Rosa A.P.A., Vasconcelos P.F.C.,
Travassos da Rosa J.F.S., Dégallier Nicolas

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