In Vitro Evaluation of Antimalarial Drugs Against *P. falciparum*: A Micro Technique

Principal Investigators : Ronald G. Williams, LTC, MC
Ampon Na Nakorn
Edward B. Doberstyn, LTC, MC
Harold C. Boykin, SSG

OBJECTIVE : To monitor chloroquine sensitivity of strains of *P. falciparum*
To evaluate the described "micro" technique of Rieckman (1).

BACKGROUND : The Department of Medicine has monitored the *in vitro* susceptibility of *P. falciparum* to chloroquine in areas where *in vivo* drug testing has been done.

METHODS : The techniques used are unchanged to those used and reported in the last Annual Report (2).

RESULTS : During the period November 1978 to July 1979, for logistical and technical reasons, no new data were collected. Results to date are in the AFRIMS Annual Report 1977-1978 (2). Since establishment of the field study site in Phrabuddabat Hospital, work on *in vitro* drug testing has been restarted.

REFERENCES :

1. Rieckmann, K.H., and Antunano, F.J.L.: "Chloroquine resistance of Plasmodium falciparum in Brazil detected by a simple in vitro methods", Bull. of Wrld. Hlth. Organ., 45:157-167, 1971.

2. AFRIMS Annual Progress Report, October 1977 to September 1978, pp. 149-152.