

A Survey for Viral Agents Transmitted by  
*Culicoides* in Northern Thailand

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OBJECTIVE : To isolate and identify viral disease agents from *Culicoides* collected in Chiangmai Valley.

BACKGROUND : As previously reported (1), collections of blood sucking midges of the genus *Culicoides* were made in rural villages of the Chiangmai Valley between March and September 1976, with the goal of isolating and identifying arboviruses from pools of midges. This report concludes the study.

METHODS : Pools of *Culicoides mcDowelli* were ground in 1.0 ml of M-199 with 5% fetal calf serum and antibiotics. 0.3 ml aliquots of the pool suspensions were assayed for plaque forming agents in LLC-Mk<sub>2</sub> cells by the direct and delayed plaque techniques.

RESULTS : Twelve pools of *Culicoides mcDowelli* with 76 to 277 midges per pool were assayed. No plaque forming agents were isolated.

REFERENCE :

1. Ratanaworabhan, N., Andre, R.G., Nisalak, A., Scott, R.M. : A Survey for Viral Agents Transmitted by *Culicoides* in Northern Thailand. AFRIMS Annual Report, April 1976 - September 1977. P. 41.