

STUDY REPORTS

2. Title: Surveys of Domestic and Sylvatic Animals for Rabies Virus infections.

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Objective The objective of this study is to determine the prevalence of rabies in sylvatic and domestic animals of Thailand.

Description Sylvatic and domestic animal specimens for these surveys were received from a number of sources. Usually only the heads of survey animals were submitted to the laboratory. However, in the Bangkok rodent survey live rodents were trapped and submitted by the Insect and Rodent Control branch of the Bangkok Municipal Health Department, and observed by laboratory personnel prior to euthanasia. Fluorescent rabies antibody tests were used to make the initial diagnoses and positive results were confirmed by mouse inoculation. One isolate from each species was subjected to serum neutralization tests.

Progress The results of surveys are given in Table 2. There was only one positive specimen among 306 rodents trapped in the city of Bangkok during October, November and December of 1967. Only 1 Bandicoot rat was trapped in this survey. Two positive cases of rabies were diagnosed in a survey of 100 apparently normal stray dogs taken from the municipal dog pound in March, April and May of 1967.

Table 2. Results of Rabies Surveys.

Kind of Animal	Location	Number Examined	Number Positive	% Positive
Dogs	Bangkok	100	2	2.0
Dogs	Sakol Nakorn	21	0	0.0
<u>C. brachyotis</u> (dog-faced bat)	Korat	34	1	2.9
<u>Scotophilus</u> (Common Yellow bat)	Korat	40	1	2.5
Rodents				
<u>R. rajah</u>	Korat	11	0	0.0
<u>R. birdmorei</u>	Korat	1	0	0.0
<u>R. rattus</u>	Korat	1	0	0.0
<u>R. exulans</u>	Bangkok	86	1	1.2
<u>R. norvegicus</u>	Bangkok	163	0	0.0
<u>R. rattus</u>	Bangkok	8	0	0.0
<u>R. rattus</u>	Ko Klet Kaeo	37	0	0.0
<u>B. bengalensis</u>	Bangkok	1	0	0.0
<u>B. indicus</u>	Ko Llet Kaeo	7	0	0.0
<u>Suncus Murinus</u> (House Shrew)	Bangkok	48	0	0.0
<u>Tupia glis</u> (Tree shrew)	Korat	18	0	0.0