

## **SURVEY AND ISOLATION OF PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS (PRRSV) FROM PIG FARM IN CHIANG MAI AND LUMPHUN PROVINCE**

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**Abstract** This research was designed to determine the prevalence of PRRS in pig farms in Chiang Mai and Lamphun province using tissue culture and IPMA technique.

A total of 64 pig farms were randomly selected from Chiang Mai and Lamphun province. Serum samples were collected from not less than 5 pigs from each farm for a total of 481 serum samples. PRRSV were cultured in MARC-145 for 2 passages then coated with SDOW-17 antibody against PRRSV, which was specific to both European and American strain of the virus. Hypotheses tests was conducted using standard error adjusting for sampling weight and clustering by farm. The results showed that 13% of the farms were positive, while 5% of the pig serum were positive. District or province where the farm located, farm size, farm type and pig type were not significantly associated with finding PRRSV at both farm and pig level. *Chiang Mai Veterinary Journal* 2007;5(1):5-16.

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