



# **THESIS**

**EXPRESSION OF RECOMBINANT VP1 PROTEIN OF  
FOOT AND MOUTH DISEASE VIRUS SEROTYPE O  
IN *ESCHERICHIA COLI***

**SIRIPORN VIHOKTO**

**GRADUATE SCHOOL, KASETSART UNIVERSITY**

**2007**

THESIS

EXPRESSION OF RECOMBINANT VP1 PROTEIN OF  
FOOT AND MOUTH DISEASE VIRUS SEROTYPE O  
IN *ESCHERICHIA COLI*

SIRIPORN VIHOKTO

A Thesis Submitted in Partial Fulfillment of  
the Requirements for the Degree of  
Doctor of Philosophy (Agricultural Biotechnology)  
Graduate School, Kasetsart University

2007

## **ACKNOWLEDGMENTS**

I am grateful and very much indebted to my advisor, Associate Professor Dr. Theerapol Sirinarumitr, for his guidance on this research work. I also would like to thank Assistant Professor Dr. Sirirak Chantakru, Assistant Professor Dr. Sirichai Wongnarkpetch and Assistant Professor Dr. Sermsiri Chanprame for their suggestion and comments on my thesis.

I would like to thank the Faculty of Veterinary Medicine, Kasetsart University, Kamphaeng-saen Campus, Nakorn-pathom province, for providing facilities to work on this research.

This thesis is supported by the Center for Agricultural Biotechnology through the fund from Subproject Graduate Study and Research in Agricultural Biotechnology under the Higher Education Development Project, Commission on Higher Education, the Ministry of Education.

Most of all, I am very thankful to my colleagues who share the same laboratory for their comment and assistance.

Last but not least, this work would never been achieved without the encouragement, consistent support, and understanding from my family and my friends. All of them deserve a heartfelt thank.

Siriporn Vihokto

September 2007

