

DEVELOPMENT OF ENZYME IMMUNOASSAY
FOR HUMAN CHORIONIC GONADOTROPIN

PRAKONG SAKORN

A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN
PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF

MASTER OF SCIENCE

IN BIOCHEMISTRY
CHIANG MAI UNIVERSITY

JUNE 1988

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

DEVELOPMENT OF ENZYME IMMUNOASSAY
FOR HUMAN CHORIONIC GONADOTROPIN

PRAKONG SAKORN

THIS THESIS HAS BEEN APPROVED TO BE A PARTIAL
FULFILLMENT OF THE REQUIREMENTS FOR THE
DEGREE OF MASTER OF SCIENCE IN BIOCHEMISTRY

EXAMINING COMMITTEE

.....*M. Suttajit*.....CHAIRMAN

(Associated Professor Dr. Maitree Suttajit)

.....*Vichai Wongchai*.....MEMBER

(Assistant Professor Dr. Vichai Wongchai)

.....*Sukanya Linpisarn*.....MEMBER

(Dr. Sukanya Linpisarn)

.....*Pakorn Thaiyanan*.....MEMBER

(Assistant Professor Pakorn Thaiyanan)

DATE.....*24*.....MONTH.....*JUNE*.....YEAR.....*1987*.....

Acknowledgements

I would like to express my deep appreciation to Dr. Maitree Suttajit, Associated Professor, my advisor, for his valuable advices, great suggestions and constant encouragements throughout this thesis work.

I am also indebt to Dr. Vichai Wongchai, Assistant Professor, Chairman of Department of Biochemistry, Faculty of Medicine, Chiang Mai University, for his provision of laboratory facilities in the experiment, valuable suggestions.

My gratitude was conveyed to Dr.Sukanya Linpisarn, a Senior Scientist of the Research Institute for Health Sciences, Chiang Mai University, and Mr.Prakorn Thaiyanan , Assistant Professor, Department of Clinical Immunology, Faculty of Associated Medical Sciences, Chiang Mai University, for their valuable advices and suggestions.

My appreciation to Dr.Kosin Ammattayakul, Associated Professor Director of the Research Institute for Health Sciences, Chiang Mai University, was also expressed for his valuable advices, suggestions and provision of laboratory facilities.

This work was partially supported by the China Medical Board, New York, USA. To whom, I would like to acknowledge.

My sincere thanks was given to Miss Veerawan Wienravi and Mrs Sittiporn Nomthai, Scientists of Department of Obsteric - Gynaecology, Faculty of Medicine, Chiang Mai University, for the collections of