

TABLE OF CONTENTS

	PAGES
ACKNOWLEDGEMENTS	iii
ENGLISH ABSTRACT	v
THAI ABSTRACT	vii
LIST OF TABLES	xiii
LIST OF FIGURES	xiv
ABBREVIATIONS AND SYMBOLS	xvii
CHAPTER I INTRODUCTION	
1.1 Statement and significance of the problem	1
1.1.1 Thalassemia and hemoglobinopathies	1
1.1.2 Common types and prevalence of thalassemia and hemoglobinopathies commonly found in Thais	2
1.1.3 Laboratory diagnosis of thalassemia and hemoglobinopathies	9
1.1.3.1 Screening techniques for thalassemia and hemoglobinopathies	9
1.1.3.2 Confirmatory method for thalassemia and	15

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hemoglobinopathies	
1.1.4 Silent form of thalassemia	16
1.1.5 Double heterozygous α/β -thalassemia	18
1.2 Literature review	19
1.3 Rationale and hypothesis of the study	19
1.4 Objectives	21
CHAPTER II MATERIALS AND METHODS	
2.1 Materials	23
2.1.1 Chemicals and instruments used in this study are indicated in the appendix	23
2.1.1 Human DNA and blood samples	23
2.2 Methods	23
2.2.1 Study of molecular background of silent α -thalassemia	23
2.2.1.1 phenol/chloroform DNA preparation	23
2.2.1.2 Chelex™ direct DNA extraction	25
2.2.1.3 Detection of <i>Xmn</i> I- γ polymorphism	26
2.2.1.4 Detection of α -thalassemia 2 (3.7-kb and 4.2-kb deletions)	27
2.2.1.5 Detection of α -thalassemia 1 (SEA type)	30
2.2.1.6 Sequencing of α_1 -globin gene and α_2 -globin gene	32
2.2.2 Development of multiplex allele-specific PCR	38

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2.2.2.1 Design of PCR primers	39
2.2.2.2 Optimization of developed multiplex allele-specific PCR	43
2.2.2.3 Determination of double heterozygous state using the developed multiplex allele-specific PCR	49
CHAPTER III RESULTS	
3.1 Study of molecular background of silent α -thalassemia	50
3.1.1 Detection of <i>Xmn</i> I- γ polymorphism	50
3.1.2 Detection of α -thalassemia 2	50
3.1.3 Detection of α -thalassemia 1	54
3.1.4 Sequencing of α_1 -globin gene and α_2 -globin gene	55
3.2 Optimization of multiplex allele-specific PCR for detection of double α/β -thalassemia heterozygote	63
3.2.1 Test of β -globin gene mutation-specific primers newly designed and synthesized	63
3.2.2 Test of α -thalassemia 1 (SEA type)-specific primers newly designed and synthesized	65
3.2.3 Test of multiplex allele-specific PCR	66
3.2.4 Optimization of primers quantities	68
3.2.5 Optimization of concentration of DMSO	71
3.2.6 Optimization of final concentration of $MgCl_2$	71

3.2.7 Optimization of quantities of dNTPs	74
3.2.8 Optimization of target DNA	74
3.2.9 Titration of SEA-2-multiplex primers	77
3.2.10 Validation of final optimized condition	77
2.2.2.3 Determination of double heterozygous state using the developed multiplex allele-specific PCR	81
CHAPTER IV DISCUSSION	84
CHAPTER V CONCLUSION	92
REFERENCES	94
APPENDICES	
Appendix A List of chemicals	106
Appendix B List of instrument	110
Appendix C Reagent preparation	112
CURRICULUM VITAE	118

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LIST OF TABLES

TABLE		PAGES
1.1	Hematological parameters, Hb identification and Hb Bart's level in 18 samples analyzed in this study	22
2.1	β -globin gene primers and α -globin gene primers newly designed for use in the developed allele-specific multiplex PCR	42

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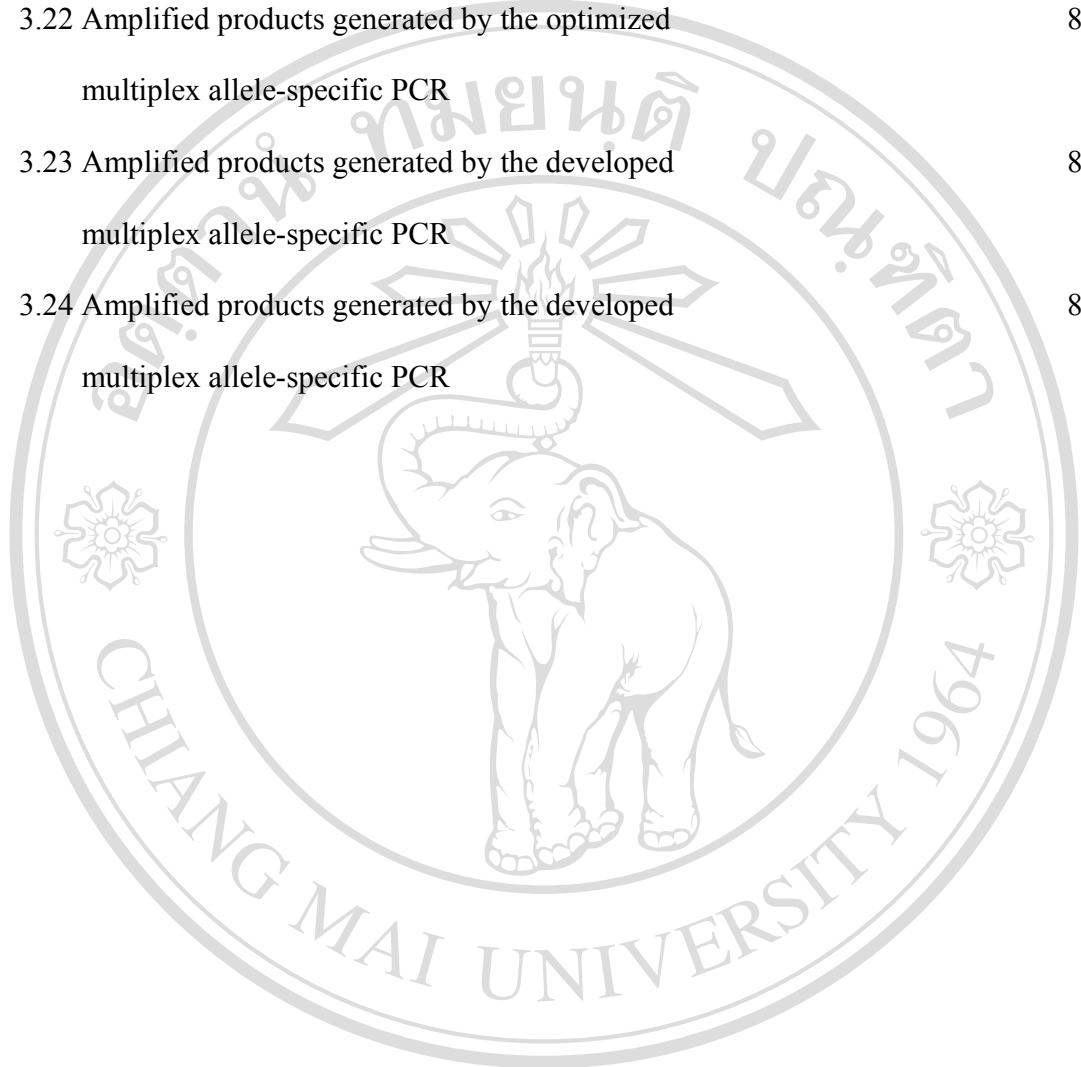
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LIST OF FIGURES

FIGURE	PAGES
2.1 Schematic picture of normal α -globin gene cluster and <i>Xmn</i> I- γ site	27
2.2 Location of primers 3.7A, 3.7B, 4.2C, 4.2D, GI and GII in α -globin gene cluster	29
2.3 Agarose gel electrophoresis of amplified products for identifying the 3.7-kb and 4.2-kb deletions	30
2.4 Locations of primers SEA-1, SEA-2 and SEA-3 on α -globin gene cluster	32
2.5 Locations of PCR primers and sequencing primers on α -globin gene cluster.	34
2.6 Schematic locations of β -globin gene common mutations	40
2.7 Locations of specific primers used in allele-specific multiplex PCR	41
3.1 <i>Xmn</i> I-digested fragments separated on a 1.0% agarose gel	51
3.2 Agarose gel electrophoresis of PCR products for detection of α -thalassemia 2 with 3.7-kb and 4.2-kb deletions	52
3.3 Agarose gel picture of α -thalassemia 1 (SEA type) after Gap-PCR process	54
3.4 Electropherogram showing the intact “A” at ATG initial codon of $\alpha 1$ -globin gene	56
3.5 Electropherogram showing the intact “T” at ATG initial codon of	57

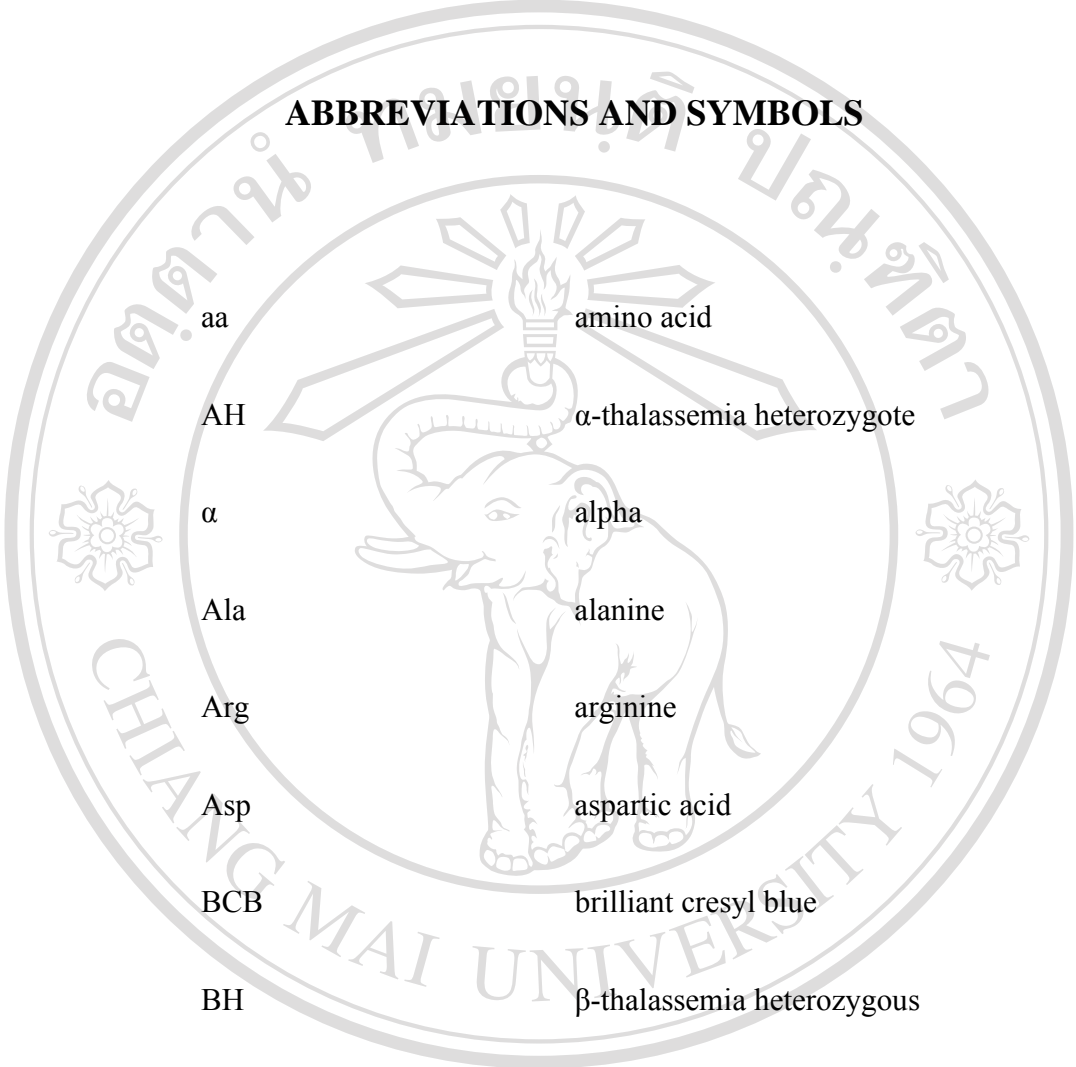
α 2-globin gene	
3.6 Electropherogram showing the intact “TGAGG” at IVS1 of α 2-globin gene	58
3.7 Electropherogram showing the intact “A” at IVS1-nt 116 of α 2-globin gene	59
3.8 Electropherogram showing the intact “T” at CD 109 of α 2-globin gene	60
3.9 Electropherogram showing the intact “A” at CD 142 of α 2-globin gene	61
3.10 Electropherogram showing the intact “T” at CD 142 of α 2-globin gene	62
3.11 Amplified products of three β -globin gene mutation-specific primers	64
3.12 Amplified product of α -thalassemia (SEA type)-specific primers	66
3.13 Amplified product of the first-round multiplex allele-specific PCR	67
3.14 Specific amplified products of multiplex allele-specific PCR	69
3.15 Specific amplified products generated from the multiplex allele-specific PCR	70
3.16 Results of titration for optimal DMSO final concentration	72
3.17 Result of titration for final concentration $MgCl_2$	73
3.18 Results of titration of dNTPs final concentration	75
3.19 Result of titration of amount of Chelex TM -extracted DNA	76
3.20 Result of titration for optimal amount of SEA-2-multiplex primer	78
3.21 Amplified products generated by the optimized multiplex allele-specific PCR	79

3.22 Amplified products generated by the optimized multiplex allele-specific PCR	80
3.23 Amplified products generated by the developed multiplex allele-specific PCR	82
3.24 Amplified products generated by the developed multiplex allele-specific PCR	84



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ABBREVIATIONS AND SYMBOLS



aa	amino acid
AH	α -thalassemia heterozygote
α	alpha
Ala	alanine
Arg	arginine
Asp	aspartic acid
BCB	brilliant cresyl blue
BH	β -thalassemia heterozygous

β	beta
bp	base pairs
CBC	complete blood count
CD	codon
$^{\circ}\text{C}$	degree Celsius

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DCIP	dichlorophenol indophenols
DEAE	diethylaminoethyl
δ	delta
Diag.	diagnosis
DMSO	dimethyl sulfoxide
dNTPs	deoxynucleotide triphosphates
DNA	deoxyribonucleic acid
DW	distilled water
EDTA	ethylenediamine tetraacetic acid
EH	HbE heterozygous
EI	erythrocyte indices

ELISA	enzyme-linked immunosorbent assay
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γ	gamma
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Gln	glutamine
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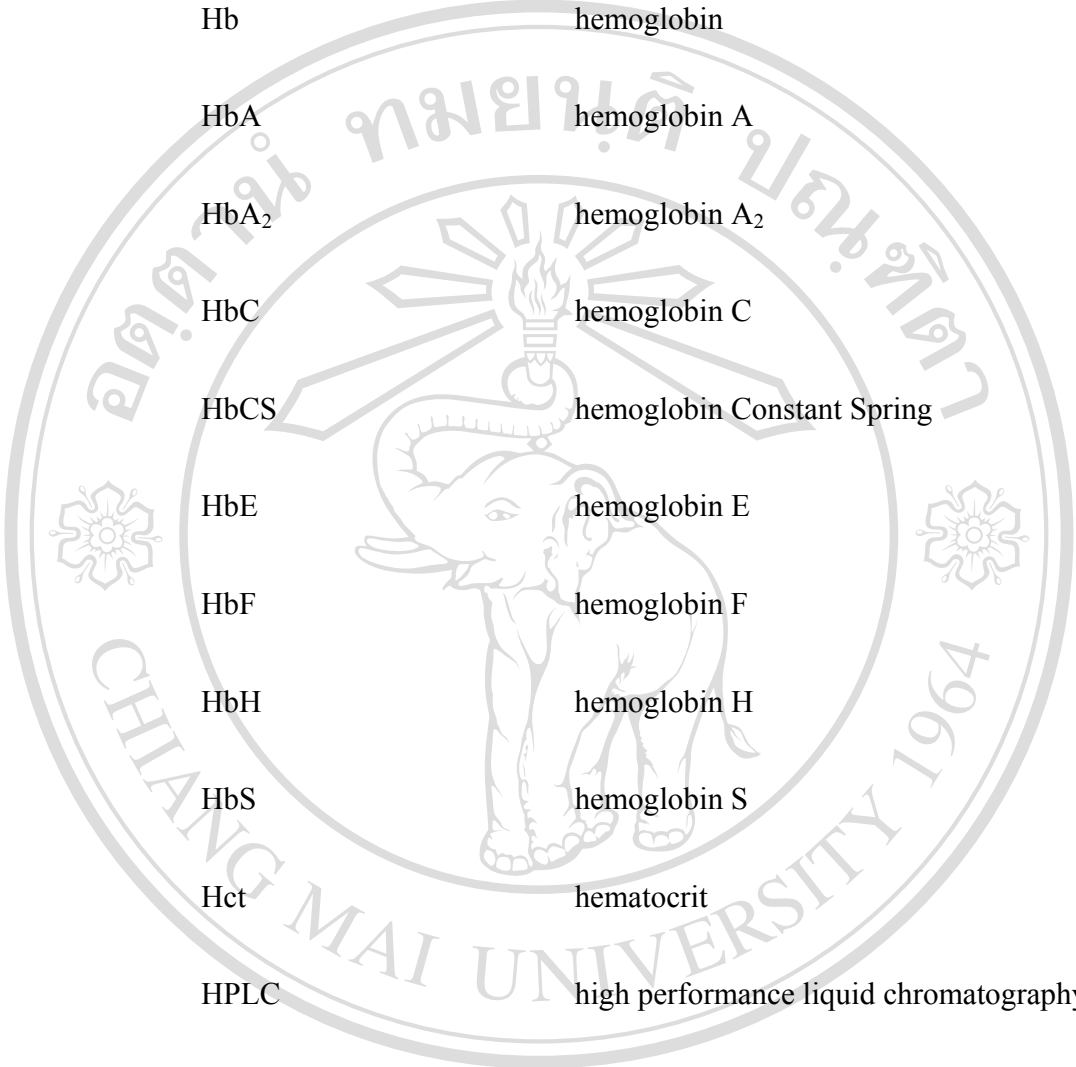
Glu	glutamic acid
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Gly	glycine
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Hb	hemoglobin
HbA	hemoglobin A
HbA ₂	hemoglobin A ₂
HbC	hemoglobin C
HbCS	hemoglobin Constant Spring
HbE	hemoglobin E
HbF	hemoglobin F
HbH	hemoglobin H
HbS	hemoglobin S
Hct	hematocrit
HPLC	high performance liquid chromatography

His histidine

hr hour

IFE isoelectric focusing electrophoresis

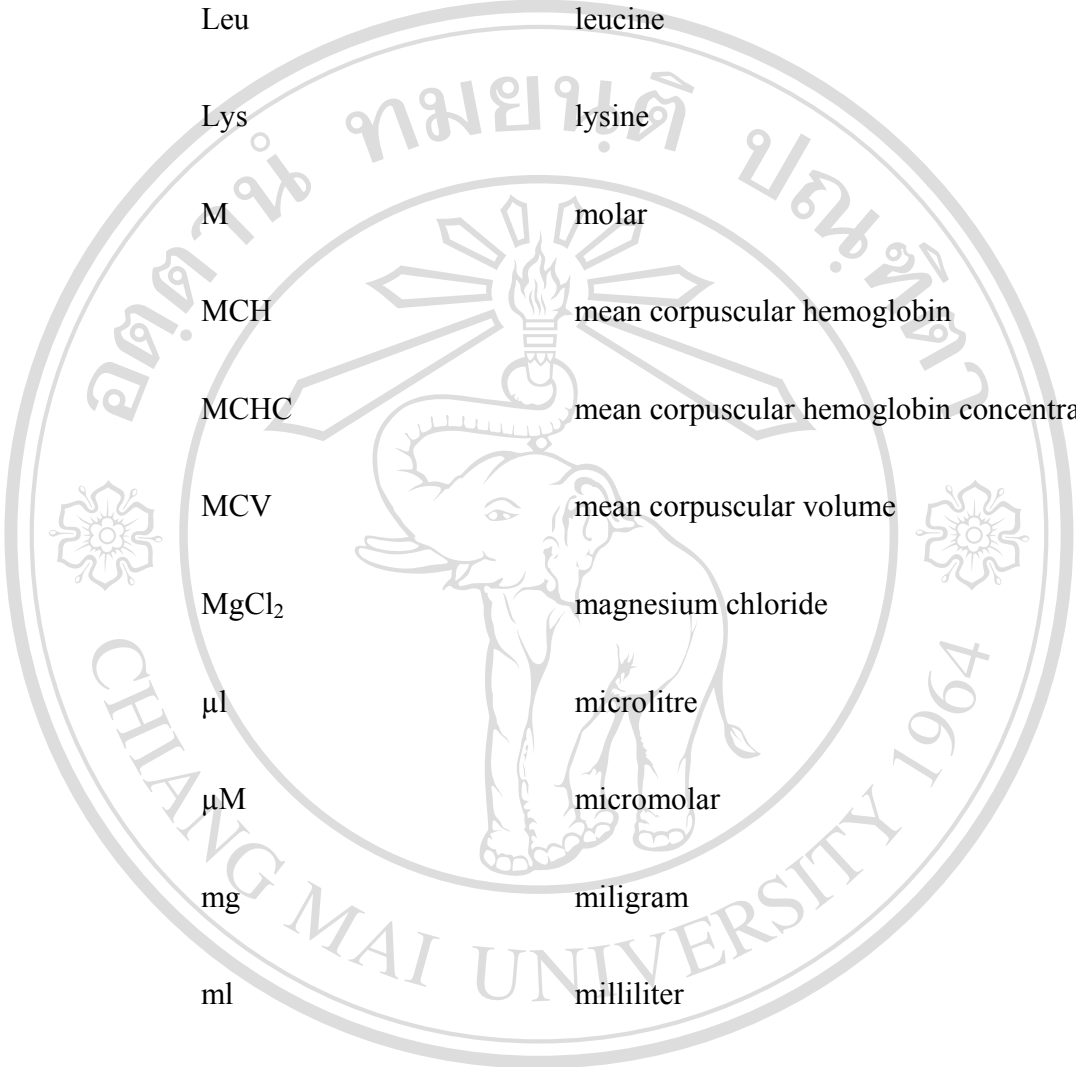
IVS intervening sequence

kb kilobase

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Leu	leucine
Lys	lysine
M	molar
MCH	mean corpuscular hemoglobin
MCHC	mean corpuscular hemoglobin concentration
MCV	mean corpuscular volume
MgCl ₂	magnesium chloride
μl	microlitre
μM	micromolar
mg	miligram
ml	milliliter

mM milimolar

min minute

mRNA messenger ribonucleic acid

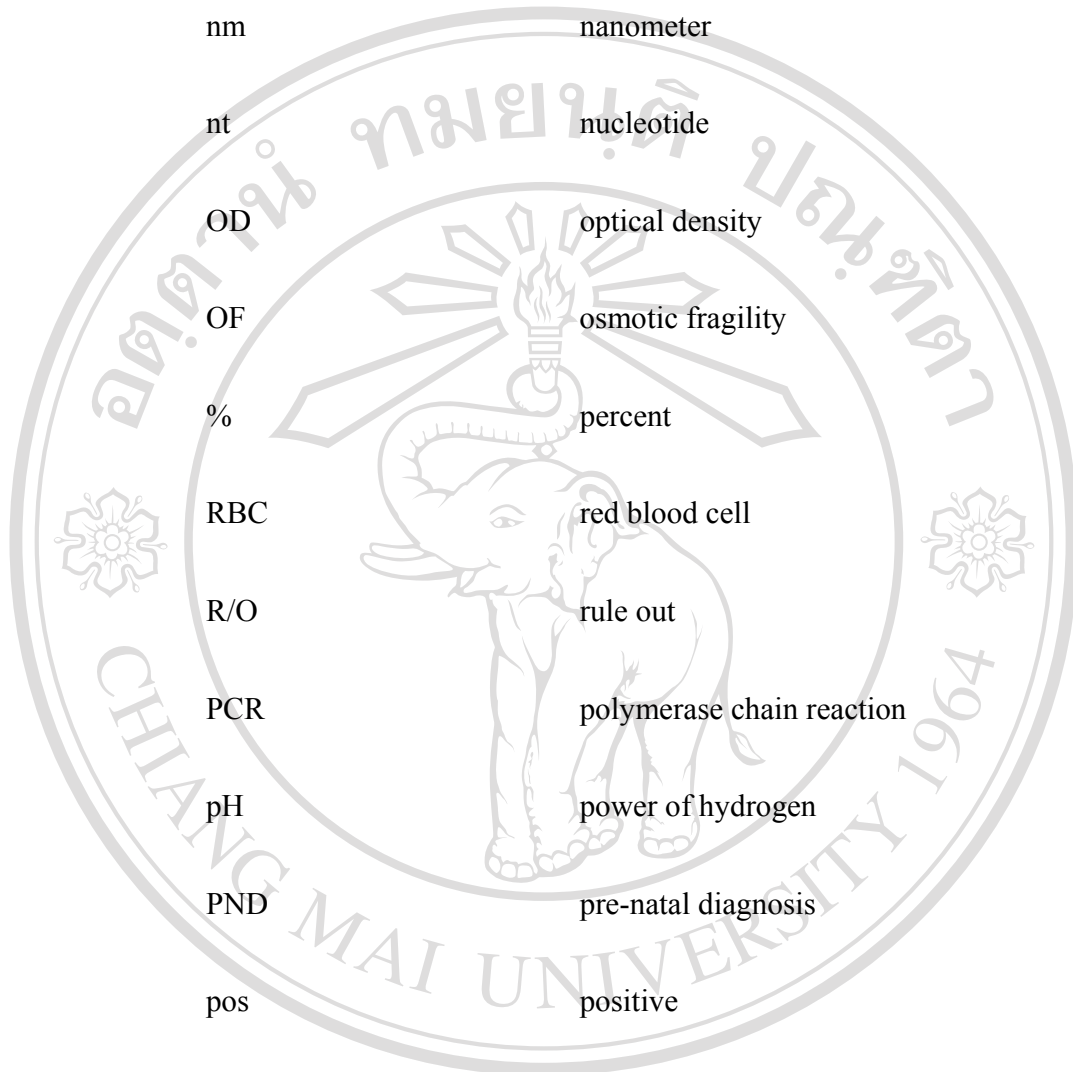
neg negative

ng nanogram

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nm nanometer

nt nucleotide

OD optical density

OF osmotic fragility

% percent

RBC red blood cell

R/O rule out

PCR polymerase chain reaction

pH power of hydrogen

PND pre-natal diagnosis

pos positive

RDW red cell distribution width

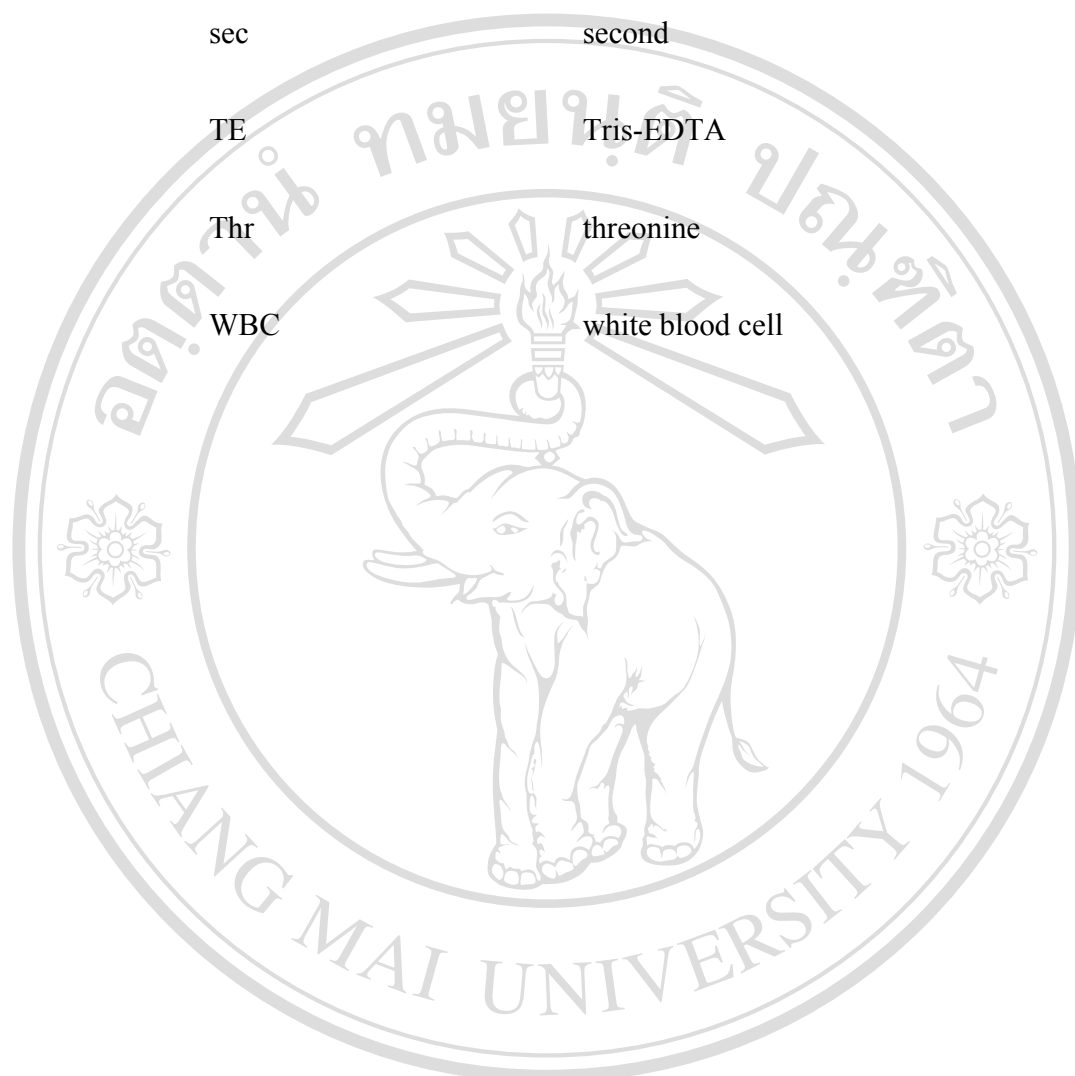
rpm revolution per minute

SDS sodium dodecyl sulfate

SEA southeast asian

Ser serine

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