

## **CHAPTER II**

### **OBJECTIVES**

The gene and genotype frequencies of GSTP at codons 105 and 114 in Thai individuals were investigated to compare the gene frequency from Thais to those in other racial groups reported so far and to observe an equilibrium of the genotype frequency in Thai population.

Determination of the GSTP genotype frequencies in dyspeptic patients were also carried out to investigate the differences in the frequencies between non-ulcer dyspeptic (controls) and ulcer dyspeptic patients (cases). Results obtained from this study may provide an insight into the role of GSTP genotype in peptic ulceration.

Therefore, a scope of this study included determination of GSTP gene and genotype frequencies in Thais by PCR-Restriction Fragment Length Polymorphism (PCR-RFLP) technique and study on the association between GSTP genotypes and individual susceptibility to peptic ulceration in dyspeptic patients.