

## **CHAPTER II**

### **SPECIFIC OBJECTIVE**

The objective of this study is to study the kinetics of the antigen-specific antibody-secreting cells (ASC) in the circulation by enzyme linked immunospot assay (ELISPOT) in rats previously primed orally with a liposome-associated oral cholera vaccine prepared from *V. cholerae* lipopolysaccharide (LPS), toxin-coregulated pili-A protein (TcpA) and procholeraenoid (P), in the presence of bacterial CpG DNA, after receiving an oral booster dose of the vaccine.