

This study included the investigation of the ability of *C. freundii* to produce Heat labile enterotoxin by both genotype and phenotype. Only 11 isolates were isolated from 422 clinical sample (282 stool and 140 urine samples), 8 isolates from stool samples and 3 from urine samples. All isolates identified by biochemical tests and confirmed with API 20 E. Molecular detection for gene responsible for heat- labile (*lt*, *ltI-h* and *ltA*) enterotoxin genes was achieved by PCR technique. The result showed that *ltA* was the heat-labile enterotoxin gene in 5 isolates (45.45%). Rabbit ligated ileal loop assay RIL, was applied to the 11 Isolates, only 4 of the bacterial isolates gave a positive results.