

## Abstract

Essential oil from *Cinnamon mercadoi* (Cinnamon) leaf was extracted using steam distillation. *Salmonella typhi* and *Klebsiella pneumoniae* were inoculated into different concentrations of the cinnamon leaf extract ranging from 0.1 g/ml to 5g/ml. Although none of the given concentrations demonstrated a total inhibitory activity on the test organisms, it was observed that the plant extract had a higher activity on *S. typhi* and *K. pneumoniae* at 1.25 g/ml concentration. It showed 25% and 50% growth on *S. typhi* and *K. pneumoniae*, respectively. It is suggested that a higher concentration of the *C. mercadoi* extract be used in order to obtain the minimum inhibitory concentration.

