

Abstract

Over the last three decades, reports on yeast infections in humans have increased especially with respect to immunocompromised individuals. This is associated with increased morbidity and mortality especially in HIV/AIDS immunocompromised individuals. The purpose of this study was to isolate and characterize yeasts from domestic Chicken droppings. The droppings were collected from Kabigeriet Villages, Olenguruone Division, Nakuru County. Eighty four samples were collected by scooping and swabbing Chicken droppings and transported to the Mycology laboratory, Kenya medical research institute using a cool box for processing. Samples were inoculated onto Typan blue agar and further sub cultured on CHROM agar and Corn meal agar for presumptive identification of various *Candida* species. Analytical profile index test was used for confirmation. 35 (41.67%) *Candida* species (9 *Candida lusitane*, 7 *Candida glabrata*, 5 *Candida albicans*, 5 *Candida tropicalis*, 3 *Candida parapsilosis*, 2 *Candida lipolytica* and 2 *Candida krusei*) were isolated. The results of this work demonstrated that domestic chicken harbor potentially pathogenic yeasts in their dropping.