

## The effect of selected sterilization methods on antibacterial activity of aqueous extract of herbal plants.

### ABSTRACT

The aim of this study was to compare selected sterilization methods to maintain high susceptibility of antibacterial activities of aqueous extracts of herbal plants. Autoclave-sterilized Impregnated disk and Impregnated disk sterilized by Acrodisc syringe filter were embedded on Mueller-Hinton Agar (MHA) plates seeded with the respective test microorganisms. Among five extracts, *Euphorbia hirta* exhibited antibacterial activities. Autoclaving caused less damage to the antibacterial activities of the tested extract in comparison with syringe filtration.

**Keyword:** Antibacterial activity; Aqueous extract; *Euphorbia hirta*; Sterilization methods