

# Antibacterial Activity and Chemical Composition of Turkish Propolis

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Propolis, Hive Product, Antibacterial Agent

The antibacterial activities of propolis samples have been examined *in vitro*, according to the principles accepted for the determination of a similar activity of antibiotics with the use of solid and liquid media. It has been found that propolis extracts showed antibacterial activity through a range of commonly encountered gram positive cocci (*S. aureus*, beta hem. *Streptococcus*), but had weak activity against gram negative bacteria (*E. coli*, *P. aeruginosa*). GC/MS analysis showed that propolis samples contain a variety of chemical compounds including aromatic compounds, fatty acid esters and sesquiterpenes.