



PharmTech

International Journal of PharmTech Research

CODEN (USA): IJPRIF, ISSN: 0974-4304, ISSN(Online): 2455-9563
Vol.9, No.10, pp 258-266, 2016

Antibacterial Activity of Propolis Extracted in Three Different Solvents and in Three Different pH values on some Pathogenic Bacteria

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Abstract : This research performed to investigate the effects of Al-Hillapropolis (Babylon province) aged for seven days, extracted by three different solvents (Ethanol, Aceton, Toluol) and with three different pH values(6, 7, 8) on (16) samples of pathogenic bacteria including (*Staphylococcus aureus*, *Escherichia coli*, *Pseudomonas aeruginosa* and *Klebsilla pneumonia*). Antibacterial activity of propolis tested for all the isolated bacteria. It was found that Ethanol and Aceton had maximum antibacterial action in pH (6 and 7) on Gram positive and Gram negative bacteria, while the last solvent used in this study(Toluol) had the highest effect compared with other solvents only on Gram negative bacteria and approximately in tested pH values(6,7, 8).

Keywords: Antibacterial Activity, Propolis, pH values, Pathogenic Bacteria.

Halah Dawood Salman /International Journal of PharmTech Research, 2016,9(10): 258-266.
