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NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF APPLIED SCIENCES

DEPARTMENT OF APPLIED BIOLOGY AND BIOCHEMISTRY

TITLE: A STUDY ON THE HUMAN FLORA OF THE HAND AS AFFECTED BY TWO
DIFFERENT SOAPS

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1. Abstract

Two kinds of soaps, one being medicated and other ordinary soap were used to study the normal flora of the human skin. Ten volunteers were used in this study.

Hand washings with soap and without soap were collected into plastic bowls. these washings were then plated out. Plates were incubated at 37 °C. A microbiological identification showed the presence of Staphylococcus aureus, Staphylococcus epidermidis, Escherichia coli and Pseudomonas aeruginosa on the skin. Use of the soaps decreased the number of organisms on the skin in this study.