

**✓ DRUG RESISTANCE PATTERN of *Escherichia coli*
ISOLATED FROM ANIMAL MANURE AND ITS
CONJUGATIVE TRANSFERABILITY**

An Undergraduate Thesis
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(Major in Microbiology)



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ABSTRACT

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Based on the assay, all isolates regardless of the origin were found resistant to at least one antibiotic tested. Ninety nine percent of which showed multiple resistance, being resistant to four or more antibiotics.

Transfer of resistance factor was tested using a multiple drug resistant isolate 1ss1a. Out of four antibiotic resistance, only polymyxin resistance was not transferred. chloramphenicol, streptomycin, and tetracycline resistance were transferred to recipient *Escherichia coli*. More transconjugants were observed after 48 hours of incubation period.

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