

## Incidence of *Salmonella* infections in lizard droppings in Imo State University environment

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Lizard dropping was investigated for the carriage or presence of *Salmonella* in them. Isolation was done using the selective media *Salmonella* and *Shigella agar*, which selects for *Salmonella* and *Shigella*. Only *Salmonella* appeared as black colonies due to characteristic hydrogen sulphid production. Isolates were later characterized using a combination of morphological, biochemical and serological tests. Out of the 50 samples of Lizard droppings collected and examined, 19 were confirmed positive for *Salmonella* representing 38% incidence. The chi-square test was used to statistically analyze the results obtained and it showed that the incidence of *Salmonella* infections in Lizard droppings in Imo State University environment is high. The main objective of this work is to estimate the incidence of *Salmonella* in lizard droppings, which will go a long way in shedding some light on the epidemiological significance of the presence of *Salmonella* in lizard droppings and possible ways of controlling them.

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