

**Report**

Antimicrobial effect of Stericoat produced by "CHEMPRO" was tested in the microbiology department of Faculty of Medicine Cairo University.

Several methods have been applied to test the antimicrobial effect of this product.

***The bacteria used in all tests are :***

Methicillin - resistant Staph.

Aureus.

E.coli.

Pseudomonas aeruginosa.

Proteus species.

***The Fungi included in the test are:***

Aspergillus niger.

Aspergillus flavus.

Penicillium sp.

Candida albicans.

***The methods used were as follows:***

1. Direct treatment of the product with heavy inoculum of the microbe under study.
2. Estimation of zone of inhibition of the product when applied to solid - media cultures of bacteria and fungi under study.  
The tests were done at room temperature.

### ***Results:***

1. No growth was found when the microbes were directly applied to the product under study.
2. A good zone of inhibition was detected against all microbes under study.

### ***Conclusion:***

The " **Stericoat**" could be used on wall surfaces in food manufacturing plants, Kitchens, Laboratories, Hospital walls, Surgery rooms due to its antimicrobial action.

Howere, its long term antimicrobial effect is not studied yet.

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