



## Report on the Effectiveness of Antimicrobial Oils in Eradicating MARCoNs

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### Introduction:

Three oils were tested against MARCoNS (Multiple Antibiotic Resistant Coagulase Negative Staphylococcus) for their antimicrobial properties. Artemisinin, Curcumin and Oregano Oil Liposomal Suspensions were tested by taking 10-15 colonies of MARCoNS and streaking each of three Blood Agar Plates (BAP). A 50µl aliquot of each oil was applied to 4 locations on each plate and incubated for 18 to 24 hours. This was performed twice.

### Results:

The areas where the oils were applied showed inhibition of the MARCoNS in both experiments. This confirmed the antimicrobial properties of Artemisinin, Curcumin and Oregano Liposomal Suspensions.

### Conclusion:

The three oils showed antibiotic susceptibility to Staph epidermidis ATCC35984, MARCoNS positive and a strong biofilm producer. The formulation of the oils are the property of Hopkinton Drug.