

Abstract Submitted
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Comparison of magnetic field effects on the growth of Staphylococcus Aureus and Staphylococcus Epidermidis KEVIN DO, University of Houston- Clear Lake, SAMINA MASOOD, University of Houston-Clear Lake — The effects of magnetic fields were investigated on two species of bacteria: Staphylococcus Aureus and Staphylococcus Epidermidis. Both cultures were grown independently in agar plates and nutrient broth with exposure to various conditions of static and oscillating magnetic fields. The effects were characterized by growth rate measurements via changes in optical density (OD) over incubation periods of 24-28 hours. Significant effects on the growth rates of both species were observed in the case of the time-varying magnetic field.

Kevin Do
University of Houston- Clear Lake

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