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Study of Bacterial Response to Antibiotics in Low Magnetic Fields MOHAMMAD ABDUL-MOQUEET, ABDULLAH ALBALAWI, SAMINA MASOOD, Univ of Houston - Clear Lake — Effect of low magnetic fields on bacterial growth has been well established. Current study shows how different magnetic fields effect the bacterial response to antibiotics shows that the bacterial infections treatment and disease cure is changed in the presence of weak fields. This study has focused on understanding how different types of low magnetic fields change the response the bacterium to antibiotics in a liquid medium. This low magnetic field coupled with the introduction of antibiotics to the growth medium shows a drop in the growth curve. The most significant effect of low magnetic fields was seen with the uniform electromagnetic field as compared to the similar strength of constant static magnetic field produced by a bar magnets.

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