

Oxidation as a result of reactive oxygen species (ROS) leads to aging and possible death of an organism from cell damage. Antioxidants protect our bodies from these potentially harmful effects by stopping the oxidizing cascade that occurs. This experiment tests the efficacy of Vitamin E as an antioxidant in lipid membrane protection against Iron as an oxidizer. *Drosophila* are used as a model organism, lifespan and lipid peroxidation were measured.