

Faith Roberts  
*Mold Massacre*

The purpose of this investigation was to determine whether essential oils (eucalyptus, cinnamon, clove) can destroy mold. I hypothesized that if the essential oil type varies, then the diameter of the ring of inhibition will be largest for clove oil. This experiment involved spreading mold onto agar, placing sterile filter disks with the solution on them, and then recording the zone of inhibition after 24 hours in a 30°C incubator. Bleach was used as the control. The data collected did support the original hypothesis. Based on evidence, it is reasonable to conclude that the clove oil killed the mold the best because, on average, clove oil had a ring of inhibition diameter 19.4 mm greater than eucalyptus, 9.18 mm greater than cinnamon, and 25.94 mm greater than the control.