

The purpose of this investigation is to determine if citral is activating apoptosis by examining the cleavage of PARP in treated cells. Preliminary research has shown that citral is toxic to M624 human melanoma cells. Various concentrations were used according to previous research by Blake Skzoda and Dr. Suzanne Parsons. Cells were treated for 3 hours then lysed. Samples were analyzed through SDS-PAGE gel electrophoresis and western blotting for PARP cleavage, which signals apoptosis.