MITOGENIC EFFECT OF CELL STIMULATORS ON SWINE LYMPHOCYTES IN VITRO


Summary. We examined the mitogenic effect of phytohemagglutinin (PHA), concavalin (Con A), pokeweed mitogen (PWM) and Staphylococcus aureus protein on swine lymphocytes in vitro. The lymphocytes with mitogens were incubated for 6 days. Flow cytometry was used to measure the mitogenic influence on cells. Con A was found the most active cell stimulator. High concentrations (10 µ g/ml) of PWM caused cell death. The protein of Staphylococcus aureus had weak stimulating influence on cells.

Keywords: Swine lymphocytes, phytohemagglutinin (PHA), concavalin (Con A), pokeweed mitogen (PWM) and Staphylococcus aureus protein.