

MITOGENIC EFFECT OF CELL STIMULATORS ON SWINE LYMPHOCYTES *IN VITRO*

R. Freigofas, W. Leibold, A. Dauschies, H. – Joahim Schuberth

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.