

INVESTIGATION OF CANINE DISTEMPER VIRUS ANTIGENIC PROPERTIES

D. Zienius, M. Tiukšienė, V. Sereika

Summary. The aim of the research work is to investigate EPM dog distemper virus antigenic activity, storing the antigens in different protective media and at different temperatures.

It has been stated that at temperatures -20°C and $+4^{\circ}\text{C}$ the antigen remains active and specific antibodies are detected in the blood sera of the dogs inoculated with it.

Medium N^o1 possesses better protective properties. EPM canine distemper virus being very sensitive to temperature, they stay active for only 8 hours at $+20^{\circ}\text{C}$.

Two antigenically active vaccine batches have been produced using protective media. The influence of protective media on virus antigenic characteristic properties has been studied. The investigations showed that storing the vaccines at -20°C and $+4^{\circ}\text{C}$, antigenic properties remain unchanged. Having inoculated these vaccines to dogs, specific antibodies were detected in their blood sera.