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## SOME ENZYMES AND ISOENZYMES OF CULTURED CELLS INFECTED BY VIRUS.

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On the presumption that enzymatic activities of infected cells reflect not only the given capacities of cells to respond to infection by virus but also that the infecting virus, depending on its properties, influences the quality of the cellular response the enzymatic activities of in vitro virus-infected cells were investigated. Previous comparative histochemical studies (1966, 1968) showed that LDH, acid phosphatase and non-specific esterase activities can be qualified as "injury markers" of the infected cell irrespective of virus used (a picorna, herpes- or arbovirus). Therefore an analysis of synograms of pig kidney (strain PK), diploid dog kidney and rat fibroblast cells infected with a nonvirulent cloned strain of Teachen disease virus and/or pseudorabies virus was made. The activities of LDH, MDH, ICDH, acid and alkaline phosphatases, nonspecific esterases and GOT were studied. Increased total enzyme activities in infected cell cultures were detected, however, electrophoretic analysis revealed certain differences in isoenzyme patterns.

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