



# **Third International Congress of Histochemistry and Cytochemistry**

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**SUMMARY REPORTS**



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**Attempts to visualize autoradiographically and quantitate extremely small amounts of various hydroxysteroid dehydrogenases with the use of a tritiated tetrazolium salt (Nitro BT) will be described.**

### **Cytochemical Determination of Enzymatic Activities of PK Cells Infected with RNA and DNA Viruses**

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**Enzymatic activities of an established line of pig kidney cells (PK) were studied after infection with representatives of different groups of RNA and DNA viruses. Enzymatic activities were assayed by cytochemical methods at the close of the first cycle of virus replication as determined by immunofluorescent techniques, and after 72 hours incubation under agar overlay. The latter cultures are useful for the assessment of activities in cells during the early stages of viral infection before gross morphological changes are apparent.**

**The dependence of cell response to input of virus and cytochemical reactions of infected cultures previously treated by the fluorescent antibody technique were studied.**

**The possible specificity of enzymatic activities of PK cells interacting with different viruses is discussed.**