

ETHANOL AS AN INDUCER OF UDP-GLUCURONYLTRANSFERASE: A COMPARISON WITH  
PHENOBARBITAL AND 3-METHYLCHOLANTHRENE INDUCTION IN RABBIT HEPATIC MICROSOMES

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Received January 14, 1983

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SUMMARY: In this report we have examined the ability of ethanol to induce UDP-glucuronyltransferase activity in male rabbits using *p*-nitrophenol as substrate. The rabbit was found to be an excellent species for studies of ethanol induction since almost 3-fold increases in activity were observed relative to controls. Ethanol induction of *p*-nitrophenol UDP-glucuronyltransferase activity was even greater than induction by 3-methylcholanthrene, the prototypic inducer of this type of activity. Thus, the rabbit shows promise for studies of UDP-glucuronyltransferase isozymes that are induced by chronic ethanol consumption.