lene glycol, wereeffective for the conversion of hydrocortisone to prednisolone. The stability of the immobilized cells during storage and on repeated reactions was also examined.

Thisconvenient entrapping method was also applicable for the immobilization of cellular organelles. yeast peroxisomes. The entrapped peroxisomessh owed the activities of alcohol oxidase and catalase.

7. A MethodforQuantitative Determination of 17 Ketosteroids from Cholesterol Fermentation Broth

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In the experiment of cholesterols and steroidal compounds. gas chromatography has been widely used to determine the compounds. Without the facility, we could determine the amount of 17-ketosteroids in the use of t. l. c technique.

In the ɯicrobial conversion of cholesterol to 17-ketsoteroids, α,α'-dipyridyl which might be a inhibitor of 9α-hydroxylase of steroid skeleton was added to microbial culture broth.

The inhibitor contaminated due to its solubility in organic solvents and hindered the deteɪmination of 17-ketost eroids on t. l. c in all the process of the experiment. we successfully determined the 17-ketosteroids by the use of Ag^+ band on t. l. c. plate.