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Research Title : UTILIZATION OF DATE-SEED LIPID AND HYDROLYSATE IN THE FERMENTATIVE FORMATION OF OXYTETRACYCLINE BY S  
UTILIZATION OF DATE-SEED LIPID AND HYDROLYSATE IN THE FERMENTATIVE FORMATION OF OXYTETRACYCLINE BY S

Descriptipn : Date-seed lipids and date-seed hydrolysate were investigated as carbon and nitrogen sources in the fermentation medium for the formation of oxytetracycline by *Streptomyces rimosus*. It was found that date-seed lipids in a concentration of 70.0 mg/ml were a good carbon source and gave higher titres for the antibiotic than glucose. Date-seed lipids acted as carbon sources and antifoaming agents in the fermentation medium. It was also found that date-seed amino-acid hydrolysate in a concentration of 4.0 mg/ml was a suitable nitrogen source for the biosynthesis of oxytetracycline by *Streptomyces rimosus*, and gave higher titres of the antibiotic than did urea.

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