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Research Details :

Research Title : UTILIZATION OF DATE PRODUCTS IN PRODUCTION OF OXYTETRACYCLINE BY STREPTOMYCES-RIMOSUS
UTILIZATION OF DATE PRODUCTS IN PRODUCTION OF OXYTETRACYCLINE BY STREPTOMYCES-RIMOSUS

Descriptipn : The components of the synthetic fermentation medium, especially carbon, nitrogen, and mineral sources were replaced by Barni date-coat (fruit-flesh) sugar extract. date-seed hydrolysate, date-seed lipid, and date-seed ash. Date-coat sugar extract was rich in sugar; while date-seed hydrolysate contained more nitrogen sources. Both date sources were utilized by the organism to give high titres of the pf antibiotic. The deficiency in nitrogen was overcome by the addition of urea. It was found that date-seed ash in concentration of 0.5 mg/ml could replace MgSO₄, MnSO₄, FeSO₄, and ZnSO₄ when depleted from the medium.

Research Type : Article

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