

Production of clavulanic acid and cephalexin C by *Streptomyces clavuligerus* in palm oil medium

Abstract

Palm and palm-kernel oils and their olein and stearin fractions were suitable as the main carbon sources for growth and production of clavulanic acid by *Streptomyces clavuligerus*. However, oleic and lauric acids were not utilized for growth. A spontaneous mutant, which was selected for higher cephalexin C production, also produced more clavulanic acid with these oils in the medium.