

## 여러가지 유기용매들이 페니실린 G 추출에 미치는 영향

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Equilibrium experiments for physical and reactive extractions of penicillin G were carried out in a simple liquid-liquid extraction system. For the reactive extraction, a secondary amine, Amberlite LA-2 was used as an extractant. The effects of various organic solvents on the physical and reactive extractions were investigated in the work, and the experimental variables were pH of the aqueous phase, initial penicillin G concentration and initial extractant concentration. As pH of the aqueous phase decreased or initial extractant concentration increased, degree of extraction of penicillin G increased independent of type of the organic solvents. On the other hand, the effect of initial penicillin G concentration on degree of extraction depended on the type of the organic solvents.