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**The Introduction of Microdilution Assay as Rapid Screening System for Antimicrobial & Antifungal agent produced by Soil Microorganisms**

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The Methods for test of antimicrobial activity are divided into three groups, disc diffusion assay, dilution plate and dilution broth assay. But these methods are not suitable for screening because it is laborious and require much time. Moreover the screening system for bioactive compounds from various samples must be simple and rapid, can generate accurate and reproducible data.

Therefore we applied microdilution assay for screening of antimicrobial agent. We isolated microorganisms from several soil samples and prepared assay samples by solvent extraction. The 200 samples were tested by microdilution assay and several samples were selected as potent candidates of antimicrobial and antifungal activity.

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