

〈シンポジウム：“General Toxicology”〉

変異原性試験法とその解釈 (1) 微生物を用いる検索と問題点

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Mutagenicity Assay Methods and Interpretation of Their Data (1) Bacterial Mutagenicity Assay and Its Problems

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Abstract

Salmonella mutagenicity assay is the simple, quick and reproducible method for detecting the mutagenicity of chemicals and the best and reliable short-term screening method for potential carcinogenicity of chemicals.

A good correlation between mutagenicity and carcinogenicity of chemicals was proved by the Salmonella mutagenicity assay, however, the sensitivity and specificity of this assay method must be improved for the more good predictive value of potential carcinogenicity of chemicals.