

ヒアルロン酸ナトリウム (SL-1010) の 変異原性試験 (第1報)

—細菌を用いる復帰変異試験—

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Mutagenicity Tests on Sodium Hyaluronate (SL-1010) (I)

—Reverse Mutation Test in Bacteria—

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ABSTRACT

Sodium hyaluronate (SL-1010), produced by fermentation, was tested for its mutagenicity in bacteria. According to the preincubation method (37°C, 20 min), reverse mutation tests were carried out in four strains of *Salmonella typhimurium* (TA 1535, TA 1537, TA 100 and TA 98) and *Escherichia coli* (WP 2 *uvrA*), with and without metabolic activation by rat liver S 9 Mix.

No reverse mutation was induced in these strains at the concentrations of 31.25, 62.5, 125, 250, 500 and 1000 µg/plate of SL-1010, regardless of the presence of the rat liver S 9 Mix. These results indicate that SL-1010 is not mutagenic under the experimental conditions.

KEY WORDS

Sodium hyaluronate (SL-1010), Mutagenicity test,
Bacteria, Reverse mutation test

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