

ヒアルロン酸ナトリウム (SH) の 変異原性試験

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Mutagenicity Studies of Sodium Hyaluronate (SH)

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ABSTRACT

SH was examined for mutagenicity employing the reverse mutation test using *Salmonella typhimurium* (TA 98, TA 100, TA 1535, TA 1537) and *Escherichia coli* WP 2 *uvrA*, and employing chromosomal aberration test with cultured Chinese hamster cells (CHL/IU).

1) In the bacterial reverse mutation test, this compound did not increase revertants in any of the test strains in either the presence or absence of metabolic activation.

2) In the chromosomal aberration test, this compound did not increase the number of aberrant cells in comparison with the negative control, in either the presence or the absence of metabolic activation.

3) These results suggest that SH has no mutagenicity or clastogenicity.

はじめに

ヒアルロン酸ナトリウム (以下 SH と記す)

は、HOYA ㈱で開発中の眼科手術時における
角膜内皮細胞の保護を主な目的とした高分子多
糖体である^{1,2)}。

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