

ヒアルロン酸ナトリウム (SH) の マウスを用いる小核試験

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Micronucleus Test of Sodium Hyaluronate (SH) with Mice

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ABSTRACT

As a series of the studies on the safety of sodium hyaluronate (SH), its mutagenicity was investigated by micronucleus test with CD-1 male mice. SH was administrated intraperitoneally to mice twice at daily dose levels of 75, 150 and 300 mg/kg and bone marrow was collected at 24, 48 and 72 hr after the final administration. There were no significant difference in frequency of micronucleated polychromatic erythrocytes (MNPCE) and frequency of polychromatic erythrocytes to polychromatic and normochromatic erythrocytes ($PCE/(PCE+NCE)$) between the SH treated groups and the control group. From these results, it is concluded that SH has no mutagenicity under the condition of this study.

KEY WORDS

Sodium hyaluronate (SH),
Micronucleus test, Mice

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