

# Hepatoprotective Activity of Homeopathic Formulation Alpha™-Liv Drops in Rat Model

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## Abstract

**Introduction:** Liver diseases pose a serious health challenge in India, impacting roughly 20% of the population and standing as a leading cause of mortality. Traditional treatments often fall short, especially in rural areas with limited healthcare access. Homeopathy in general has shown its effectiveness. This study investigates the hepatoprotective activity of Alpha™-Liv Drops, a homeopathic formulation, to explore its potential treatment option for liver diseases in the Indian healthcare landscape.

**Methods:** An animal study was conducted, comprising four distinct groups: Normal Control (received saline), Disease Control (received high fat diet), Treatment Group (administered Alpha™-Liv Drops), and Standard Group (administered an herbal hepatoprotective agent). The primary objective of this investigation was to evaluate liver function by analyzing enzyme levels such as ALT (SGOT), AST (SGPT), and ALP, alongside assessing antioxidant potential through parameters like GSH, SOD, CAT, and MDA.

**Results and Discussion:** The Disease Control group exhibited a concerning pattern when compared to, with elevated liver enzyme levels (ALT, AST, ALP) and reduced antioxidant markers (GSH, SOD, CAT, MDA), indicating the presence of significant liver damage and heightened oxidative stress. In contrast, the Treatment Group that received Alpha™-Liv Drops displayed a marked improvement in these parameters, with values approaching those observed in the Standard Group that received a routine hepatoprotective agent. These results underscore the promising hepatoprotective and antioxidant properties of the Alpha™-Liv Drops as a promising treatment option for liver diseases.

**Conclusion:** Alpha™-Liv Drops emerge as a promising alternative for liver diseases, showing substantial hepatoprotective effects and improvement in antioxidative profiles. These findings support further investigation through clinical trials to explore broader applications and integration into liver health management strategies.

**Keywords:** Liver diseases, hepatoprotective, Alpha™-Liv Drops, liver function markers, antioxidants, homeopathic treatment.