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[Vopr. Virusol.](#) 1977 Nov-Dec;(6):731-3.

## [Virus inactivation by hydrogen peroxide].

[Article in Russian]

[Mentel' R.](#), [Shirmakher R.](#), [Kevich A.](#), [Dreizin RS.](#), [Shmidt I.](#)

### Abstract

The effect of H<sub>2</sub>O<sub>2</sub> on adenovirus types 3 and 6, adenoassociated virus type 4, rhinoviruses 1A, 1B, and type 7, myxoviruses, influenza A and B, respiratory syncytial virus, strain Long, and coronavirus strain 229E was studied in vitro, using different H<sub>2</sub>O<sub>2</sub> concentration and time of exposure. H<sub>2</sub>O<sub>2</sub> in a 3 percent concentration inactivated all the viruses under study within 1--30 min. Coronavirus and influenza viruses were found to be most sensitive. Reoviruses, adenoviruses and adenoassociated virus were relatively stable. H<sub>2</sub>O<sub>2</sub> is a convenient means for virus inactivation.

PMID: 203115

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