

ANTIMICROBIAL ACTIVITY *IN VITRO* AND *IN VIVO* SALINE SOLUTIONS OF PHENOLS AND QUARTER DERIVATIVES OF AMMONIUM

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Summary. Bacteriostatic activity *in vitro* and antimicrobial *in vivo* activity of antiseptical solutions as Rivaseptas, Salirivolis and Heksalkonis has been investigated. Studies on the antiseptical effect of complex solutions of phenols and salicylate including quarter derivatives of ammonium or aetacridic lactate have not been published earlier. *In vitro*, Heksalkonis demonstrated the strongest and the most stable effect while *in vivo* Salirivolis was distinguished. Interaction between the used ingredients of solutions and their antimicrobial peculiarities was also reviewed.

Keywords: antiseptics, quarter derivatives of ammonium, phenols, bacteriostatic *in vitro* activity, antimicrobial *in vivo* activity.