

## EXPERIMENTAL STUDY OF THERAPEUTIC ACTIVITY OF COMPOUND GENTAMYCIN AND DETERGENT CATAPOL IN SWINE SURGERY

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**Summary.** Post operation complications are often caused by antibiotic-resistant microbes. By administering antibiotic preparations in combination with detergents or surface-active substances, the antibiotic activity of the former is intensified and the risk of complications decreases.

The tests were carried out *in vitro* and *in vivo*, with catapol being used as a detergent. The experiments *in vitro* showed a 163-fold increase in the effectiveness of benzylpenicillin in combination with catapol, while that of gentamycin-catapol combination increased threefold.

A gentamycin-catapol combination was used *in vivo* and was found to be highly effective against Staphylococcus infection in piglet hernia treatment.