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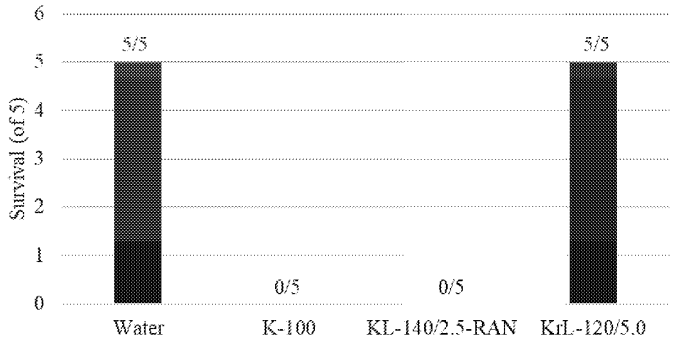


FIG. 32

(57) Abstract: The present invention relates to an antimicrobial pharmaceutical composition, comprising an aqueous carrier; and an antimicrobial synthetic cationic polypeptide(s) dispersed in the aqueous carrier at a concentration in the range of about 0.01% to about 5%, by weight based on total weight of the antimicrobial pharmaceutical composition, wherein the antimicrobial synthetic cationic polypeptide(s) comprises a plurality of positively charged amino acid units at neutral pH, and fulfils certain viscosity and toxicity requirements. The invention further relates to a method of preventing microbial contamination of tissues other than intact, healthy skin, comprising administering the present antimicrobial pharmaceutical composition in an amount effective to at least partially protect the tissue site from becoming contaminated with microbes.

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