

## **BACTERIOPHAGES USED IN COSMETOLOGY**

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For treatment of become inflamed illnesses of microbial nature historically adopted to use preparations of antibacterial action: disinfectants and antibiotic. But despite on undoubtedly effectiveness of these means, their using provoke simultaneous uppression of whole microflora: as pathogenic, also and normoflora – up to full destruction of her symbiotical population. The most safety and «ecologically clear» method of contest against microbial infections is using of natural ways of regulations of number of populations – biological limitations. Natural biological limiter for bacterium is bacteriophages. Using of bacteriophages with narrowly specifically lytic action on couter - inflaming and antibacterial therapy allows not only to destroy population of pathogenic microorganisms (also and antibiotaly resistant strains), but and enrich conditions for development«usefull» bacterium of normoflora. Undeniably advantages of protobes are narrow spectrum of antimicrobial action, capability to accumulation, long time of acting and harmlessly for patient.

Actual problems of phagotherapy are in the center of attention. Generalization accumulated information by results of protobe consisted means and narrow cooperation virologists, bacteriologist, practical doctors, biotechnologist and veterinary allows to create means, which do not have analogues in the world of microorganism and use them for precaution of illnesses of microbial ethiology by the way clearing from conditionally-pathogenically bacterium. One of such means is gel-spray for hand – biological gloves.

Purpose of work is showing the perspective of using cosmological means based on bacteriophages also explanation of need passing biotechnical researches of cosmological means on activity of said bacteriophages. It is going to make researches of bacteriophages which are used by operation cosmetics «Sengara» on specificity. For studying we will be use gel-spray for hands – biological gloves made by "NEC Agrovetzaschita S.-P.," Russia, commissioned by LLC "Sengar" for JSC "Faberlic". Specify is characterized by occurrence or nonoccurrence acritical activity of bacteriophages in a ratio of heterolytic bacterium. and studying for occurrence announced bacteriophages (*Wolinella* Spp., *Actinovyces* Spp., *Actinobacillus actinomycetemcomitans*, *Porfiromonas gingivalis*, *Campylobacter* Spp., *Bacteroides* Spp., *Staphylococcus aureus*, *Streptococcus pyogenes*, *Streptococcus mutans*, *Pstudomonas aeruginosa*, *Proteus vulgaris*, *Klebsiella*).