

The invention related to the field of disinfection of drinking water and methods of its long-term storage. A process consists in introduction of glass beads with silver-plated surface into the water and holding them until complete disinfection of the water. The beads silver-plated by cathode-ion bombardment are used. The silver coating is 0.005-10 μm in thickness. One bead or some beads having 1.5-8 minimum bactericidal doses of silver are introduced into the water.