

Method for producing a disinfectant based on silver nanoparticles involves preparing colloidal silver solution, reduction of silver from an aqueous solution of silver salt in the presence of a reducing agent and a stabilizer for the silver nanoparticles. Wherein, trisodium citrate is used both as a reducing agent and a stabilizer. The reduction is carried out in an aqueous medium at a temperature of 100 °C until a colloidal solution of silver nanoparticles with a size of 10–12 nm is formed.