

# Supplementary material

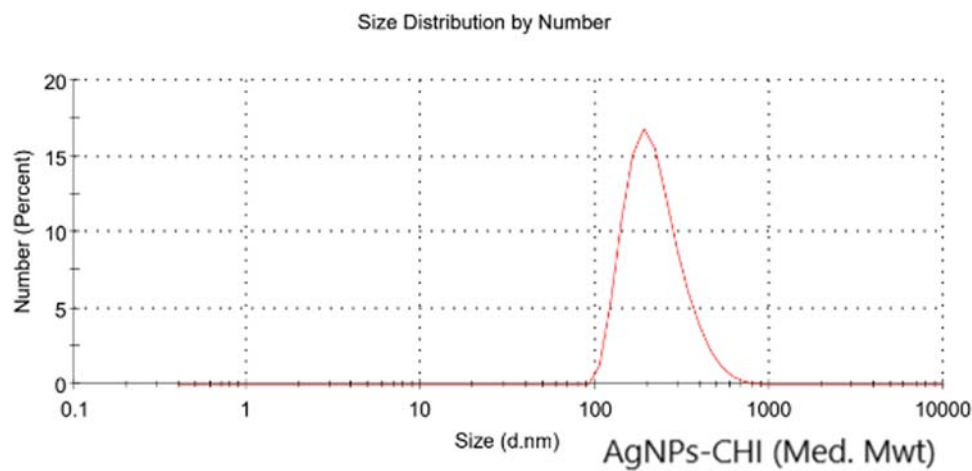


Figure S1: Dynamic light scattering of the formulated silver nanoparticles' mean size (nm) reduced with med molecular weight chitosan.

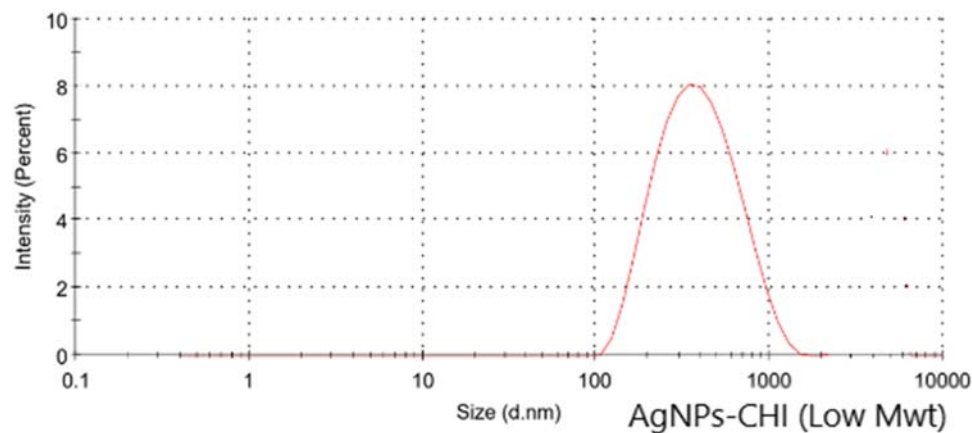
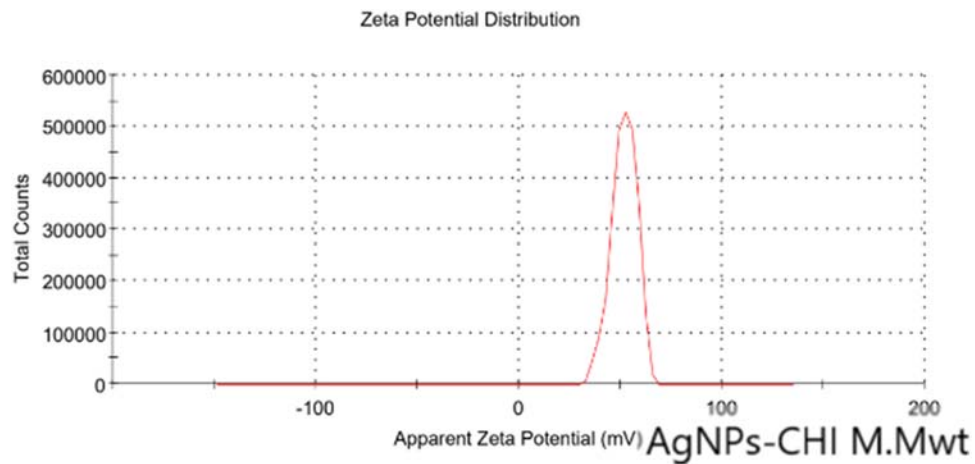
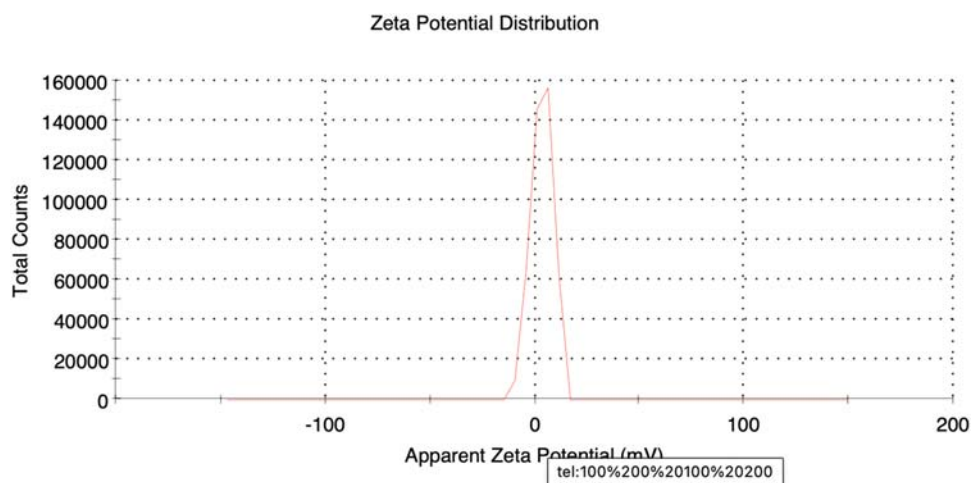


Figure S2: Dynamic light scattering of the formulated silver nanoparticles' mean size (nm) reduced with low molecular weight chitosan.



**Figure S3:** Zeta potential (mV) determined with a dynamic light scattering of the formulated silver nanoparticles reduced with medium molecular weight chitosan.



**Figure S4:** Zeta potential (mV) determined with a dynamic light scattering of the formulated silver nanoparticles reduced with low molecular weight chitosan.