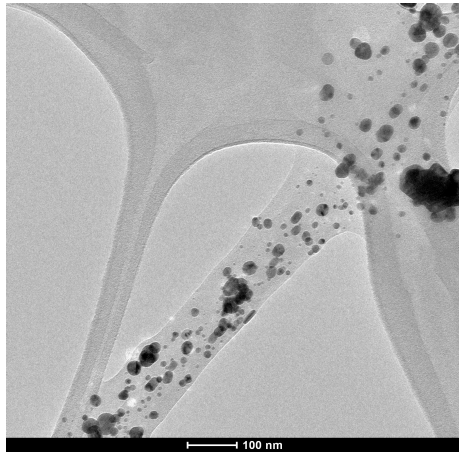
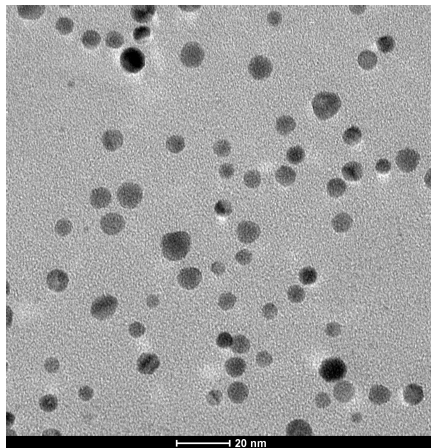


# Commercial vs. Home-Made Materials

Commercial materials are not uniform



TEM of 10 nm Commercial Nano Ag



TEM of 8 nm home made Nano Ag

Home made samples offer more flexibility in size and coating for detailed study; Commercial and home-made materials show different toxicity

- Commercial (NanoAmor) PVP-AgNPs do not completely sulfidize and toxicity is not decreased until sulfide concentration is 15 mM after 24 hours.
- Lab Synthesized AgNP completely sulfidize and toxicity is decreased for sulfide concentrations of 2 mM after 24 hours.