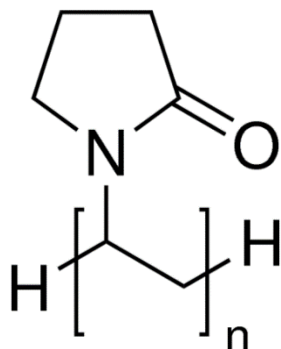




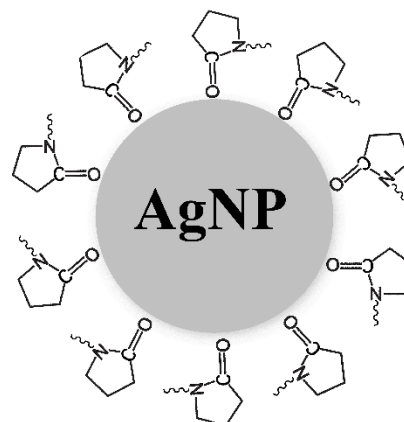
NANOBRAND

Silver nanospheres, PVP-coated

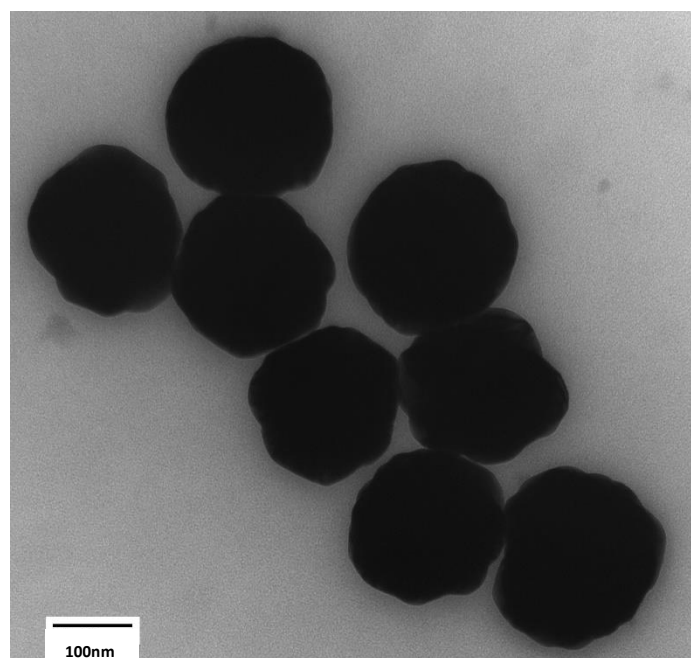
PVP – 40 $(C_6H_9NO)_n$
CAS 9003-39-8



Solid nanoparticles coated
with PVP



Diameter (TEM):	201.1 ± 26.9 nm
Coefficient of polydispersity:	13.4%
Mass of single particle:	4.47 E-11 mg
Surface of single particle:	1.27E-9 cm**3
Particle concentration:	1.18E+9 particles/mL
Molar particles concentration:	0.00196 nM
Mass of silver:	50 µg/ml
Surface area (TEM):	2.84 m ² /g
Particles surface charge:	negative
Silver purity:	99.999 %
pH of the solution:	5.0 - 7.0
Particle surface:	PVP - 40
Solvent:	Milli-Q water (18.1 MΩ-cm)



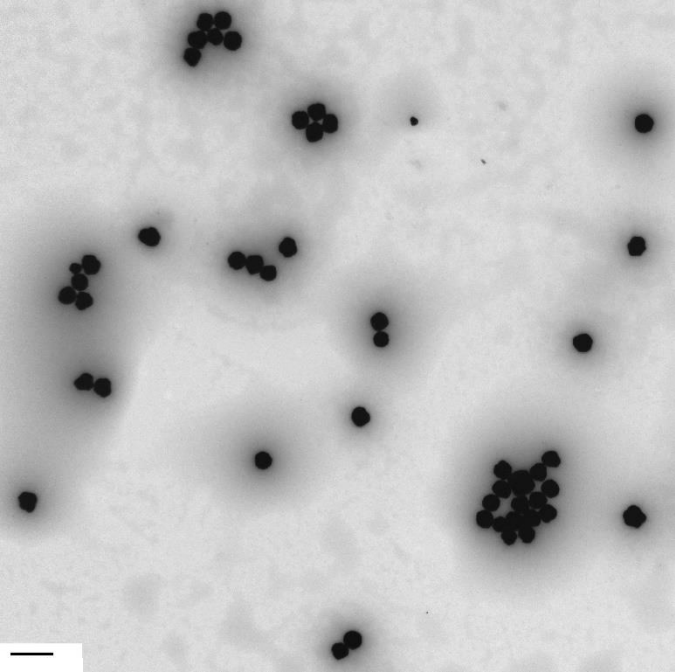
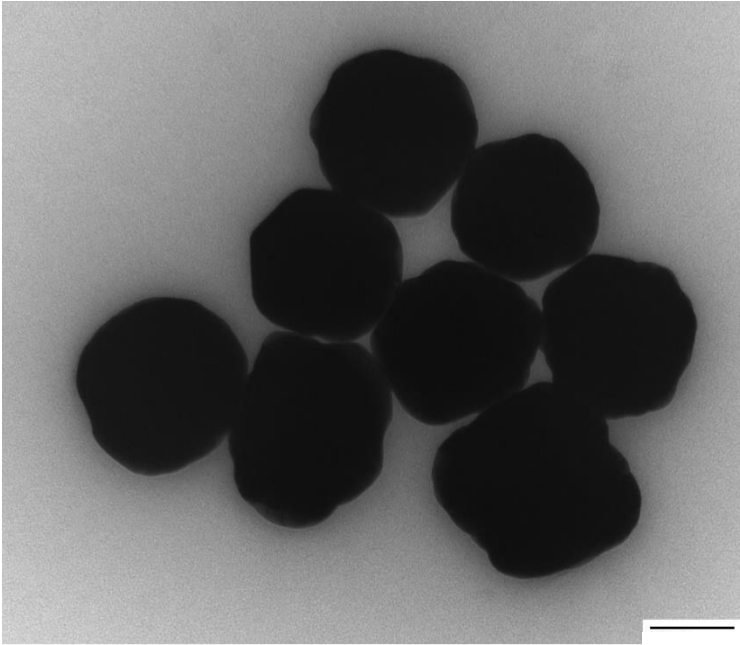
Instrumentation used for characterization

Diameter and size distribution:	Transmission Electron Microscope HITACHI H-7100
Mass concentration:	PerkinElmer NexION 2000P+ ICP-MS
Spectral properties:	Thermo Scientific Evolution 220 UV-Visible Spectrophotometer
Hydrodynamic Diameter and Zeta Potential:	Wyatt Mobius Zetasizer

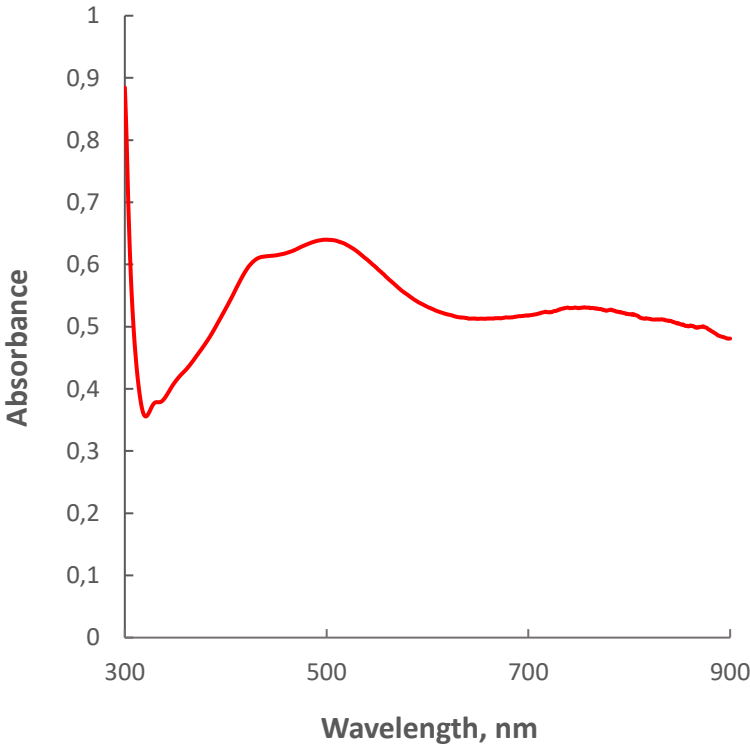
Store at 4-25°C away from light. DO NOT FREEZE. Shake before use.



Silver nanospheres, PVP-coated



Optical Properties



Size Distribution

