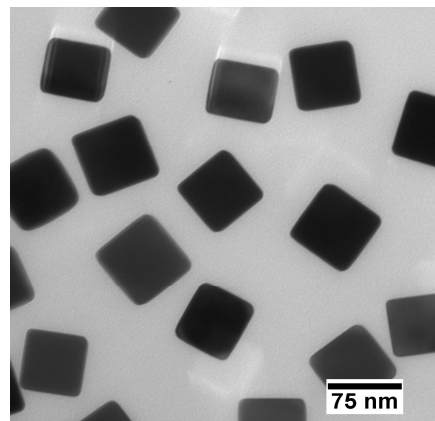
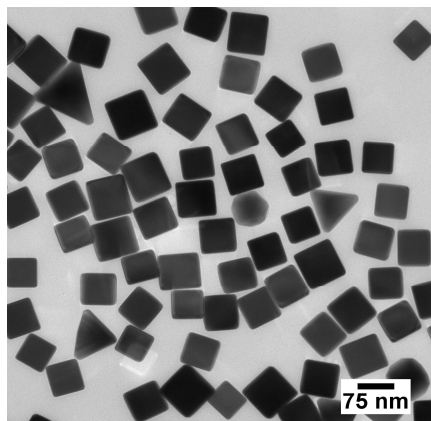
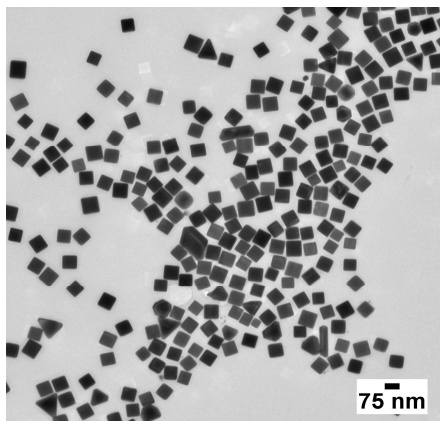


75 nm Silver Nanocubes, PVP, NanoXact™

Product Number: SCPH75

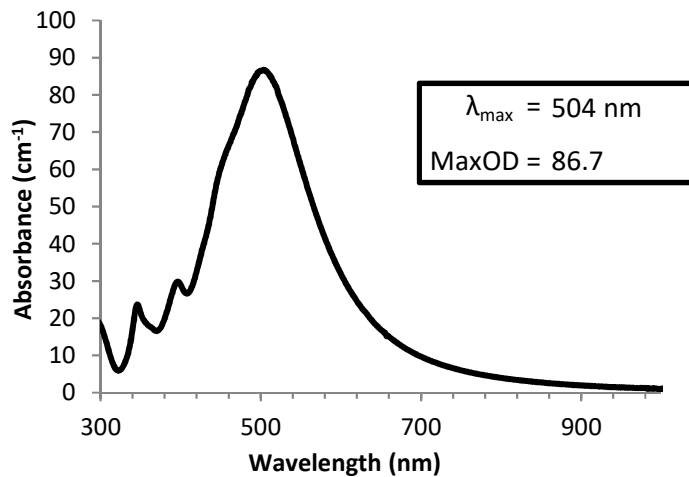
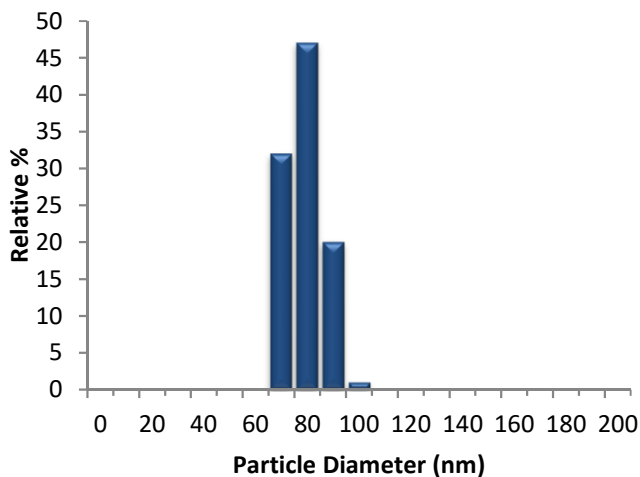
Lot Number: HKE0572

Diameter ± Std.Dev (TEM):	74 ± 7 nm	Particle Surface:	PVP 55 kDa (Polymer)
Coefficient of Variation:	9.9 %	Solvent:	1 mg/mL PVP55 in Ethanol
Mass Concentration:	1.07 mg/mL	Hydrodynamic Diameter:	137 nm
Particle Concentration (Calc'd):	2.6E+11 particles/mL	Zeta Potential:	-38 mV
Molar Particle Concentration:	4.2E-10 particle # (mol/L)	Zeta pH: 8.9	Zeta Solvent: Milli-Q H2O
Surface Area (Calc'd):	7.6 m ² /g		



Size Distribution

Optical Properties



Characterization Instrumentation

Diameter and Size Statistics:	JEOL 1010 Transmission Electron Microscope; ImageJ
Mass Concentration:	Thermo Fisher X Series 2 ICP-MS
Spectral Properties:	Agilent 8453 UV-Visible Spectrometer
Hydrodynamic Diameter/Zeta Potential:	Malvern Zetasizer Nano ZS (>10 nm Products Only)
pH:	Horiba - Laqua Twin pH Meter

Shake vigorously before use. Bath sonicate if needed. Storage: 2-8 °C away from light. DO NOT FREEZE.
To minimize ethanol evaporation, store in a cool place, minimize bottle head space and cap tightly.