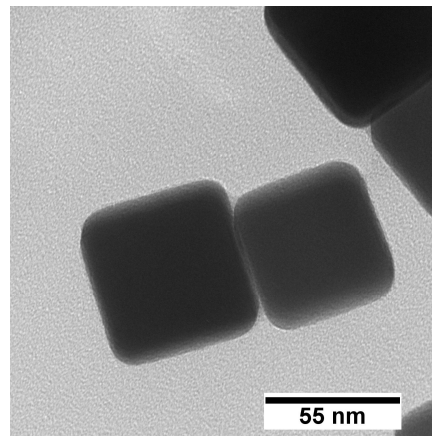
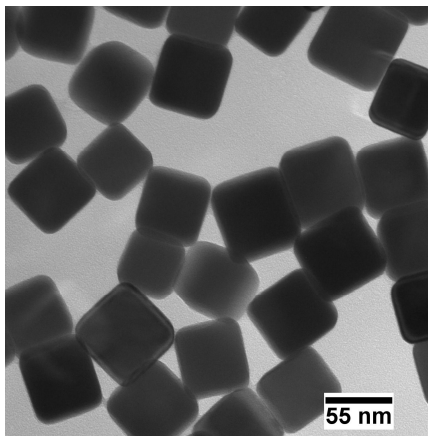
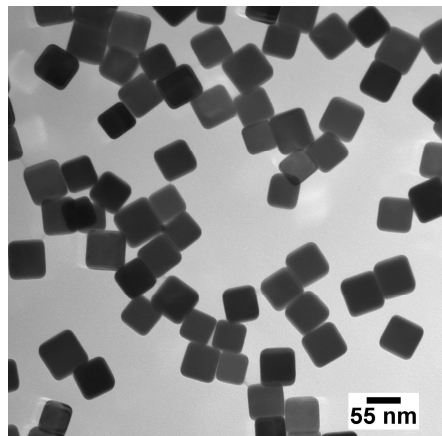
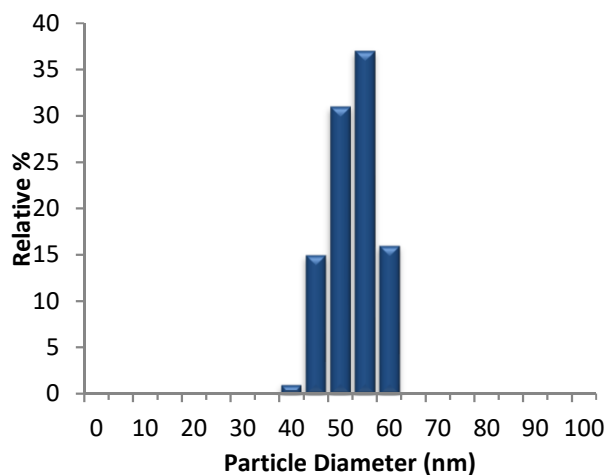
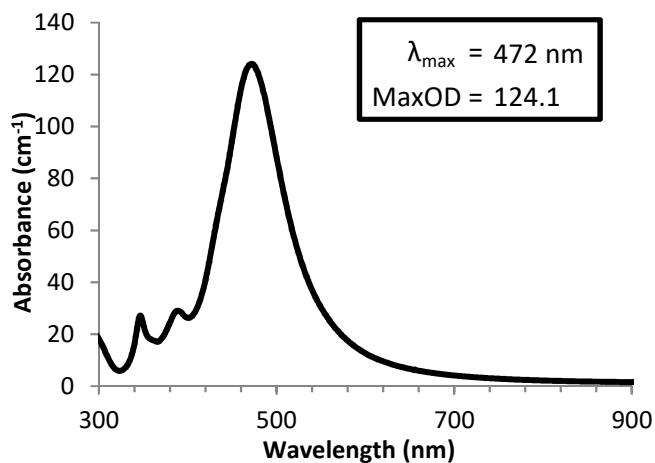


55 nm Silver Nanocubes, PVP, NanoXact™

Product Number: SCPH55
Lot Number: JRO0147

Diameter ± Std.Dev (TEM):	55 ± 4 nm	Particle Surface:	PVP 55 kDa (Polymer)
Coefficient of Variation:	7.8 %	Solvent:	1 mg/mL PVP55 in Ethanol
Mass Concentration:	1.02 mg/mL	Hydrodynamic Diameter:	107 nm
Particle Concentration (Calc'd):	5.8E+11 particles/mL	Zeta Potential:	-28 mV
Molar Particle Concentration:	9.6E-10 particle # (mol/L)	Zeta pH: 5.7	Zeta Solvent: USP Purified Water
Surface Area (Calc'd):	10.2 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 solvent evaporation, store in a cool place, minimize bottle head space and cap tightly.