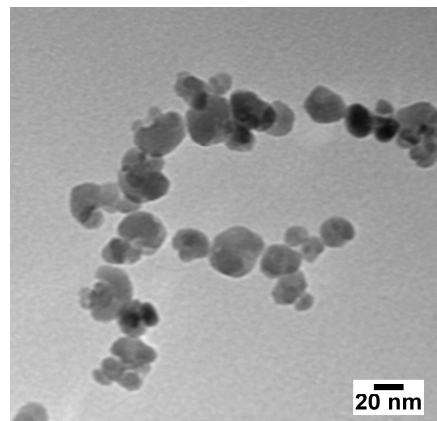
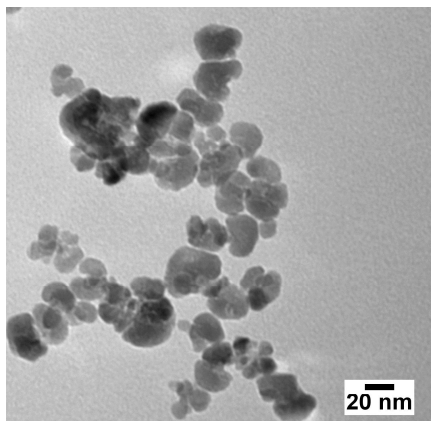
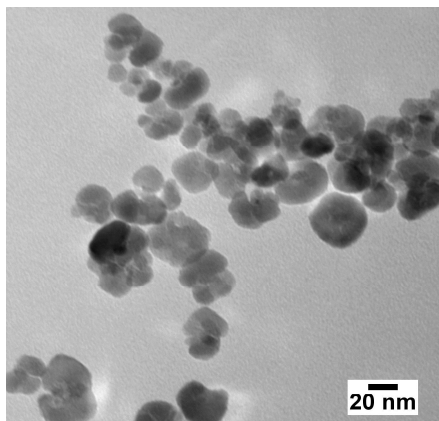


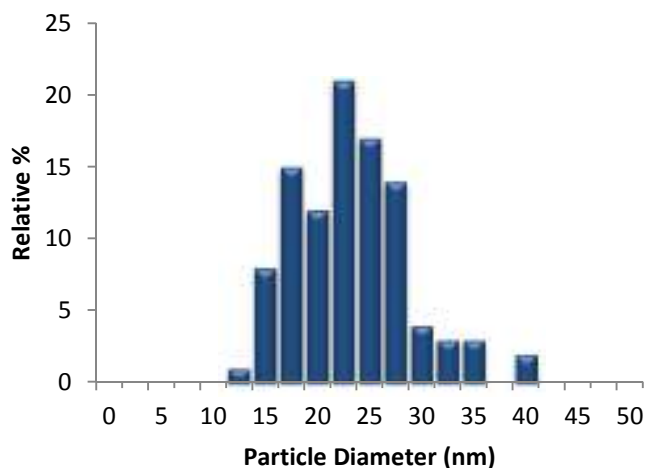
20 nm PVP NanoXact™ Magnetite

Lot Number: ECP1476

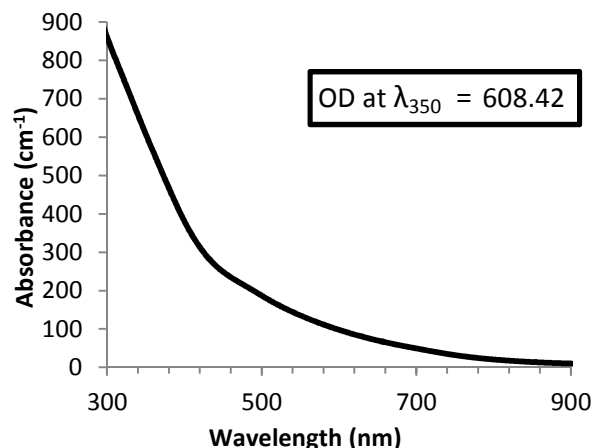
Diameter (TEM):	22 ± 5.5 nm	Hydrodynamic Diameter:	44 nm
Coefficient of Variation:	25.1 %	Zeta Potential:	-61 mV
Surface Area (TEM):	46.1 m ² /g	pH of Solution:	6.7
Mass Concentration Calc'd (Fe₃O₄):	21.7 mg/mL	Particle Surface:	PVP
Particle Concentration:	7.4E+14 particles/mL	Solvent:	Aqueous 2mM Citrate



Size Distribution



Optical Properties



Characterization Instrumentation

Diameter and Size Statistics:	JEOL 1010 Transmission Electron Microscope
Mass Concentration:	Thermo Fisher X Series 2 ICP-MS
Spectral Properties:	Agilent 8453 UV-Visible Spectrometer
Hydrodynamic Diameter/Zeta Potential:	Malvern Zetasizer Nano ZS.

Shake vigorously before use. Bath sonicate if needed. Storage: 2-25 °C. DO NOT FREEZE.