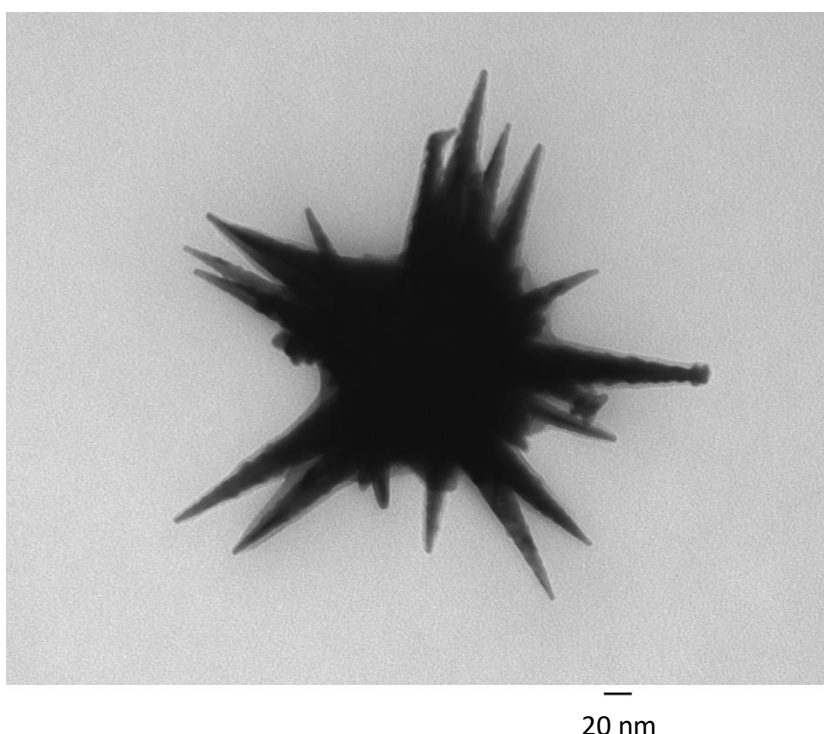




NANOBRAND

## super branched Gold nanostars Au<sub>900</sub>, B-PEI-coated

Average core size, (TEM)	137.7nm ± 20.3nm (15%)
Average branches length, (TEM)	61.3nm ± 31.6nm
Average effective diameter, (TEM)	216.3nm
Mass of gold:	1000 µg/mL
UV-vis peak max at:	950nm
Gold purity:	99.99 %
Particle surface:	Branched polyethyleneimine, Av. Mw=25,000
Solvent:	Milli-Q water (18.1 MΩ-cm)
Particles surface charge:	positive
Particle concentration:	9.78E+9 particles/mL
Molar particles concentration:	0.0163 nM
Mass of a single particle	1.02E-10 mg



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



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