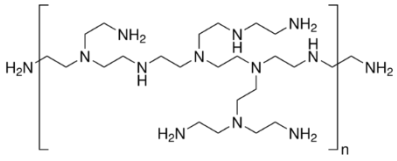
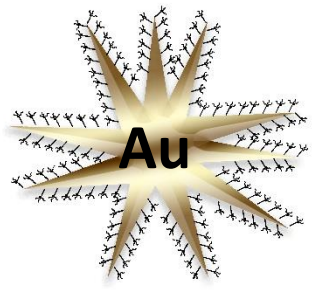
NANOBRAND

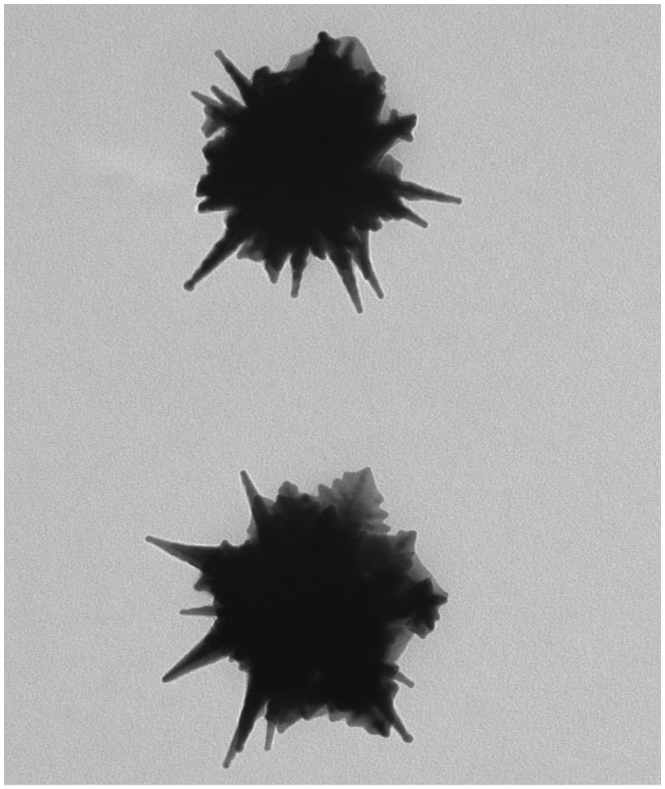
Gold nanostars Au_{1050}, B-PEI-coated

Average core size, (TEM)	159.9nm ± 16.8nm (10.5%)
Average branches length, (TEM)	53.5nm ± 22.0nm
Average effective diameter, (TEM)	226.1nm
Mass of gold:	1000 µg/mL
UV-vis peak max at:	1050nm
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:	8.56E+9 particles/mL
Molar particles concentration:	0.0143 nM
Mass of a single particle	1.17E-10 mg

B-PEI







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

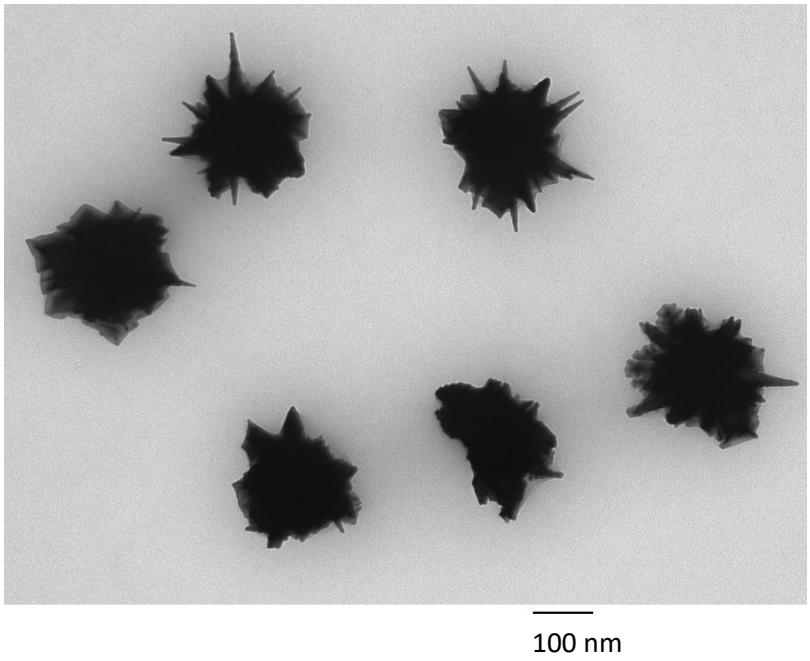
NanoBrand
2300 Alfred-Nobel
Montreal Quebec H4S 2A4 CANADA

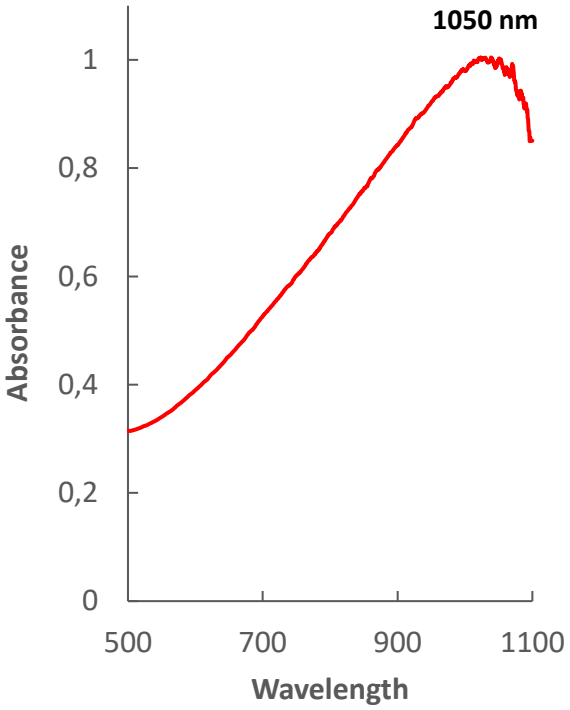
nanobrand.com

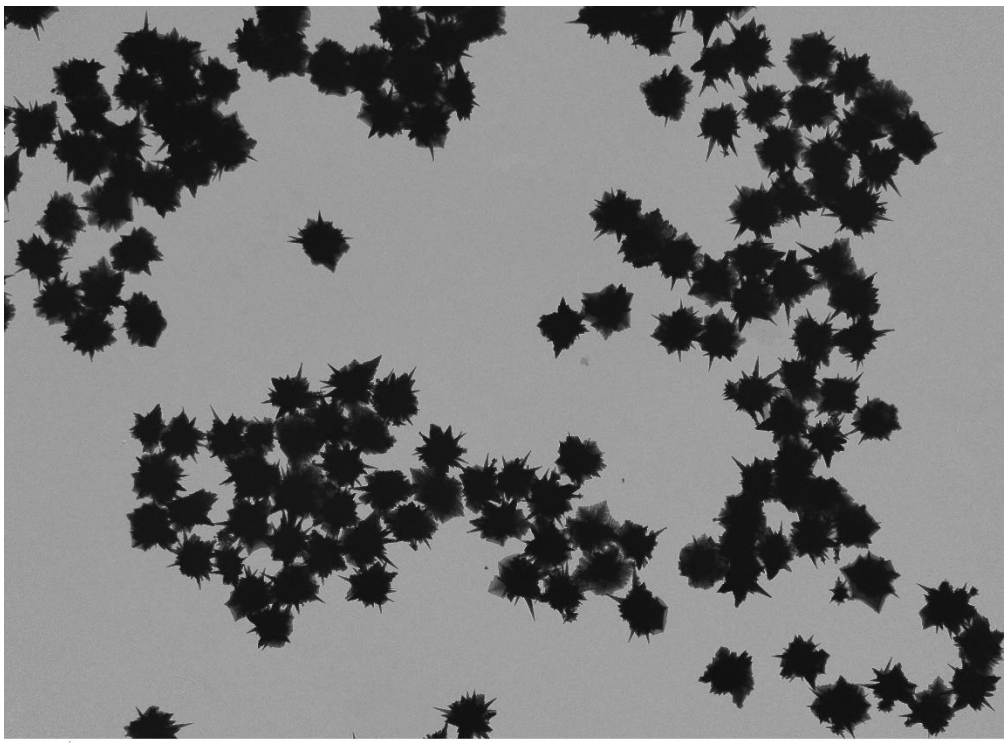
customer@nanobrand.com
Phone: 514 506-1560

NANOBRAND

Gold nanostars Au_{1050}, B-PEI-coated







NanoBrand
2300 Alfred-Nobel
Montreal Quebec H4S 2A4 CANADA

nanobrand.com

customer@nanobrand.com
Phone: 514 506-1560