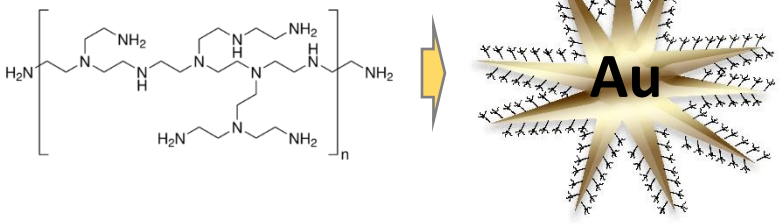
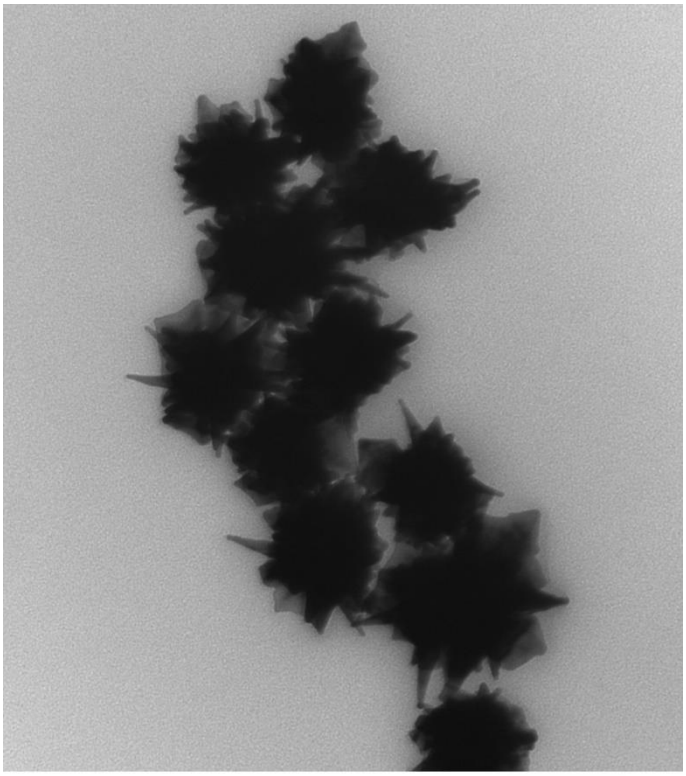
NANOBRAND

Gold nanostars Au_{850}, B-PEI-coated

Average core size, (TEM)	84.1nm ± 13.8nm (16%)
Average branches length, (TEM)	29.7nm ± 9.2nm
Average effective diameter, (TEM)	101.1nm
Mass of gold:	1000 µg/mL
UV-vis peak max at:	850nm
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:	9.57E+10 particles/mL
Molar particles concentration:	0.16 nM
Mass of a single particle	1.04E-11 mg

B-PEI





100 nm

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

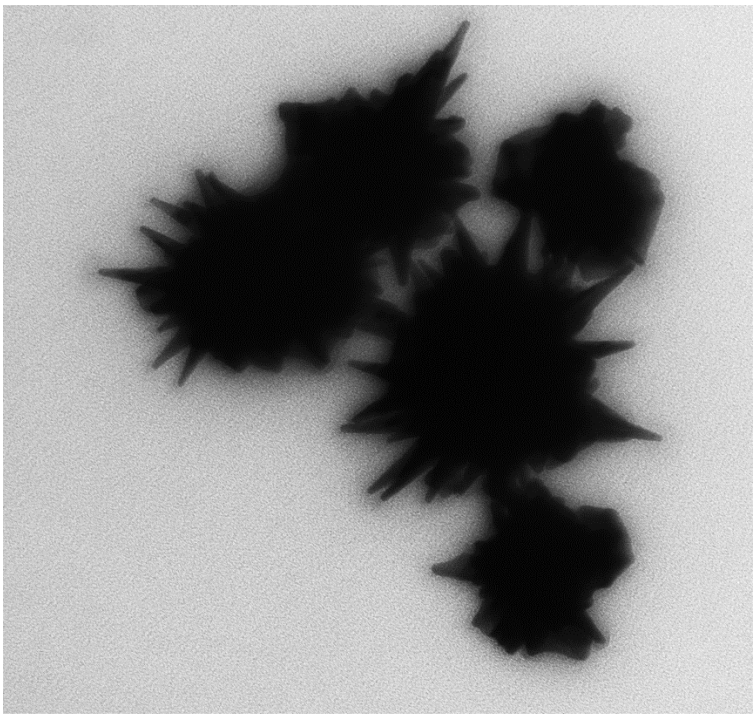
NanoBrand
2300 Alfred-Nobel
Montreal Quebec H4S 2A4 CANADA

nanobrand.com

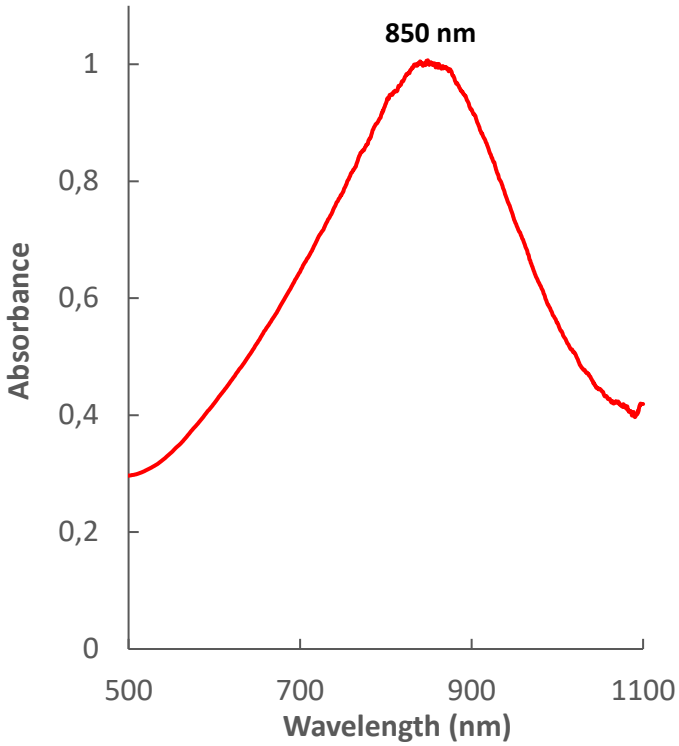
customer@nanobrand.com
Phone: 514 506-1560

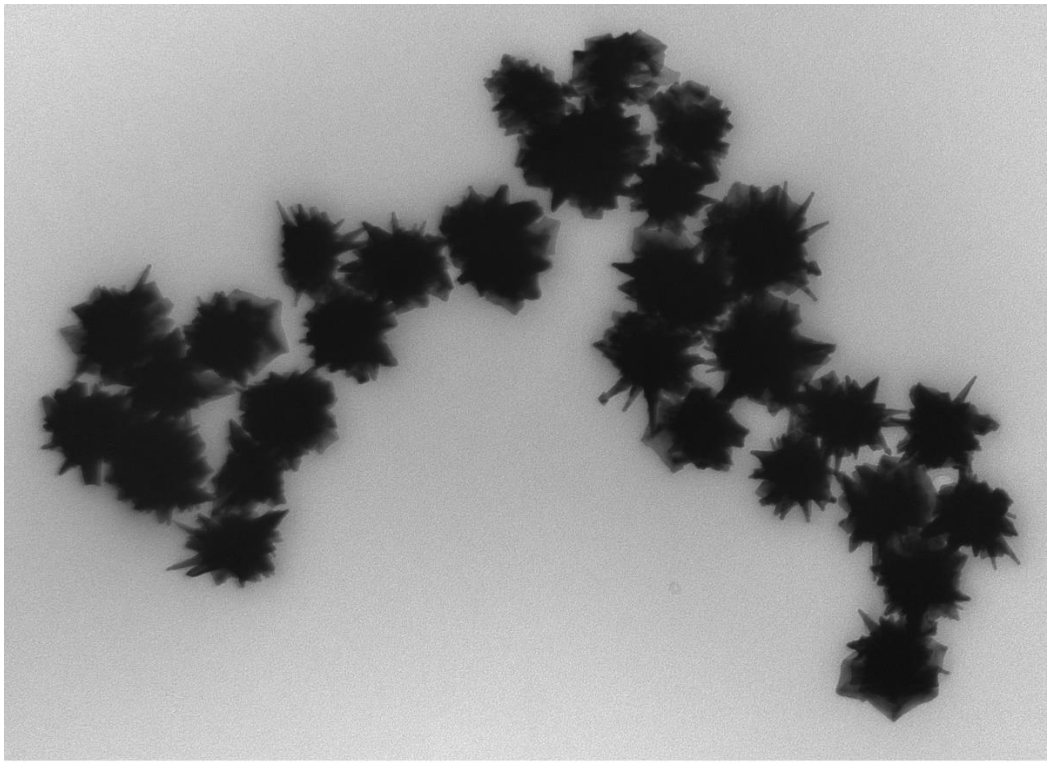
NANOBRAND

Gold nanostars Au_{850}, B-PEI-coated



20 nm





100 nm

NanoBrand
2300 Alfred-Nobel
Montreal Quebec H4S 2A4 CANADA

nanobrand.com

customer@nanobrand.com
Phone: 514 506-1560