

Platinum and Palladium Coated Gold Nanorodz™

Nanopartz™ has developed a revolutionary new nanomaterial – platinum and palladium coated gold nanorods specifically for use in catalytic applications. These nanorods, approximately 25 x 75 nm in size, exhibit high catalytic activity with its high surface area.

Features

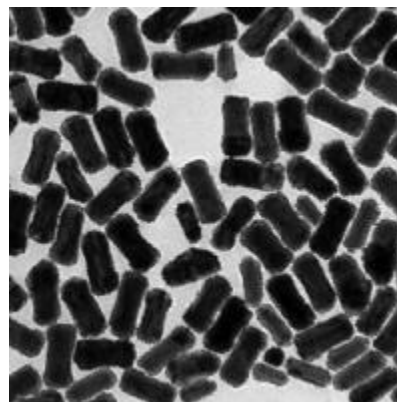
- High catalytic activity
- Extremely high surface area

Benefits

- Improved reaction times
- Better production and storage

Applications

- Air purification
- Chemical catalysis
- Diesel catalytic converters
- Production and storage of Hydrogen



Composition

Gold colloid coated with platinum or palladium over platinum on gold nanorods in DI water.

Products

For larger quantities, or for orders amounting over 1 L per annum, please contact sales for quantity pricing. There is significant OEM volume pricing available. Please contact us.

Delivery

All shipments are made Fed Ex Standard Overnight delivery. No shipments on Fridays.

Specifications

In batch size variation	< 10% CV
Shape monodispersity	>95% nanorods
Longitudinal sizes available	25 nm

Part #	Transverse Diameter (nm)	Longitudinal Length (nm)	NPS/ml	Wt. conc (µg/ml)	Wt. %	PPM	Molarity (µM)
40-PT-25-75-20	25	75	1E+11	91	0.01%	91.1	218
40-PD-25-75-20	25	75	1E+11	91	0.01%	91.1	218

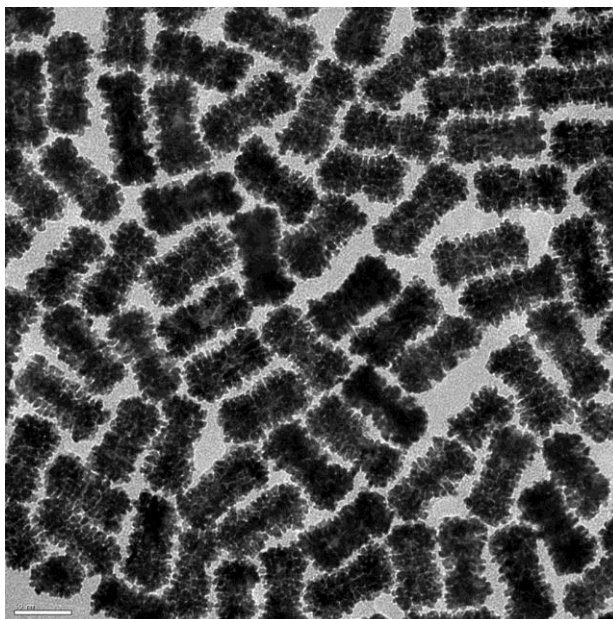


Figure 1 Platinum coated Gold Nanorodz™

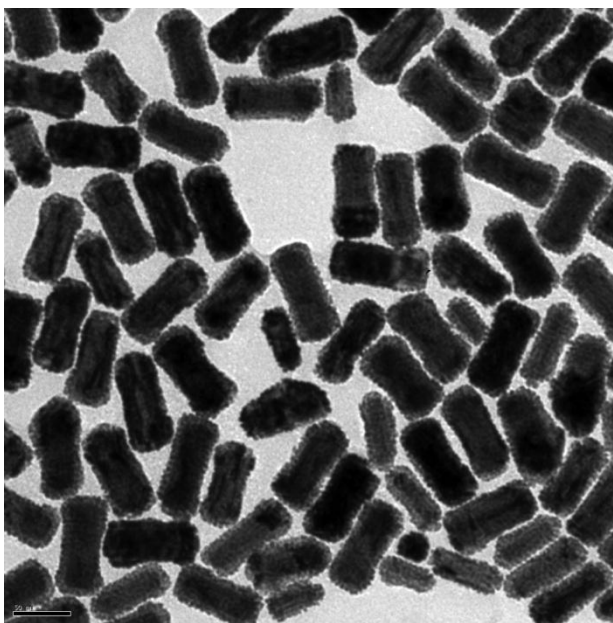


Figure 2 Palladium coated Platinum Gold Nanorodz™