

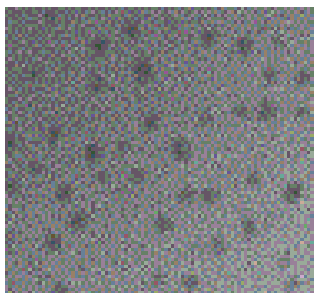
## TECHNICAL DATA SHEET

### Functional Gold Nanoclusters

Catalog Numbers: GC25-AM, BS, CA, BS, LS, PEG-1

#### Description:

**Gold nanocluster** products provided by Nanocs were synthesized by proprietary methods. These gold nanoclusters are consisted of 25 gold atoms. Size of these nanoclusters is in the range of 1-2 nm. Unlike regular gold nanoparticles, Nanocs **Au25 gold nanoclusters** have definite gold atoms that show distinct physical and chemical properties. **Au25 gold nanoclusters** have strong red fluorescence around 680 nm upon excited by light in the range UV region (350~450 nm). These gold nanoclusters can be further coated with proteins, such as BSA, enzymes, such as lysozyme and peptides or PEG to offer more stable structure. Surface coated gold nanoclusters can be used to detect metal ions, virus, or used for cellular surface receptor mapping. Nanocs also provides various surface modified silica/gold nanoparticles with a wide range of specifications to suit different applications



#### Handling and Use:

Although no-known knowledge about the hazards of our **Au25 Gold Nanoclusters**, caution should be taken when handle this material. All materials should be handled with professional manner.

#### Storage Conditions:

**Au25 Gold nanocluster** products should be stored at 4-8 °C for best use. Protect from light. Do not freeze.

**This product is for research use only and is not intended for use in humans or for diagnostic use.**

#### Product Specifications:

- Composition: **Au25 Gold nanoclusters** in aqueous solution.
- Appearance: Light orange.
- Cluster size: 25 Au atoms.
- Color under UV: Red.
- Functionality: See on label.
- Gold concentration: 0.01% gold (w/v).

#### To Order:

Order online: **[www.nanocs.net](http://www.nanocs.net)**

Order by Email: [sales@nanocs.com](mailto:sales@nanocs.com)

Order by phone: 1(800) 388-4221; 1(888) 908-8803

For more information, visit [www.nanocs.net](http://www.nanocs.net)