

TECHNICAL DATA SHEET

NANOCS[™] Gold Nanoparticles

Catalog Numbers: GP01-2,3,5,10,15,20,30,40,50,60,80,100,150,200-XX

Description:

Nanocs' spherical gold nanoparticles are monodispersed gold nanoparticles with narrow size distribution (<15%).

These particles were made from chemical reduction in de-ionized water solution. A number of surface coated nanoparticles have been developed by Nanocs to provide superior stability and multifunctionaliy.

These particles are useful for generating various gold nanoparticle probes to detect various biomolecules in SEM, TEM, light microscopy and blotting.

Product Specifications:

- Appearance: Red, purple red or orange liquid depends on size;
- Composition: Spherical gold nanoparticles in deionized water with small amount of citrate;
- Particle size: 2~200 nm as labeled;
- Concentration: 0.1 mg/mL (0.01% v/w) based on gold;

Storage Conditions:

Product should be stored at $2 \sim 8$ ^oC for best use.

Particle Concentration:

Particle Size	Concentration	Particles/mL
(nm)	(mg/mL)	
2	0.1	1.5x10 ¹⁴
3	0.1	1.2x10 ¹⁴
5	0.1	5.0x10 ¹³
10	0.1	5.7x10 ¹²
15	0.1	1.4x10 ¹²
20	0.1	7.0x10 ¹¹
30	0.1	2.0x10 ¹¹
40	0.1	9.0x10 ¹⁰
50	0.1	4.5x10 ¹⁰
80	0.1	2.6x10 ¹⁰
100	0.1	1.1x10 ¹⁰
150	0.1	5.6x10 ⁹
200	0.1	1.7x10 ⁹

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

To Order:		
Order online:	www.nanocs.net	
Order by Email:	sales@nanocs.com	
Order by phone:	1(800) 388-4221; 1(888) 908-8803	
For more information, visit www.nanocs.net		

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