NANOCS

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TECHNICAL DATA SHEET

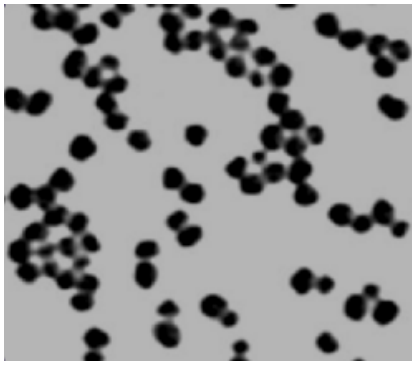
NANOCS™ Gold nanoparticles, fluorescently labeled

Catalog Numbers: GP3,5,10,15,20,30,40,50,60,80,100,150,200-FC/RB/S3/S5/S55-1

Included products: FITC Gold Nanoparticles, Rhodamine Gold Nanoparticles, Cy3 Gold, Cy5 Gold, Cy5.5 Gold, Cy7 Gold, Cy7.5 Gold

Description:

Nanocs' **fluorescently labeled gold nanoparticles** were prepared from monodispersed gold nanoparticles with narrow size distribution (<15%). Fluorescent molecules, including fluorescein, Rhodamine, Cyanine dyes and many other fluorophores, were coated to the surface of gold nanoparticles via a stable, hydrophilic polymer layer. These fluorescently labeled gold nanoparticles are stable in aqueous solution and they are useful for generating various gold nanoparticle probes to detect biotargets in SEM, TEM, light microscopy and blotting.



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

Excitation/Emission of fluorophores:

Fluorophores	Ex/Em (nm)
Fluorescein	490/520
Rhodamine B	544/576
Cy3	550/570
Cy5	650/670
Cy5.5	675/694
Cy7	743/767
Alexa Fluor 488	491/515
Alexa Fluor 546	553/569
Alexa Fluor 647	650/665
Alexa Fluor 680	679/702

Note: Actual fluorescent properties may be varied due to plasmonic effect from gold nanoparticles. Fluorescent emission may be quenched, strengthened or shifted due to those effects.

Product Specifications:

- Appearance: Purple, red or orange liquid depends on size and fluorophores;
- Composition: Spherical gold nanoparticles labeled with different fluorophores;
- Particle size: 2~200 nm as labeled;
- Concentration: 0.5 mg/mL (0.05% v/w) based on gold;

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

Storage Conditions:

Fluorescent gold nanoparticles should be stored at 2~8 ^{0}C for best use. Protect from light.