

## TECHNICAL DATA SHEET

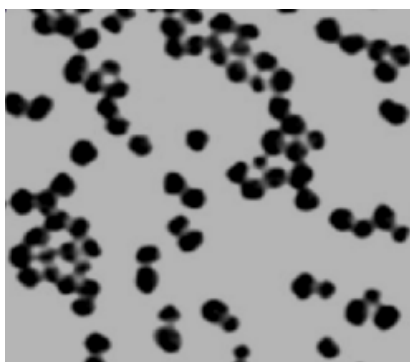
# NANOCS™ Streptavidin Conjugated Gold Nanoparticles

Catalog Numbers: GNA-2,3,5,10,15,20,30,40,50,60,80,100,150,200,250-1,2

Similar products: Avidin Gold Particles, Neutravidin Coated Gold Nanoparticles, Streptavidin Colloidal Gold

### Description:

**Streptavidin conjugated gold nanoparticles (Streptavidin Gold)** from Nanocs are spherical, monodispersed gold nanoparticles with narrow size distribution (<15%). These particles were made from chemical reduction in de-ionized water solution.



**Streptavidin conjugated gold nanoparticles** can bind to biotin molecule with high affinity. Nanocs also developed a number of surface coated nanoparticles that provide superior stability and multifunctionality. These particles are useful for generating various gold nanoparticle probes to detect various biomolecules in SEM, TEM, light microscopy and blotting.

### Particle Concentration:

Particle Size (nm)	Concentration (mg/mL)	Particles/mL
2	0.5	$7.5 \times 10^{15}$
3	0.5	$6.0 \times 10^{15}$
5	0.5	$2.5 \times 10^{14}$
10	0.5	$2.8 \times 10^{13}$
15	0.5	$6.0 \times 10^{12}$
20	0.5	$3.5 \times 10^{12}$
30	0.5	$1.0 \times 10^{12}$
40	0.5	$4.5 \times 10^{11}$
50	0.5	$2.3 \times 10^{11}$
80	0.5	$1.3 \times 10^{11}$
100	0.5	$5.5 \times 10^{10}$

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

### Product Specifications:

- Appearance: Red, purple red or orange liquid depends on size;
- Composition: **Streptavidin Gold Nanoparticles** in 50 mM phosphate buffer, pH 7.4 with 10% glycerol, 0.1% BSA and 0.01% sodium azide;
- Particle size: 2~100 nm as labeled;
- Concentration: 0.05% (w/v) based on Au.  
Around 25~50 µg **streptavidin** per mL solution.

### Storage Conditions:

**Streptavidin Gold Particles** should be stored at 2~8 °C for best use. DO NOT FREEZE!

### 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)

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