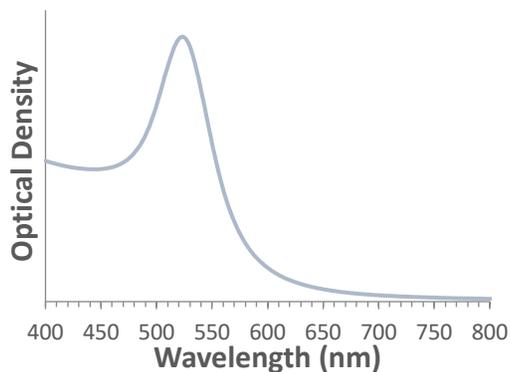
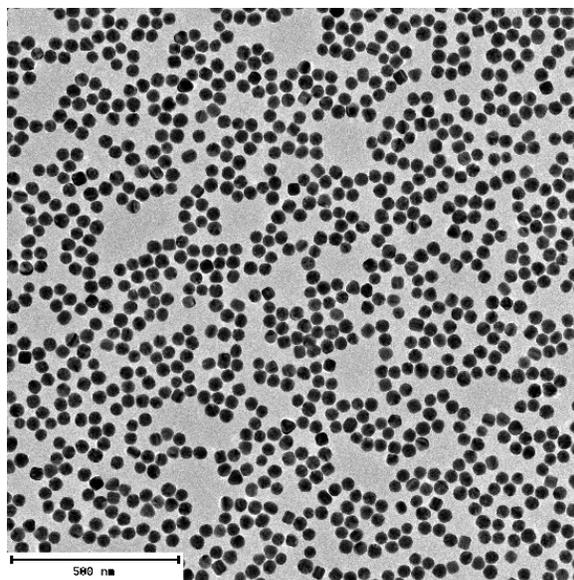




40 nm Colloidal Gold Spheres (1 Liter) Catalog Number: AU2014-01

Highly stable and uniform 40 nm gold nanoparticles can be supplied in a range from 1 OD to 100 OD. The quality and performance of a conjugate is critical to successful lateral flow test manufacturing. Our products are made in USA and produced in a state-of-the-art manufacturing facility that enable rapid turnaround times while ensuring batch to batch consistency and reliability.

Product Specs for OD=1	
Particle Diameter	40 nm +/- 2.5nm
Absorption Max	523 nm
Number of Particles/mL	5.8×10^{10}
Gold concentration (mg/mL)	$3.7-4.2 \times 10^{-2}$
Molar Concentration (moles/liter)	96 pM
Zeta potential	-47.3 mV
pH	7.5



Suggested Storage and Handling Procedures: Store at 2 – 25°C. DO NOT FREEZE. Freezing will induce irreversible aggregation of particles and destroy the product. Bring to room temperature and Shake vigorously for 30 seconds to ensure particles are fully dispersed before use before each use.

Related products:

AU2012-01: 10nm Colloidal Gold

AU2013-01: 40nm Colloidal Gold

AU2015-01: 60nm Colloidal Gold