

## SPHERO™ Gold Nanoparticles

### Gold Nanoparticles

- 20, 30, & 60nm Citrate Gold Nanoparticles
- Available in 1nM and 5nM concentrations
- Suitable for protein & oligonucleotide adsorption and surface modification

### Biotin Gold Nanoparticles

- Covalently bound to the surface coating of gold nanoparticle
- Used in conjugation with streptavidin-labeled reagents such as antibodies or protein for lateral flow

### Streptavidin Gold Nanoparticles

- Covalently bound to the surface coating of gold nanoparticle
- Used in conjugation with biotinylated reagents such as antibodies or protein for lateral flow immunoassays

### T25 DNA Gold Nanoparticles

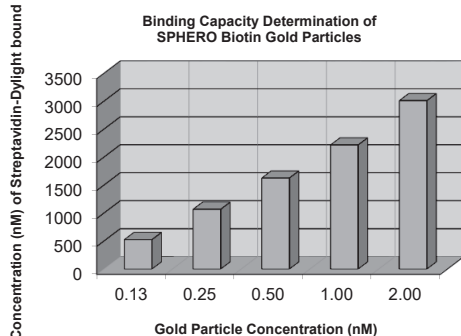
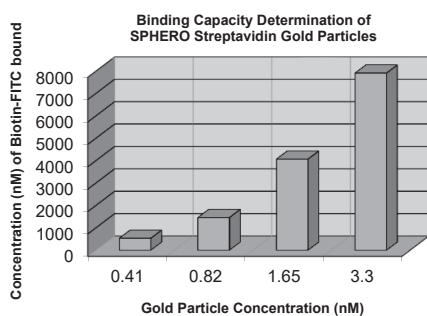
- Used for the detection and identification of oligonucleotides
- Allow for simple, rapid and reliable binding of Biotinylated PCR hybridized with a poly(dA)-tailed oligo

### Custom Gold Nanoparticles

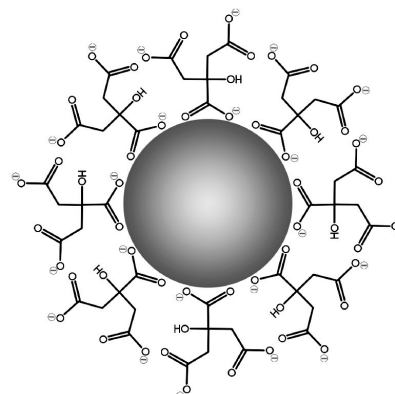
- Aptamer, Antibody, scFV, PEG & DNA coated gold nanoparticles upon request

Particle Type and Surface	Size, nm	nM	Catalog No.	Unit
Citrate Gold	15-20 nm	1.0	AuP-002-20	20 mL
Citrate Gold	15-20 nm	5.0	AuP5-002-20	20 mL
Citrate Gold	25-35 nm	1.0	AuP-003-20	20 mL
Citrate Gold	25-35nm	5.0	AuP5-003-20	20 mL
Citrate Gold	55-65 nm	1.0	AuP-006-20	20 mL
Citrate Gold	55-65 nm	5.0	AuP5-006-20	20 mL
Biotin Gold	15-20 nm	3.0	TAuP-002-1	1 mL
Biotin Gold	15-20 nm	3.0	TAuP-002-5	5 mL
Streptavidin Gold	15-20 nm	3.0	SVAuP-002-1	1 mL
Streptavidin Gold	15-20 nm	3.0	SVAuP-002-5	5 mL
T20 Gold	15-20 nm	1.0	OdT(20)AuP-002-1	1 mL
T20 Gold	15-20 nm	1.0	OdT(20)AuP-002-5	5 mL
T25 Gold	15-20 nm	1.0	OdT(25)AuP-002-1	1 mL
T25 Gold	15-20 nm	1.0	OdT(25)AuP5-002-5	5 mL

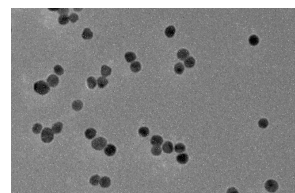
Gold Nanoparticles



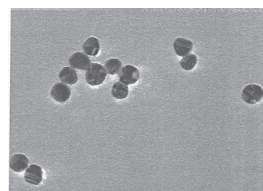
Characterization of SPHERO™ Streptavidin and Biotin Gold Particles with a Molecular Devices SpectraMax Gemini EM



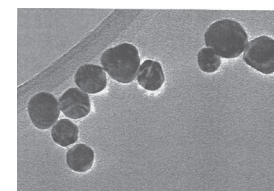
Citrate-capped Gold Nanoparticle



TEM of 20nm Streptavidin Coated Gold Nanoparticles



TEM 30nm Gold Nanoparticles



TEM 60nm Gold Nanoparticles