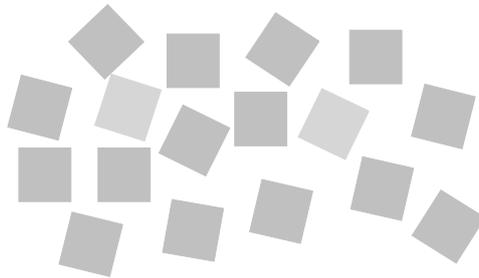


Silver Nanocubes

DESCRIPTION

Silver nanocubes are garnering considerable attention due to their distinctive morphology that imparts unique optical, electric, and chemical properties that are highly tunable.



Biotyscience provides Silver Nanocubes of various sizes to meet the needs of different users for different purposes. Biotyscience's Silver Nanocubes products use deionized water as the solvent, and the CTAB content of the cosolvent does not exceed 0.01 M.

The product has a high degree of stability in water and can be evenly dispersed for several months without sedimentation. Each batch of products is synthesized through precise steps and characterized by independent visible/infrared extinction spectroscopy. Different batches of products have excellent repeatability.

PRODUCT INFORMATION

Type	Gold Nanocubes
Diameter	50 nm, 75 nm, 100 nm
Surface	PVP
Concentration	0.05 mg/ml
Size	10 ml
Buffer	Supplied in Ethanol (PVP, 0.2 mg/mL) / water=1:1 (v/v).
Storage	Stored at 2 - 8°C. Do not freeze. Protect from light.

Applications

Plasmonic Sensing

Surface Enhanced Raman Scattering (SERS)

Metamaterials

Catalysis

Bionanotechnology

Storage

Store product away from direct sunlight at 2-8 ° C.

Do NOT freeze. Freezing causes irreversible aggregation of the gold nanoparticles.

When stored as specified the product is stable for at least six months.

Ultrasound for 1 minute before use, and then vortex gently, or shake the solution manually until the silver nanocube precipitates are evenly dispersed.

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