Glucose Gold Nanoparticles

DESCRIPTION

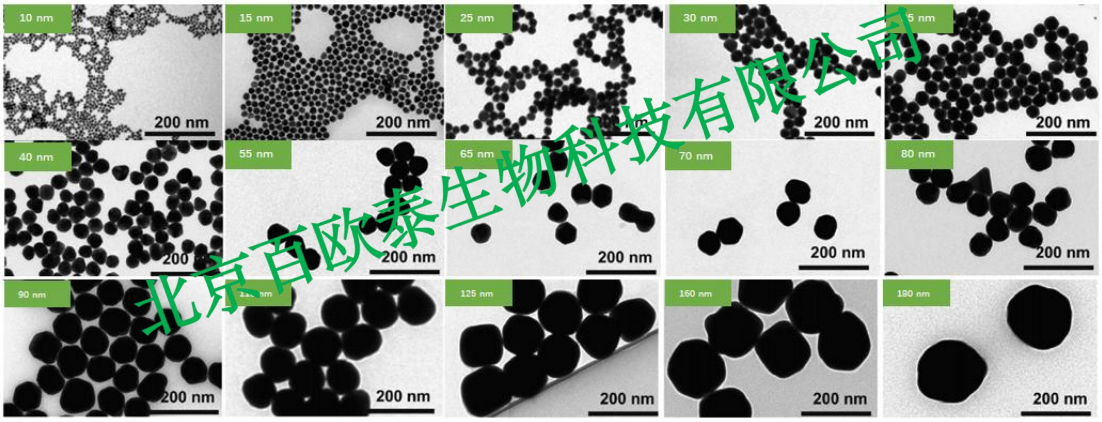
Gold nanoparticles are widely used in the field of glucose sensors, and have some characteristics, such as good biocompatibility, no toxicity to biomolecules, cells and tissues, etc. A stable gold-sulfur bond can be formed between gold and molecules with sulfhydryl groups under mild conditions, which can be small organic molecules or biomolecules, so it is easy to realize the modification of gold nanoparticles. The preparation method of gold nanoparticles is simple, and its morphology and size are easy to control.

Beijing Biotyscience Co. Ltd provides high-quality glucose gold nanoparticles of different sizes. Glucose-modified Au nanoparticles have the advantages of better biocompatibility, better dispersion and stability, and their susceptibility to in-vivo degradation and low cytotoxicity.

PRODUCT INFORMATION

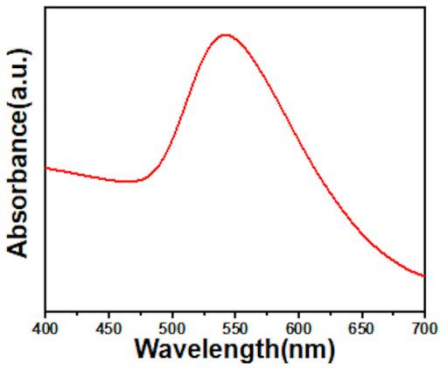
Type	Gold Nanoparticles
Core size	5 nm - 100 nm
Surface	PEG-Glucose
Concentration	0.05 mg/ml (or others)
Size	10 ml
Storage	Stored at 2 - 8°C. Do not freeze. Protect from light.
Shelf life	6 months

Transmission electron microscopy (TEM)

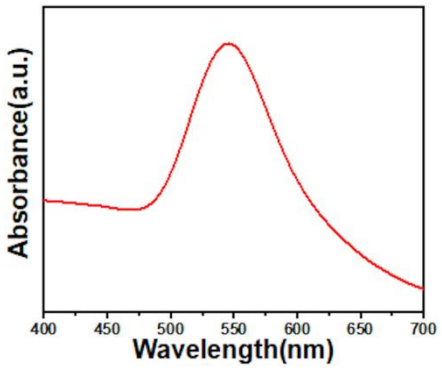


Transmission electron microscopy (TEM) of Biotyscience gold nanoparticles of different sizes

UV-Vis spectrum



Gold Nanoparticles, 60 nm



Gold Nanoparticles,80 nm

Applications

Radiotherapy as radio-sensitizer

Bioelectrochemistry

Drug carriers

Cancer treatment

Tumor targeting function

Storage

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

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

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

Contact Us

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