

Hi-Colloidal™ Gold Nanoparticles-40 nm

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
MBNPG001	MBNPG001 -25ML	25ml
	MBNPG001 -100ML	100ml
	MBNPG001 -1000ML	1000ml

Intended Use: Recommended for bioconjugation of biomolecules and used in diagnostic kits.

Intended User: Pharmaceutical, healthcare, food, Medical industries.

Introduction:

Colloidal gold is a sol or colloidal suspension of nanoparticles of gold in a fluid, usually water. The field of Gold Nanoparticles applications is increasing day by day due to its strong adsorption, high biocompatibility and large surface area-to-volume ratio. Hi-Colloidal™ Gold Nanoparticles is extensively used for biomedical, diagnostics, therapeutics, sensors, probes and catalysis applications. The optical and electronic properties of gold nanoparticles are tunable by changing the size, shape, surface chemistry, or aggregation state.

Description:

Citrate stabilized gold nanoparticles, Optical Density (OD) 1, absorbance max (λ max 529-533 nm).

Application:

Passive adsorption of antibody, peptide, protein and other ligands to form gold nanoparticle conjugates, which can be used in blotting, lateral flow assays, drug delivery, electron microscopy and immunohistochemistry applications.

Product Information

Form	: Liquid
Colour	: Red-Pink
Solvent	: Purified Water
Functional Group	: Citrate
Diameter	: 40 \pm 5 nm
Optical Density (OD)	: 1 OD
Absorption Max	: 529-533 nm
Suitability Test	: This reagent has been tested and is suitable for use in various techniques such as dipstick assay, lateral flow immunoassays, immunochromatography etc.

Storage conditions:

Store product away from direct sunlight at 2-8°C. Do not freeze. Freezing causes irreversible aggregation of the silver nanoparticles. The product is stable for 12 months when stored as specified.

Please refer disclaimer Overleaf.

Warning and Precautions

Not for Medicinal Use. Read the SDS carefully before beginning the protocol. Wear protective gloves/protective clothing/eye protection/face protection. Follow good clinical laboratory practices while handling clinical samples. Standard precautions should be followed as per established guidelines. Safety guidelines may be referred in safety data sheets of the product.

Performance and Evaluation

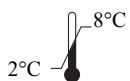
Performance of the solution is expected when the solution is stored at recommended temperature and within the expiry period.

Safety Information

The Hi-Colloidal™ Gold Nanoparticles-40 nm is for laboratory use only, not for drug, household or other uses. Take appropriate laboratory safety measures and wear gloves and safety goggles when handling. Not compatible with disinfecting agents containing bleach. Please refer the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices.

Technical Assistance

At HiMedia we pride ourselves on the quality and availability of our technical support. For any kind of technical assistance, mail at mb@himedialabs.com.



Storage temperature



Do not use if package is damaged



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Disclaimer :

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