

Hi-Colloidal™ Gold Nanoparticles-20 nm

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
MBNPG002	MBNPG002 -25ML	25ml
	MBNPG002 -100ML	100ml
	MBNPG002 -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 518-523 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	: Wine Red
Solvent	: Purified Water
Functional Group	: Citrate
Diameter	: 20 ±5 nm
Optical Density (OD)	: 1 OD
Absorption Max	: 518-523 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

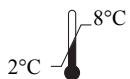
Performance of the solution is expected when the solution is stored at recommended temperature and within the expiry period.

Safety Information

The Hi-Colloidal™ Gold Nanoparticles-20 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



HiMedia Laboratories Private Limited,
Reg. Off: Plot No. C-40, Road No. 21Y,
MIDC, Wagle Industrial Area, Thane,
(West) 400604, Maharashtra, INDIA.
Web: www.himedialabs.com



02/2024

PIMBNPG002_0/0223

MBNPG002-01

Disclaimer :

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

HiMedia Laboratories Pvt. Ltd. Reg.office : Plot No. C-40, Road No. 21Y, MIDC, Wagle Industrial Area, Thane, (West) 400604, Maharashtra, INDIA.
Customer Care No.: 00-91-22-6116 9797 Tel: 00-91-22-6147 1919, 6903 4800 | Email: techhelp@himedialabs.com | Website: www.himedialabs.com