

# Product Datasheet

## 10nm Streptavidin Gold Conjugate (100D) 252-1000

Unit Size: 1 ml

Store at 4C. Do not freeze.

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**252-1000****10nm Streptavidin Gold Conjugate (10OD)****Product Information**

<b>Unit Size</b>	1 ml
<b>Concentration</b>	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
<b>Storage</b>	Store at 4C. Do not freeze.

**Product Description**

<b>Description</b>	<p>InnovaCoat GOLD nanoparticles have a proprietary surface coating which covalently binds antibodies, proteins, peptides or any other biomolecule with free amine groups to form highly stable conjugates. The surface coating can withstand the most extreme conditions (e.g. 2.5M NaOH at 70oC for 2 hours), making InnovaCoat® GOLD an ideal reagent for a wide range of applications.</p> <p>Our InnovaCoat GOLD streptavidin conjugates share the stability attributes of the core nanoparticle. Furthermore, since the streptavidin is covalently bound to the surface coating of the gold nanoparticle it is unable to desorb, which is a major problem faced by competing products in which the streptavidin is directly attached to the metal.</p>
<b>Notes</b>	<p>This product is manufactured by Abcam and distributed by Novus Biologicals.</p> <p>This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt and this statement overrides any mentioned guarantee period on the limitations section of this products datasheet. Please contact <a href="mailto:technical@novusbio.com">technical@novusbio.com</a> with questions.</p>

**Product Application Details**

<b>Application Notes</b>	Streptavidin gold nanoparticle conjugates can be used in conjunction with biotinylated reagents such as biotinylated antibodies or proteins, in applications such as lateral flow immunoassays or electron microscopy.
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**Images**

10nm Streptavidin Gold Conjugate (10OD) Antibody Labeling Kit [252-1000] - Different concentrations of 10nm InnovaCoat GOLD Streptavidin (expressed as OD) and 10nm Streptavidin-gold nanoparticle conjugate from a leading competitor were compared in a lateral flow assay. A rabbit IgG-gold nanoparticle conjugate at 0.2OD was included as a control. Biotinylated BSA was immobilized at the Test line, while goat anti-rabbit antibody was immobilized at the Control line. InnovaCoat GOLD Streptavidin demonstrates a significantly stronger signal than the competitor product at the Test line.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Support products are guaranteed for 6 months from date of receipt.

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