

Product Datasheet

InnovaCoat (R) Gold 40nm Biotin 240-1000

Unit Size: 1 ml

Store at 4C. Do not freeze.

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240-1000**InnovaCoat (R) Gold 40nm Biotin****Product Information**

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

Product Description

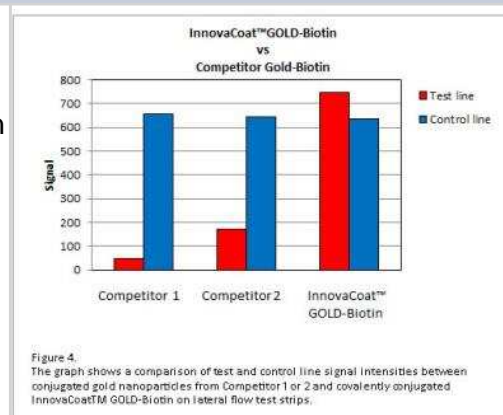
Description	<p>InnovaCoat GOLD is a unique coated nanoparticle that has an avidly bound protective surface coat which can withstand the most extreme conditions (e.g. 2.5M NaOH at 70C for 2 hours).</p> <p>By covalently attaching biotin ligand to the surface coat the resulting InnovaCoat GOLD-Biotin nanoparticles inherit the stability attributes of the core nanoparticle; moreover the biotin ligand cannot desorb, which is a major problem with all competing products in which a biotin analogue is directly attached to the metal.</p> <p>Biotin is attached to InnovaCoat GOLD via an extended linker to facilitate high affinity molecular interactions with avidin and streptavidin.</p> <p>OD (concentration): 10 Size of gold: 40 nm</p> <p>InnovaCoat GOLD Biotin demonstrates enhanced sensitivity compared to competitor products in lateral flow assays.</p>
Notes	<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 technical@novusbio.com with questions.</p>

Product Application Details

Application Notes	To determine the effective concentration of the InnovaCoat GOLD Biotin we advise to measure the absorbance of light at 530nm using an UV-vis spectrophotometer after diluting your sample to an appropriate range for your piece of equipment (e.g. if the InnovaCoat GOLD Biotin is at 10 OD and is diluted 1:10 the Abs530nm for a 1 cm light path is expected to be around 1 AU).
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Images

Flow Cytometry: InnovaCoat Gold 40nm Biotin Antibody Labeling Kit [240-1000] - The graph shows a comparison of test and control line signal intensities between conjugated gold nanoparticles from Competitor 1 or 2 and covalently conjugated InnovaCoat GOLD-Biotin on lateral flow test strips.





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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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