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### Datasheet for ABIN5665097

# Gold-in-a-Box™ Conjugation Kit, 40 nm



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Overview		
Quantity:	44 mL	
Application:	Conjugation (Con)	
Product Details		
Purpose:	The Gold-in-a-Box™ Conjugation Kit contains the reagents required to prepare highly-reactive	
	antibody or soluble-protein 40 nm gold conjugates that can be utilized in lateral-flow assays.	
Brand:	Gold-in-a-Box™	
Characteristics:	The Gold-in-a-Box™ Conjugation Kit, 40 nm, contains the reagents required to prepare highly-	
	reactive antibody or soluble protein gold conjugates that can be utilized in lateral-flow assays.	
	The key to most high-performance lateral-flow assays is the ability to covalently attach	
	antibodies/proteins to gold nanoparticles. The Gold-in-a-Box™ Conjugation Kit enables optimal	
	binding of an antibody/protein to our Naked Gold 40 nm highly concentrated gold sol, while	
	retaining a high degree of specific activity through adjusting the pH of the gold sols to slightly	
	above the isoelectric point of the coating antibody/protein. This is done through a series of pH	
	titrations with the provided buffers. The Gold-in-a-Box™ kit allows researchers and assay	
	developers to quickly (in less than 50 minutes) determine the pl and optimal coating conditions	
	for your antibody or soluble protein and to perform the conjugation reaction. A sample	
	preparation and gold conjugation procedure is provided.	
	Reagents are also provided to coat the resultant gold conjugates on polyester of glass fiber	
	ribbon.	
Components:	Naked Gold 40 nm Concentrated Gold Sol at 15 O.D./mL	
	Buffer Solution A	

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Buffer Solution B

#### **Product Details**

Buffer Solution C

Buffer Solution D

BSA Blocking Stabilizer Solution

Gold Drying Buffer

# **Application Details**

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

# Handling

Handling Advice:	Do not Freeze!	
Storage:	4 °C	
Expiry Date:	24 months	