

Welcome to an easier way.

AnteoBind™ enabled i-colloid™ gold particles

**Check out IMRA America Inc. Booth 33 at
The Advanced Lateral Flow Course 2019, San Diego**

Improve conjugate reproducibility & performance with an optimised gold colloid for lateral flow assays.

IMRA's i-colloid™ gold particles are highly stable and reproducible, and now offers the benefit of optimised binding utilising Anteo's nanoglue technology.

Bind your protein using IMRA's kit, which contains all the components needed to prepare your particles for protein conjugation and storage.

Features & Benefits

Ready-to-Use

- All buffers for protein conjugation, blocking & storage are supplied
- Blocking diluent is also supplied for preparation of your preferred blocker

Quick

- Less than half a day to produce antibody/protein conjugated gold colloids.
- No pH screening required

Effective

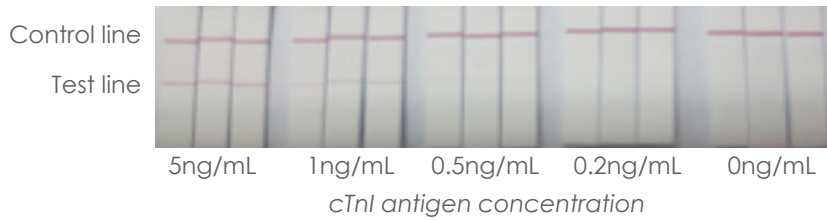
- Retained functionality through avidity binding
- Greater stability and reproducibility than conventional passive adsorption method

Versatile

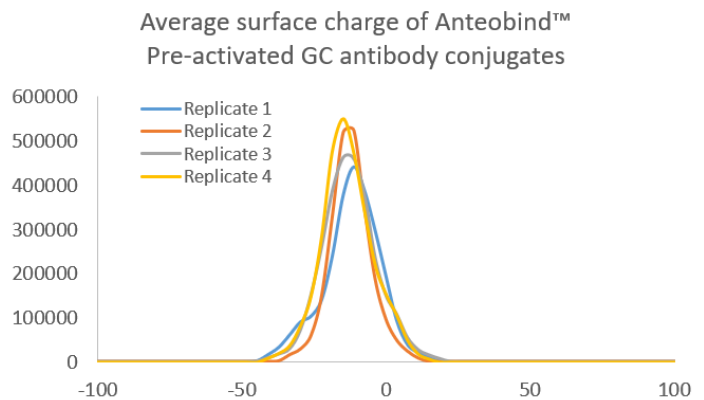
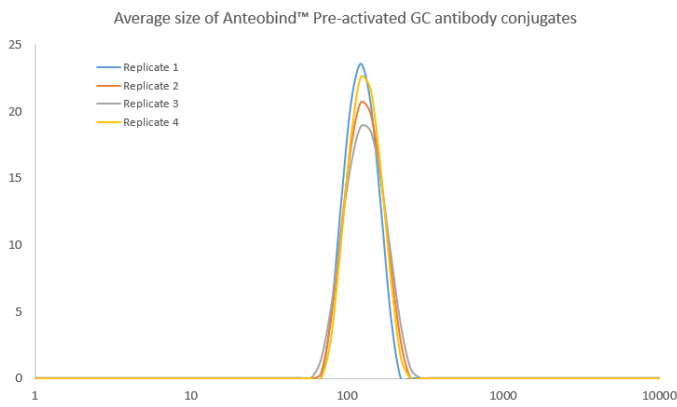
- Choose your own biological or polymer blockers

Early and accurate detection using a reliable screening platform is critical.

The presence of cardiac troponin-I (cTnI) protein can indicate myocardial ischemia and injury. The cTnI lateral flow strips below are made with AnteoBind™ activated IMRA i-colloid gold at different concentrations of cTnI antigen, providing results with greater sensitivity and lower background.



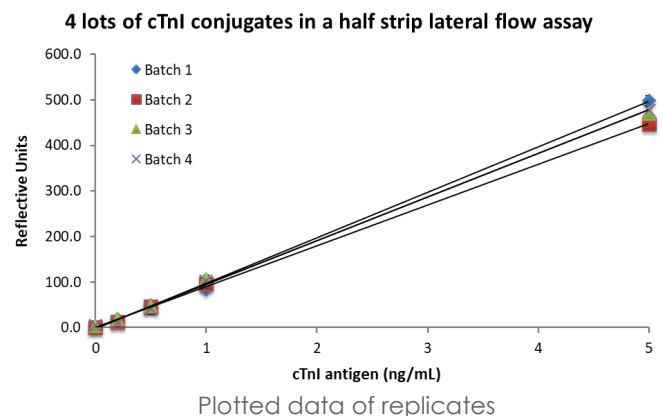
Physical characterisation of four replicates of an antibody conjugate using AnteoBind™ activated gold colloids demonstrating good particle size distribution and consistent surface charge.



Greater conjugate reproducibility translates to greater consistency in subsequent lateral flow testing.

cTnI antigen (ng/mL)	Batch 1	Batch 2	Batch 3	Batch 4
5	499.2	446.5	469.6	477.9
1	84.2	96.4	106.5	101.9
0.5	49.7	46.8	47.3	41.8
0.2	19.3	13.2	18.4	9.2
0	2.3	3.0	3.4	4.7

%CV of all points is < 20%



Contact Anteo for more information on custom bioconjugation services.

General: contact@anteotech.com
Tel: +61 7 3219 0085
Website: anteotech.com

Contact IMRA America Inc. for more information on i-colloid gold particles.

General: nano@imra.com
Tel: (734) 930-9211
Website: nano.imra.com