

VISIT US ONLINE AT WWW.BIOASSAYWORKS.COM
TO ORDER PRODUCTS OR LEARN MORE ABOUT
BIOASSAY WORKS.



OUR TECHNOLOGY MAKES THE DIFFERENCE



BAW GOLD NANOPARTICLES

Our gold nanoparticles are truly unique among the myriad of gold sols produced for rapid assay visualization. They are manufactured using a proprietary process that does not involve boiling and centrifugation and is distinctly different from the standard citrate reduction method (Turkevich Method).

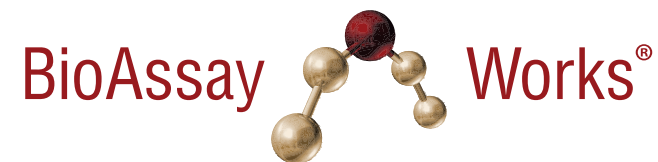
The resulting Naked Gold® nanoparticles are highly concentrated and have a spiky, uneven surface, different from the traditional spherical gold nanoparticle. These urchin-like nanoparticles produce extremely dense, vivid test lines. In addition, our production process yields a particle solution without the free radicals present in traditional gold-sol production, enabling efficient and controlled coating of the particles with desired ligands and yielding gold conjugates that enhance assay signal-to-noise ratios.



C-FLAT® ASSAY PLATFORM

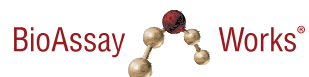
Supported by U.S. Patents 7,344,893 and 7,910,381, the C-Flat platform increases detection on the order of 2-10 fold over conventional one-step immuno-chromatographic assays. Noted differences to conventional assays are a change in location of the sample well to the underside of the cassette and its immediate contact with a conjugate membrane containing colloidal gold nanoparticles. This allows a more complete mixing of sample and gold conjugate than other systems.

The detection membrane in the C-Flat platform is characterized by high capture efficiency which is particularly advantageous in situations where the volume of sample fluids obtainable from patients (pediatric and geriatric) may be limited. The platform is also suited for analysis of samples with heavy particulate matter (ex. whole blood) without the necessity of a prefilter, as the particulate accumulates at the interface of the sample well and chromatographic material and does not interfere with the reaction site.



Rapid Tests *with Laboratory-Based Assay Sensitivity?*

BioAssay Works makes it possible.



10075 Tyler Place, #18, Ijamsville, MD 21754 USA
www.bioassayworks.com 1-301-874-8888
© 2016 BioAssay Works. All rights reserved.

ML-0001-18 11/2016

Unparalleled Tools, Technology and Partnership



Assay developers have long been forced to make a tradeoff, choosing between a rapid, easy-to-use assay or a more sensitive but complex assay. Such tradeoffs are no longer necessary—developers can achieve rapid, point-of-use tests that are simple to perform with sensitivity rivaling more complex laboratory-based assays. BioAssay Works offers developers all the needed capabilities for any partnership—from key detection tools like our **NAKED GOLD®** nanoparticle line and patented **C-FLAT®** assay platform, to our turnkey assay development and manufacturing services.

OUR PRODUCT LINES

BioAssay Works offers a variety of products for research and rapid assay development. They are available online or through our international distributors.



NAKED GOLD® NANOPARTICLES

The foundation of our product lines. Highly concentrated and available at 15-50 O.D./mL “Conjugation-ready” so that antibodies or other proteins can be coated onto the gold without the need for concentration—saving time and reducing waste.



DRESSED GOLD® CONJUGATES

Utilize our 40 nm Naked Gold that has been conjugated to a variety of antibodies, Protein A and G, Streptavidin, or biotinylated-BSA.



TELL-TALE GOLD® RIBBON

Polyester ribbon impregnated with our Protein A and Protein G conjugated gold nanoparticles and dried to ensure rapid release.



RAPID KITS

A variety of rapid, easy-to-use research tools, such as: Gold-in-a-Box® Conjugation Kits, Kidney Injury Assays, Iso-Gold™ Isotyping Kits, and QuickQuant™ Mouse IgG Quantification Kit.



LATERAL-FLOW READERS

Handheld readers and accessories make lateral-flow assays semi-quantitative.

OUR SERVICES

BioAssay Works’ superior gold nanoparticles and other critical assay reagents, and years of assay development and manufacturing experience make us an ideal partner for your project.



RAPID ASSAY DEVELOPMENT

We have successfully developed hundreds of custom rapid assays suitable for field or non-laboratory use, with lab-based assay sensitivity.

- For human diseases, veterinary medicine, food industry, pharmaceutical, biodefense, industrial monitoring devices, environmental contaminants
- Rapid tests include lateral-flow assays, dipsticks, flow-through systems, qualitative assays (yes/no), semi-quantitative assays (using reader device)
- Samples such as saliva, whole blood, serum, tears, urine, feces, biopsy fluids, cell culture supernatant, bacterial broth, food products
- Both antibody and antigen detection



ASSAY MANUFACTURING

BioAssay Works maintains a state-of-the-art facility dedicated to the production of rapid assays. It has a full range of equipment required to produce a variety of assays, including a dedicated dry room for manufacturing and assembly operations. Our fully-documented production processes can be scaled to produce small prototyping lots from 500-1000 tests up to manufacturing lots of tens of thousands of tests.

Whether producing assays in bulk or producing a finished product ready for your customers, BioAssay Works is a flexible and responsive assay manufacturing partner that can meet your needs.

What our clients say

“I have been working with BioAssay Works on a most challenging project. We managed to get a reliable and most sensitive assay developed where others failed. It is a pleasure to work with this company—technical excellence and flexibility combined with a down-to-earth approach make it one of my favorite partners.”

— CSO, BIOTECH COMPANY, WIEN, AUSTRIA

“Working with BioAssay Works (BAW) delivered us top notch efficiency, improved assay performance and reduced development cost. Undoubtedly, BAW was a stellar product development partner that brought a special touch of quality, responsiveness and dedication to our project, which allowed us to rapidly advance our product to market.”

— MANUFACTURER OF NOVEL DIAGNOSTIC TESTS THAT ADDRESS UNMET GLOBAL HEALTH NEEDS