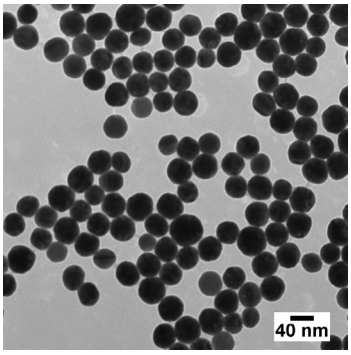
nanoComposix BioReady Stratech

WHY CHOOSE NANOCOMPOSIX?

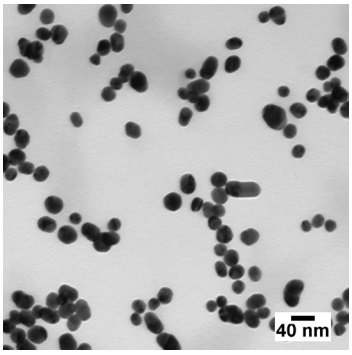
nanoComposix 40 nm Gold



Average Diameter	40 nm
Standard Deviation	4 nm
CV	8.6 %

NanoComposix's particles have better shape & size consistency, providing more reliable assay performance

Supplier B 40 nm Gold



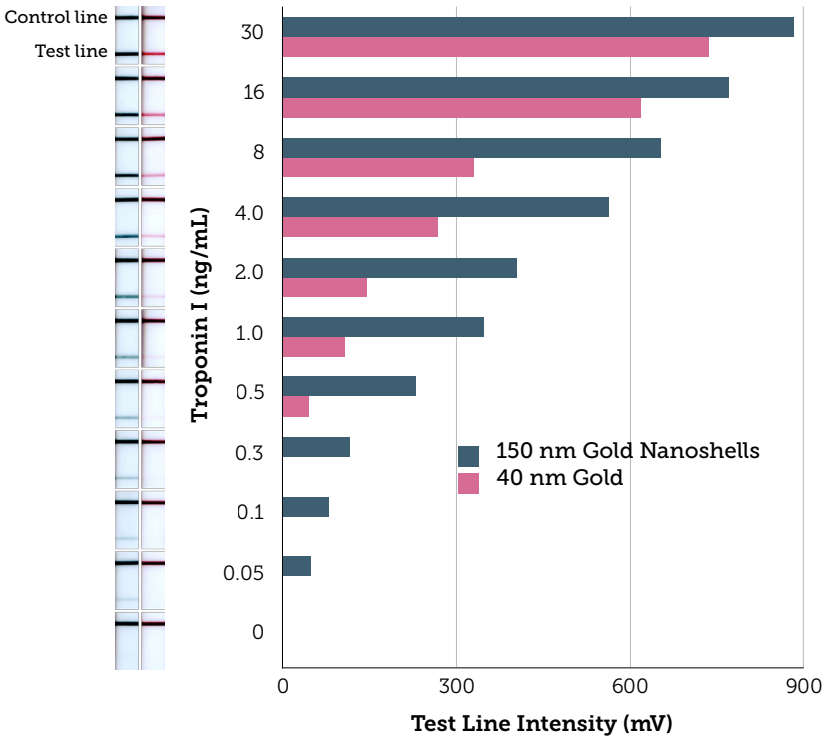
Average Diameter	28 nm
Standard Deviation	7 nm
CV	23.7 %

WHY CHOOSE NANOSHELLS OVER NANOSPHERES?

Although 40 nm gold nanoparticles have been the industry standard for decades, some newer nanoparticle types offer unique advantages that can be harnessed for greater sensitivity and for their unique colors.

NanoComposix specializes in plasmonic metal nanoparticles with tailored optical signatures that result from the particle's specific size, shape, and material type. Gold nanoshells, for instance, feature a silica core coated with an outer gold shell. The core and shell sizes can be tuned to absorb and scatter specific wavelengths of light. By using carefully selected particle dimensions, gold nanoshells have demonstrated **dramatic increases in sensitivity** for lateral flow assays when compared to 40 nm gold spheres.

Please visit ncx.bz/br for more info.



Lateral flow assay with a serial dilution of Troponin I, showing increase in sensitivity when using gold nanoshells (blue) as probe vs. 40 nm gold (red).

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