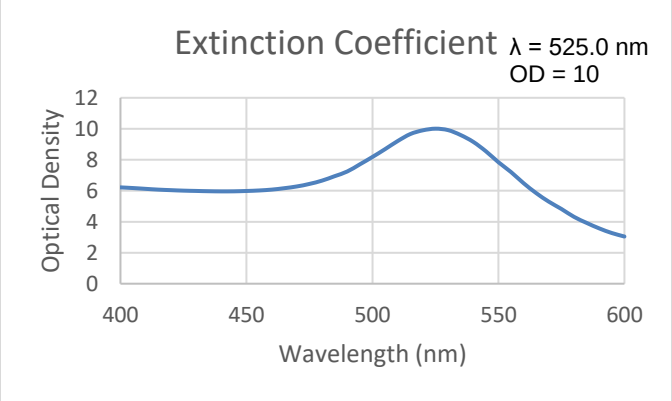
Website: www.attogene.com

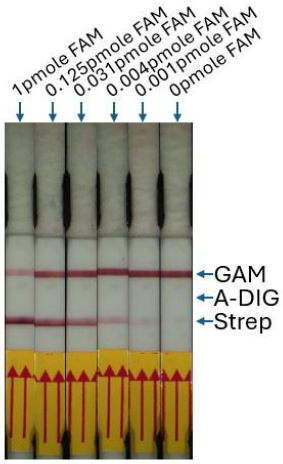
20 nm Gold Nanospheres Conjugated to Anti-FAM Mab

Lot #: 202412022
Product #: AU2060
Retest Date: March 2026

Gold	Product Specs
Gold Volume	1mL
Diameter:	20.0 ± 2.5 nm
SPR Peak:**	525.0 nm ± 3 nm
Optical Density:	10
pH	9

Anti-FAM Gold Running Buffer	Product Specs
Volume	50mL
pH	7.6
Lot Number	202501051





Functional test: Relative sensitivity to the biotin-DNA-FAM oligonucleotide demonstrated on AU2034-05 3-Line test strips. The Biotin FAM labeled nucleic acid is captured by the streptavidin test line. Any unbound anti-FAM gold will flow past the test line and bind to the GAM control line.

Suggested Storage and Handling Procedures

Store at 2-8 °C away from light. Storage at low temperature increases shelf life and stability of the nanoparticles, preventing changes in shape and/or size.

DO NOT FREEZE. Freezing will induce irreversible aggregation of particles and destroy the product.

Bring to room temperature and shake well before each use. Particles may settle to the bottom over time. Shake vigorously for 30 seconds to ensure particles are fully
dispersed before use. Visually inspect to ensure all product has redispersed. If particulates or plating remain, sonicate for 5 minutes in a sonicator bath, shake, and repeat as necessary. To minimize heating, do not sonicate for periods longer than 5 minutes.

Dilution. We suggest diluting the particles with a 22mM Boric Acid, 0.1% BSA, pH 9 buffer

Quality Control. If there are visible particulates or a change in the color or intensity of the dispersion, the nanoparticles may have aggregated. Filter the solution using a ≤ 0.45 µm polyvinylidene fluoride filter and save the filtered product. Check quality with spectrophotometry and electron microscopy.

General Use Guide for Oligonucleotides:

For the best results with oligonucleotides:

1. **Add 100-200uL of running buffer.**
2. **Add ~5uL of 10 OD gold to the well.**
3. **~1pmol of oligonucleotide**
4. **Let assay run for 15-30 minutes.**

NOTE: To spray or spotting onto conjugate pads, please inquire for recommendations (sales@attogene.com).