

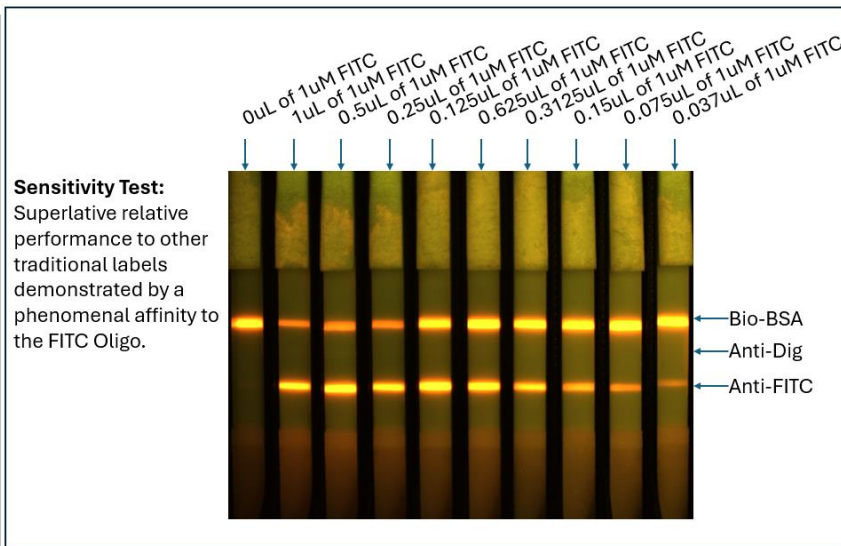
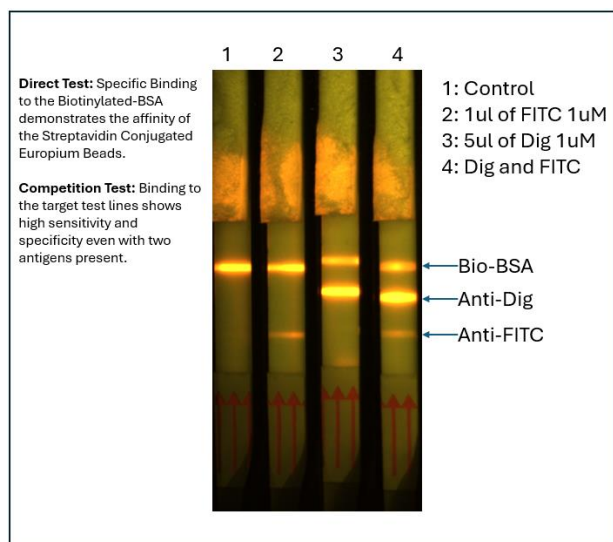


High Efficiency Europium Beads Covalently Conjugated to Streptavidin

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Lot # 202404026
 Product # AU2050
 Retest Date: April 22nd, 2025

Emission Peak:	613 +/- 10nm
Concentration:	1uM
Particle size:	200nm +/- 10%
Excitation Peak:	365nm
Storage:	2-8 °C In a Dark Environment
Solvent:	50mM Borate buffer pH 8.3 0.05% ProClin 150 0.1% BSA
Volume:	250uL



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 50mM Boric Acid Buffer at a pH of 8.3, 0.1% BSA, and 0.05% ProClin 150.

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 $\leq 0.45 \mu\text{m}$ polyvinylidene fluoride filter and save the filtered product. Check quality with spectrophotometry and electron microscopy.