

New! Estapor® Europium Microspheres Improved Lateral Flow Applications

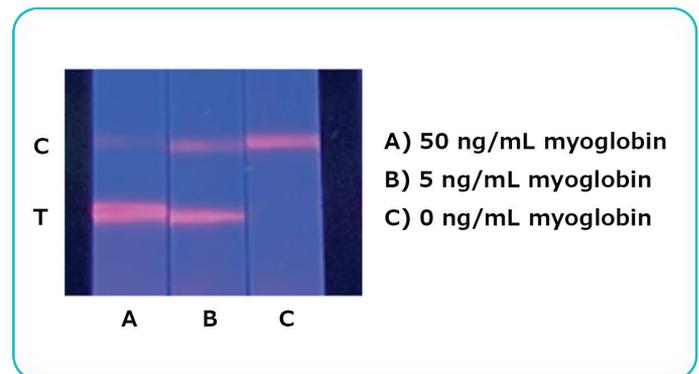
We are proud to announce the launch of the new Estapor® Europium Microspheres as the latest part of our comprehensive lateral flow portfolio. In the market today, there is an extensive offering of commercially available IVD lateral flow tests that incorporate Estapor® microspheres. As a key partner and supplier to rapid diagnostics manufacturers since the industry's beginning, we've developed these beads in order to provide several improvements over traditional fluorescent microspheres.

Benefits of Estapor® Europium Microspheres:

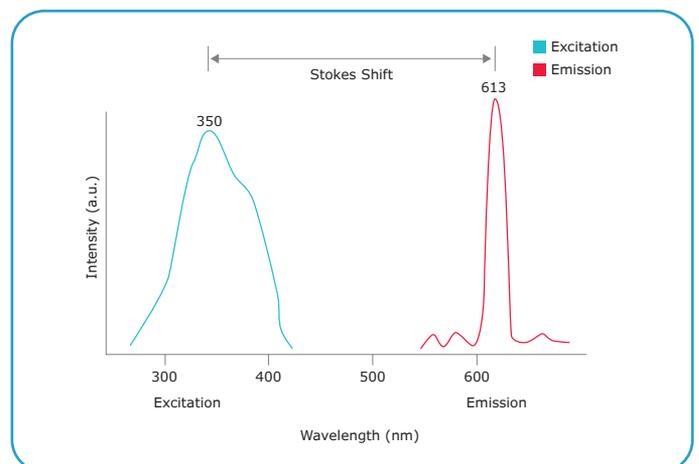
- Significantly improved quantitative lateral flow assay sensitivity
- Reduced background fluorescence
- Simplified assay readability and easier to quantify
- Longer Stokes shift than traditional fluorescent labels
- Enhanced fluorescent quantum yield facilitating a low detection limit
- Functionalized with a carboxylated surface for easy protein conjugation
- Range of sizes available; choose the best for the desired target analyte

Ordering Information

Product Name	Fluorescence color	Diameter (µm)	Surface COOH (µg/g)	Cat. No.
F1-Eu- 010	Fluorescent red	0.130 -0.190	> 300	80380623
F1-Eu- 030	Fluorescent red	0.270 -0.330	200 - 500	80380624
F1-Eu- 050	Fluorescent red	0.450 -0.530	1 - 10	80380625



Myoglobin lateral flow test strips utilizing 300nm Europium microspheres viewed under UV light. Key: C= Control line, T= Test line



Schematic of the Excitation and Emission profile of Europium. Max excitation and emission wavelengths indicated on each peak. *Note: the very narrow emission peak, as well as the large Stokes shift of the fluorophor.*

Want to test the advantages of Europium for yourself?
Request a sample at:
www.emdmillipore.com/estapor-europium-sample

