

# Larger Spheres Equate to Higher Sensitivity

## New Estapor® IT 250 Microspheres for LTIA

New IT 250 carboxyl-modified microspheres for Latex Turbidimetry (LTIA) display exceptional performance on clinical samples containing low levels of the analyte of interest. This is because of both a larger size and surface functionalization. The high sensitivity of these microspheres is achieved by the high antibody/antigen binding efficiency resulting from the COOH surface functionalization as well as their size. The increased size of these new microspheres facilitates an increased probability of collision within the sample matrix and thus achieving faster agglutination with the ability to detect low levels of the biomarker in question.

Uniquely developed for LTIA applications, the IT 250 microspheres exhibit key benefits making them an ideal choice for diagnostic developers looking for a microsphere that satisfies their requirements.

### Benefits of Estapor® IT 250 Microspheres:

- Increased size facilitates enhanced collision of particles within the sample matrix
- Fast agglutination kinetics with the ability to detect low levels of biomarker
- Higher assay sensitivity
- Exceptional performance for clinical samples containing low levels of the analyte of interest
- Batch sizes up to 2.3 kg available
- Excellent batch-to-batch reproducibility
- 1 g samples available for evaluation

### IT 250 Carboxyl-Modified Estapor® Microspheres for LTIA

Product	Diameter (µm)	Surface COOH (µeg/g)	Polymer	Cat. No.
IT 250	0.220 - 0.275	40 - 100	Polystyrene	80380626

Want to see the benefits of the IT 250 microspheres for yourself?

Request a sample at: [merckmillipore.com/estapor-IT250](https://www.merckmillipore.com/estapor-IT250)

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35529 MK\_FL7756EN Ver. 0.0 3/2021

