

Multiplex Bead Based System

Description

Millipore Luminex 200™ ([More details](#))

Location

Rm510A, Biotech Centre 1

Features

Flexible

- Use xMAP-based kits or develop own assays

Multiplex

- Automatic sampling from a 96-well plate
- Analyze multiple assay templates per plate
- Distinguish a minimum of 1 to a maximum of 100 unique xMAP microsphere sets in a single sample
- Low sample volume screen more than 40 analytes in a single sample using 25 μ L or less

Accuracy and Precision

- Sample uptake volume $\pm 5\%$
- Temperature control $0\text{ }^{\circ}\text{C}$ to $+2\text{ }^{\circ}\text{C}$ of target
- Internal sample carryover $<0.9\%$

Sensitivity

- Detect 1000 fluorochromes phycoerythrin (PE) per xMAP microsphere
- Reporter channel dynamic range: 3.5 decades of detection

Applications

- Generate real-time analysis and accurate quantification of biological interactions
- Genetic and protein analysis including applications for protein expression, cell signaling, genotyping, autoimmune, cystic fibrosis, cancer, cardiac, metabolic markers, and HLA testing

Contact

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