

# 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  $\mu$ L or less

### **Accuracy and Precision**

- Sample uptake volume  $\pm 5\%$
- Temperature control 0  $^{\circ}$ C to +2  $^{\circ}$ 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

[bsc@hkstp.org](mailto:bsc@hkstp.org)

