Benefits

- Up to 24-Plex
  * 2 bead sizes (S4 and S5)
  * 12 levels of fluorescence intensity for each bead size
- Works on flow cytometers equipped with a single blue or dual (blue and red) lasers
  * Uses the PE and either PE-Cy5 or APC detectors
  * No need to purchase and maintain another piece of expensive equipment
- Classic “Sandwich” style immunoassay format using capture (cAb) and detection (dAb) antibodies:
  * Multiplexing
    - Less sample needed – only 15 µL!
    - Less assay time and cost
  * Consistent and superior assay performance
  * Flexible assay panels
    - “Mix and Match” one or more individual analyte from a given Group to create a custom panel for your research
    - Some assays can multiplex across Groups – contact YSL Bio for details
  * More than 400 assays now available
  * Premixed standards and beads are “ready to use” – less pipetting steps
  * Available in 32-test and 96-test kits

Assay Specifications

- Sample types: cell culture supernatant, saliva, plasma, cell/tissue lysates, serum, BALF, pleural and peritoneal fluids, and others
  * LOD¹: Majority of the assays < 10 pg/mL
  * LLOQ²: Majority of the assays < 20 pg/mL
  * ULOQ³: Majority of the assays > 5,000 pg/mL
  * Standard dose recovery: 70-130%
  * Intra-assay CV: < 10%; Inter-assay CV: < 20%
  * Cross-reactivity of Panel analytes: negligible
  * Sample volume: 15 µL

Representative Data

- Assay Protocol Overview
- Assay Protocol
- Assay Protocol

Correlation with CBA™ Assays

- Human normal and abnormal serum samples were measured with both AimPlex® and CBA assays and analyzed on a BD FACSCanto II.

Correlation with Luminex™ Assays

- Cell culture supernatant samples from human PBMCs treated with various reagents were assayed with the AimPlex® Human Th1/Th2/Th17 7-Plex assay and a commercially available Luminex multiplex assay kit.

*Assays analyzed on a BD FACS Calibur™, Sony EC800™ or Beckman Coulter CyAn ADP™

For research use only.
Not for use in diagnostic procedures.