

# SUPER-X PLEX® Flow Cytometry Cytokine Assays

## PRODUCT INFO AND ORDERING STRATEGY

FOR USE WITH ANY Flow Cytometry System with 488nm Laser  
Non-Magnetic Bead Assay

### ASSAY PERFORMANCE / CHARACTERISTICS:

- Assay uses antibody coated beads, Biotin Detection antibodies, 96-well Filter Plate, and R-PE signal for analysis.
- **Sensitivity** less than 10.0 pg/mL for most assays!
- **Sample Types:** Use Serum/Plasma, Cell Culture Fluid, Cell Lysate, or other biological fluids.
- **Assay Time** approx. 2 hours!
- **Precision:** Intra-Assay CV: <10% ; Inter-Assay < 20%
- **Sample Volume:** 15.0 uL
- No measurable X-reactivity within each panel.
- **Multi-Plex:** Customer can create own panels within each Group - up to 24-Plex. Or customer can multi-plex across groups with custom assembly by our lab. Many pre-made panels available
- Standards are Pre-Mixed for most assays (Both Individual and Panels) to facilitate fast and easy plate prep.
- High correlation with Luminex® platform

### A) SINGLE-PLEX ASSAYS: (Select to Multi-plex)

Each Single-Plex Assay Contains:

- Antibody Coated Beads
- Detection Antibody
- Standard

\* **Mix and Match** one or more Individual Assays from a given Group to build your own custom panel! Or customer can Multi-Plex across groups with custom assembly by our lab

\* Each Individual Assay Within Each Group Occupies a Unique Bead Region for Analysis

\* Each assay sufficient for 96 wells

\* Most Standards are provided as Pre-Mixed standard panels (6 or more standards in single vial) - for easy and quick plate preparation

\* Assays can be Multi-Plexed across groups - CONTACT Tech Support for suitability

\* Order a STARTER Kit ( 96 tests) and a SAMPLE DILUENT Kit to match sample type and Species of Samples

\* Also Available: SAMPLE Dilution Buffer (for Dilution of High concentration samples) and Cell Lysate Prep Buffer

### B) STARTER KIT: ( 96 tests) Match to Species (Included with premade multi-plex panels)

Contents:            Reading Buffer (10X) 5.0 mL  
                          Wash Buffer (10X) 15.0 mL  
                          Filter Plate ( 1) and Plate Seals (6)  
                          PCR 8-tube strip (2)  
                          Detection Antibody Diluent (3x)0.85 mL  
                          Streptavidin-PE conjugate 3.0 mL

SELECT STARTER Kit:

Human / Primate: Starter Kit ( 96 tests) cat # STKH10

Mouse/ Rat : Starter Kit ( 96 tests) cat # STKM10

Canine: Starter Kit (96 tests) cat # STKC10

### C) SAMPLE DILUENT KITS:

Select for Sample Type and Species

Contents:            Standard Diluent ( 2.5 mL)  
                          Sample Assay Buffer ( 8.0 mL)

**Description:**

**Cat No:**

|  |        |
|--|--------|
| Human / Primate : Serum/Plasma Diluent Kit | DKH100 |
| Mouse / Rat : Serum/Plasma Diluent Kit     | DKM100 |
| Canine: Serum/Plasma Diluent Kit           | DKCN10 |
| Cell Culture Supernatant Diluent Kit       | DKC100 |
| Cell Lysate Diluent Kit                    | DKL100 |
| Cell Lysate Prep Buffer ( 50mL)            | CLP200 |
| Sample Dilution Buffer ( 100 mL)           | SDL200 |

### D) MULTI-Plex Panels:

Starter Kit Included:

(No need to order the Starter Kit for the Multi-Plex panels)

Each Multi-Plex Panel Kit contains:

- Multi-plex Antibody Coated beads
- Pre-Mixed Detection Antibodies
- Pre-Mixed Antigen Standards
- Complete Starter Kit with: Filter plate, Wash and Reading Buffers, PEconjugate, PCR 8 tube strip.
- Detection Antibody Diluent (matched to Sample Species).
- \*\* Order a Sample Diluent Kit to match Species and Sample Type Used
- Extra Set of Pre-Mixed Standards are available, if needed - order as separate item.

### E) Materials Required / Not Supplied to run the Super-X Plex® Flow Cytometry Assays:

- Flow Cytometer with 488 nm Laser
- Plate Shaker for 96-well filter plates
- Vacuum plate washer ( recommended ) See available ANTIGENIX catalog number FPW100

**CONTACT our tech Support with any Ordering Questions**  
**See website for complete assay list.**