

ANTIGENIX AMERICA Inc.

**Super-X Plex™ Flow Cytometry Assay
Multi-Plex Panel (7-Plex)**

Product Information Summary

**Human T-Helper Cytokine Cat No.HMX777
(7-Plex panel) (Th1/Th2) 96 tests**

DESCRIPTION: Multi-Plex (7-Plex) Flow Cytometry Assay Panel
- components to measure **human: IL-2, IL-4, IL-5, IL-6,IL-10,
IFN Gamma, and TNF Alpha, simultaneously-** in human Serum,
Plasma, Cell Culture Supernatant or Cell Lysate samples.

NOTE: ORDER a Sample Diluent Kit (to match sample type):

Human Serum/Plasma (**DKH100**) or
Cell Culture Supernatant (**DKC100**) or
Cell Lysate (**DKL100**)

Cell Lysate Prep Buffer (**CLP200**) or Sample Dilution Buffer
(to dilute high concentration samples) -(**SDL200**)
also available.

(**STARTER Kit Included**)

CONTENTS:

Antibody Conjugated Beads 5.0 mL (1X) (Pre-Mixed , 7-Plex)
Detection Antibody - Biotin 1.5 mL (2X) (Pre-Mixed , 7-Plex)
Detection Antibody Diluent 1.5 mL (2X)

Standard: One vial of lyophilized standard containing
Pre-mixed multiplexed analytes -above- (see vial insert) -
single standard vial can be used for one or more assays
indicated.

STARTER Kit: (Human Panel)

Reading Buffer 5.0 mL (10X)
Wash Buffer 15.0 mL (10X)
Filter plate with lid (96 wells)
Plate Sealers (6)
Streptavidin-PE 3.0 mL (1X)
PCR 8 tube strip 2 strips

STORAGE: Store Refrigerated (4-8° C. - in dark)

CAUTION: Contains Sodium Azide - (0.05%) - Dispose contents
carefully, flush with water to avoid reaction with lead drain
lines.

PROTOCOL: Refer to Kit protocol provided with assay ordered.
Follow protocol section for Multi-Plex panels.

Assay Specifications:

Sensitivities (pg/mL) Range: (pg/mL)

Bead Specs:

S4P3	Human TNFa	< 1.0	2.0 - 1,000
S4P7	Human IL-2	< 3.0	10.0 - 2,000
S4P9	Human IFNg	< 3.0	10.0 - 2,000
S5P4	Human IL-4	< 1.0	3.0 - 1,000
S5P5	Human IL-5	< 2.0	5.0 - 2,000
S5P6	Human IL-6	< 5.0	10.0 - 5,000
S5P10	Human IL-10	< 2.0	5.0 - 5,000

Sample Size: 15.0 uL per test
X-Reactivity within panel : negligible
Intra Assay CV: <10% Inter Assay CV <20%
Recovery 70-130% standard dose

**RESEARCH USE ONLY
NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE.**

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