

**ANTIGENIX AMERICA Inc.**

**Super-X Plex<sup>TM</sup> Flow Cytometry Assay  
Multi-Plex Panel ( 10-Plex)**

**Product Information Summary**

**Human Th1/Th2                      Cat No.HMX770    96 tests**  
HMX770T ( 32 tests)

**DESCRIPTION:** Multi-Plex ( 10 Plex) Flow Cytometry Assay Panel  
- components to measure **human: IL-1 beta, IL-2, IL-4, IL-5,  
IL-6, IL-8, IL-10, IL-12p70, 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 , 10-Plex)**  
**Detection Antibody - Biotin        1.5 mL (2X) (Pre-Mixed , 10-Plex)**  
**Detection Antibody Diluent        1.5 mL (2X)**

**Standard:** Vials A and B 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                        20.0 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.

**Assay Specifications:**

| <b>Sensitivities (pg/mL)</b> | <b>Range: (pg/mL)</b> |
|------------------------------|-----------------------|
| Human IL-1 Beta < 5.0        | 10.0 - 5,000          |
| Human IL-2 < 3.0             | 10.0 - 2,000          |
| Human IL-4 < 1.0             | 3.0 - 1,000           |
| Human IL-5 < 2.0             | 5.0 - 2,000           |
| Human IL-6 < 5.0             | 10.0 - 5,000          |
| Human IL-8 < 1.0             | 1.0 - 1,000           |
| Human IL-10 < 2.0            | 5.0 - 5,000           |
| Human IL-12p70 < 3.0         | 10.0 - 2,000          |
| Human IFN Gamma < 3.0        | 10.0 - 2,000          |
| Human TNF Alpha < 1.0        | 2.0 - 1,000           |

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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