

**ANTIGENIX AMERCIA Inc.**

**Super-X Plex Flow Cytometry Assay  
Multi-Plex Panel ( 16 Plex)**

Product Information Summary

**Human Inflammation            Cat No.HMX976    96 tests**

**DESCRIPTION:** Multi-Plex ( 16 Plex) Flow Cytometry Assay Panel  
- components to measure **Human: IL-1 Alpha, IL-1 Beta,  
IL-6, IL-8, IL-10, IL-12(p70), IL-13, IL-17A,  
IL-27, IL-31, IL-33 , IFN Gamma, IP-10, MIP-1 Alpha,  
MCP-1, 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 , 16-Plex)**  
**Detection Antibody - Biotin        1.5 mL (2X) (Pre-Mixed , 16-Plex)**  
**Detection Antibody Diluent        1.5 mL (2X)**

**Standard:** Three vials ( Vial A ,Vial B, and Vial C) of lyophilized  
standard containing **Pre-mixed multiplexed** analytes ( **16-Plex**) ( 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.

**Assay Specifications:**

<b>Sensitivities (pg/mL)</b>	<b>Range: (pg/mL)</b>
Human IL-1 Alpha < 2.0	5.0 - 2,000
Human IL-1 Beta < 5.0	10.0 - 5,000
Human IFN Gamma < 3.0	10.0 - 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-12 (p70) < 3.0	10.0 - 2,000
Human IL-13 < 5.0	10.0 - 5,000
Human IL-17A < 3.0	10.0 - 1,000
Human IL-27 < 5.0	10.0 - 5,000
Human IL-31 < 5.0	10.0 - 5,000
Human IL-33 < 5.0	10.0 - 5,000
Human IP-10 < 3.0	10.0 - 2,000
Human MCP-1 < 2.0	5.0 - 5,000
Human MIP-1 alpha < 2.0	5.0 - 2,000
Human TNF Alpha < 1.0	2.0 - 1,000

Sample Size: 15.0 uL per test

**X-Reactivity** within panel : **negligable**

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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