

**ANTIGENIX AMERICA Inc.**

**Super-X Plex Flow Cytometry Assay  
Multi-Plex Panel ( 19 Plex)**

Product Information Summary

**Human COVID Cytokine Release Syndrome**                      **Cat No.HMX199 96 tests**  
( CRS)

**DESCRIPTION:** Multi-Plex ( 19 Plex) Flow Cytometry Assay Panel  
- components to measure **Human: IL-1 Alpha, IL-1 Beta, IL-6, IL-8, IL-10, IL-12p70, IL-13, IL-15, IL-18, IL-27, IL-33, IP-10, GM-CSF, IFN Gamma, IFN Alpha2, CXCL2, TNFa, MIP-Alpha and MCP-1, 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**                      **4.7 mL (1X) (Pre-Mixed , 19-Plex)**  
**Detection Antibody - Biotin**                      **1.25 mL (2X) (Pre-Mixed , 19-Plex)**  
**Detection Antibody Diluent**                      **1.25 mL (2X)**  
**Standard:** One vial of lyophilized standard containing **Pre-mixed multiplexed** analytes ( **19-Plex**) ( see vial insert) -single standard vial can be used for one or more assays indicated.

**STARTER Kit: ( Human Panel)**

Reading Buffer                      4.0 mL (10X)  
Wash Buffer                      15.0 mL (10X)  
Filter plate with lid                      ( 96 wells)  
Plate Sealers                      (4)  
Streptavidin-PE                      2.5 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-15 < 5.0	10.0 - 5,000
Human IL-18 < 5.0	10.0 - 5,000
Human IL-27 < 5.0	10.0 - 5,000
Human IL-33 < 5.0	10.0 - 5,000
Human GM-CSF < 5.0	10.0 - 5,000
Human CXCL2 < 10.0	20.0 - 5,000
Human IFN Alpha2 < 5.0	10.0 - 5,000
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
Human IP-10 < 3.0	10.0 - 2,000

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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