

**ANTIGENIX AMERICA Inc.**

**Super-X Plex™ Flow Cytometry Assay  
Multi-Plex Panel ( 16 Plex)  
Product Information Summary**

**Human COVID Cytokine Release Syndrome  
( 16-Plex panel)**

**Cat No. HMX799            96 tests**

**DESCRIPTION:** Multi-Plex ( 16 Plex) Flow Cytometry Assay Panel  
Targets the Human **Cytokine Release Syndrome ( CRS)** panel:

- components to measure human: **IL-1 beta, IL-1RA, IFN gamma, IL-2, IL-4, IL-5, IL-6, IL-8, IL-10, IL-12p70, IL-17A, IL-18, MCP-1, MIP-1 alpha, RANTES 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            4.7 mL (1X) (Pre-Mixed , 16-Plex)**  
**Detection Antibody - Biotin        1.25 mL (2X) (Pre-Mixed ,16-Plex)**  
**Detection Antibody Diluent        1.25 mL (2X)**

**Standard:** One Vial of 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-1RA < 20.0	40.0 - 15,000
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 < 5.0	5.0 - 5,000
Human IL-12p70 < 3.0	10.0 - 2,000
Human IL-17A < 3.0	10.0 - 1,000
Human IL-18 < 5.0	10.0 - 5,000
Human IFN Gamma < 3.0	10.0 - 2,000
Human MIP-1 alpha < 2.0	5.0 - 2,000
Human TNF Alpha < 1.0	2.0 - 1,000
Human RANTES < 5.0	10.0 - 5,000
Human MCP-1 < 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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