

**ANTIGENIX AMERICA Inc.**

**Super-X Plex™ Flow Cytometry Assay  
Multi-Plex Panel ( 14-Plex)**

Product Information Summary

**Human Cytokine  
( 14-Plex panel #1)**

**Cat No. HMX144  
96 tests**

**DESCRIPTION:** Multi-Plex ( 14 Plex) Flow Cytometry Assay Panel - components to measure **human: IL-2, IL-4, IL-6, IL-7, IL-8, IL-10, IL-15, IL-17A, TNF $\alpha$ , IFN Gamma, GM-CSF, RANTES, MCP-1, and , IP-10 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 , 14-Plex**)  
**Detection Antibody - Biotin** 1.25 mL (2X) (**Pre-Mixed , 14-Plex**)  
**Detection Antibody Diluent** 1.25 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 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.  
Follow protocol section for Multi-Plex panels.  
Can be downloaded at [www.antigenix.com](http://www.antigenix.com)

**Assay Specifications:**

	<b>Sensitivities (pg/mL)</b>	<b>Range: (pg/mL)</b>
<b>Bead Specs:</b>		
S5P3	Human GM-CSF < 5.0	10.0 - 5,000
S4P6	Human TNFa < 1.0	2.0 - 1,000
S4P7	Human IL-2 < 3.0	10.0 - 2,000
S5P2	Human IFNg < 3.0	10.0 - 2,000
S4P8	Human IL-7 < 5.0	10.0 - 5,000
S4P9	Human IL-15 < 5.0	10.0 - 5,000
S5P4	Human IL-4 < 1.0	3.0 - 1,000
S4P4	Human IL-6 < 5.0	10.0 - 5,000
S4P10	Human IL-8 < 1.0	1.0 - 1,000
S5P7	Human IL-17A < 3.0	10.0 - 1,000
S5P6	Human RANTES < 5.0	10.0 - 5,000
S5P8	Human MCP-1 < 2.0	5.0 - 5,000
S4P3	Human IL-10 < 2.0	5.0 - 5,000
S5P9	Human IP-10 < 3.0	10.0 - 2,000

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

NOTE: Extra Standard set can be ordered to run partial plates.-Inquire

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

[WWW.ANTIGENIX.com](http://WWW.ANTIGENIX.com) 1-800-558-1008