

# Product Insert

## *AimPlex™ Analyte Kit*

### Human Inflammation 7-Plex (96 Tests)

PN: C192207

#### COMPONENTS

**1x Ab-conjugated beads (premixed 7-plex).** PN: C192207A. One bottle containing 5 mL of the following AimPlex antibody-bead conjugates:

S4P3 - anti-human TNF $\alpha$   
S4P5 - anti-human IL-1 $\beta$   
S4P8 - anti-human IL-1RA  
S4P10 - anti-human IL-8  
S4P12 - anti-human IL-12p70  
S5P6 - anti-human IL-6  
S5P10 - anti-human IL-10

**2x Biotin-detection Ab (premixed 7-plex).** PN: C192207B. One vial containing 1.5 mL of the following biotinylated antibodies.

Biotin - anti-human TNF $\alpha$   
Biotin - anti-human IL-1 $\beta$   
Biotin - anti-human IL-1RA  
Biotin - anti-human IL-8  
Biotin - anti-human IL-12p70  
Biotin - anti-human IL-6  
Biotin - anti-human IL-10

**2x NR dAb Diluent.** PN: 07NDX21. One vial containing 1.5 mL of biotin detection antibody diluent

**Lyophilized Standard Mix-Human Inflammation 7-Plex.** PN: HG19107. One vial containing lyophilized recombinant IL-1 $\beta$ , IL-1RA, IL-8, IL-6, IL-10, TNF $\alpha$ , IL-12p70.

**STORAGE:** 2-8°C in the dark.

**IMPORTANT:** Sodium azide forms explosive compounds with heavy metals. These products contain <0.05% (w/w) azide which with repeated contact with lead and copper commonly found in plumbing drains may result in the buildup of shock sensitive compounds. Dispose in accordance with regulations from your institute.

**APPLICATION:** Optimal antibody pairs and antigen standards for assaying Human Inflammation 7-Plex Panel. To be used in conjunction with the AimPlex Basic Kit for Premixed Panels (PN: U100005) and a diluent kit. Refer to the AimPlex Multiplex Immunoassay User Manual and kit inserts for the assay procedure.

**For Research Use Only. Not for use in diagnostic procedures.**

### Assay Specifications:

Sample types: Cell culture supernatant, serum, plasma, bodily fluid and tissue/cell lysate

	Sensitivity (LOD, pg/mL)	LLOQ (pg/mL)	ULOQ (pg/mL)
<b>Human IL-1<math>\beta</math></b>	< 5	< 10	> 5000
<b>Human IL-1RA</b>	< 5	< 10	> 2000
<b>Human IL-6</b>	< 5	< 10	> 5000
<b>Human IL-8</b>	< 1	< 1	> 1000
<b>Human IL-10</b>	< 2	< 5	> 5000
<b>Human IL-12p70</b>	< 3	< 10	> 2000
<b>Human TNF<math>\alpha</math></b>	< 1	< 2	> 1000

Standard dose recovery: 70-130%

Intra-assay CV: < 10%

Inter-assay CV: < 20%

Cross-reactivity of analytes in the Panel: Negligible

Sample volume: 15  $\mu$ L/test

Please contact Customer Service at 400-819-3899 with any questions or comments.

*Thank you for your business!*