

Product Insert

AimPlex™ Analyte Kit

Human IGF I and IGF II 2-Plex (96 Tests)

PN: C194402

COMPONENTS

1x Ab-conjugated beads (premixed 2-plex). PN: C194402A. One bottle containing 5 mL of the following AimPlex antibody-bead conjugates:

S4P5 - anti-human IGF I
S5P8 - anti-human IGF II

2x Biotin-detection Ab (premixed 2-plex). PN: C194402B. One vial containing 1.5 mL of the following biotinylated antibodies.

Biotin - anti-human IGF I
Biotin - anti-human IGF II

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

Lyophilized Standard Mix-Human IGF I and IGF II, 2-Plex. PN: HG19402. One vial containing lyophilized recombinant IGF I and IGF II.

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 IGF I and IGF II. To be used in conjunction with the AimPlex Basic Kit for Premixed Panels (PN: U100005) and the IGF I/IGF II Diluent Kit (PN: P910102, universal for all sample types). Refer to the AimPlex Multiplex Immunoassay User Manual and kit inserts for the assay procedure.

Note: Some sample types such as serum and plasma should be pretreated to release IGF I and IGF II from its binding proteins for accurate measurement. There are number of sample pretreatment methods described in literature including size exclusion chromatography, solid-phase extraction and acid-ethanol extraction. The acid-ethanol extraction method described by Breier *et al.* (J Endocrinol. 1991, 128:347-357) has been used in many published studies. The appropriate specimen pretreatment method should be determined by the investigator according to the sample type and experimental conditions.

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

Assay Specifications:

Sample types: Cell culture supernatant, serum, plasma, and bodily fluid.

	Sensitivity (LOD, pg/mL)	LLOQ (pg/mL)	ULOQ (pg/mL)
IGF I	<5	<20	> 20,000
IGF II	<5	<20	> 20,000

Standard dose recovery: 70-130%

Intra-assay CV: < 10%

Inter-assay CV: < 20%

Cross-reactivity:

IGF I: Negligible cross-reactivity with IGF II at 10,000pg/mL

IGF II: < 1% cross-reactivity with IGF I at 10,000pg/mL

Sample volume: 15 µL/test

Please contact Customer Service at 626-817-6366 with any questions or comments.

Thank you for your business!