

CATALOG# 80572

IGF-1 ELISA KIT

Catalog number

IGF-1 ELISA Kit80572

Intended use

A high quality enzymatic assay for the quantification of IGF-I in serum, plasma and cell culture media.

Test principle

Crystal Chem's IGF-1 ELISA kit is an ELISA sandwich assay for IGF-1. It utilizes two specific and high affinity antibodies for this protein. IGF-1 is first dissociated from the IGF-BPs via an acidic buffer. After neutralization of the samples, the excess IGF-II occupies the IGF-binding sites of the binding proteins, leaving IGF-I free to be measured. The IGF-1 in the sample binds to the first antibody coated on the microtiter plate. Next, the biotinylated and streptavidin conjugated second specific antibody binds in turn to the immobilized IGF-1. In the closing substrate reaction, the IGF-1 levels of the samples can be measured by color intensity.

Specifications

Sample Types	Serum, Plasma, and Cell Culture
Assay Time	1.75 hours
Range	2 - 50 ng/mL
Sample Size	10 μ L
Precision	CV < 10 %
Sensitivity	0.09 ng/mL

Highlights

- ✓ Kits use only 10 μ L sample
- ✓ Highly specific to IGF-1
- ✓ High sensitivity (0.09 ng/mL)
- ✓ Low cost per sample

Summary of protocol

