

CATALOG# 90095

# INSULIN ELISA KIT

## Catalog number

Insulin ELISA.....90095

## Intended use

A high quality enzyme immunoassay for the quantification of human insulin in plasma and serum.

## Test principle

Crystal Chem’s Insulin ELISA kit is an ELISA sandwich assay for insulin. It utilizes a specific antibody immobilized onto the microplate wells and an antibody labeled with HRP enzyme. Sample is added to the microplate well, and after incubation and washing, a substrate solution is added. Insulin concentration is determined by color intensity.

## Specifications

<b>Sample Types</b>	Serum and Plasma
<b>Assay Time</b>	< 2.5 hours
<b>Range</b>	0.9 - 200 mU/L
<b>Sample Size</b>	25 µL
<b>Sensitivity</b>	0.25 mU/L
<b>Precision</b>	CV < 10%

## Specificity

Insulin.....	100%
Proinsulin.....	1.2%
Insulin Aspart.....	.94%
Insulin Lispro .....	108%
Insulin Glargine .....	104%
C-Peptide .....	.0%
Mouse & Rat Insulin .....	< 5%

## Highlights

- ✓ Kits use only 25 µL sample
- ✓ Highly specific to human insulin
- ✓ Nearly 100% reactivity with most analogs
- ✓ Very low cross-reactivity to mouse insulin, rat insulin, and human proinsulin

## Summary of protocol



See kit insert or email us for a complete protocol

