

CATALOG# 90096

INSULIN ELISA KIT (10-KIT PACK)

Catalog number

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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

Sample Types	Serum and Plasma
Assay Time	Overnight
Range	0.9 - 200 mU/L
Sample Size	25 µL
Sensitivity	0.25 mU/L
Precision	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

