

CATALOG# 90010

# RAT INSULIN ELISA KIT

## Catalog number

RatInsulin ELISA.....90010

## Intended use

A high quality enzyme immunoassay for the quantification of rat insulin in fluid, plasma, and serum.

## Test principle

Crystal Chem’s Rat Insulin ELISA Kit is based on a sandwich enzyme immunoassay. The kit can be run using an high-sensitivity low range (20  $\mu$ L) or a standard range method (5  $\mu$ L) to acheive very accurate results.

## Specifications

|                     |  |
|---------------------|--|
| <b>Sample Types</b> | Serum, Plasma, and Fluid   |
| <b>Assay Time</b>   | Overnight  |
| <b>Range</b>        | Low Range: 0.039 - 2.5 ng/mL<br>Standard Assay: 0.156 - 10 ng/mL |
| <b>Sample Size</b>  | 5 $\mu$ L  |
| <b>Sensitivity</b>  | 39 pg/mL using 20 $\mu$ L  |
| <b>Precision</b>    | CV < 10%   |

## Specificity

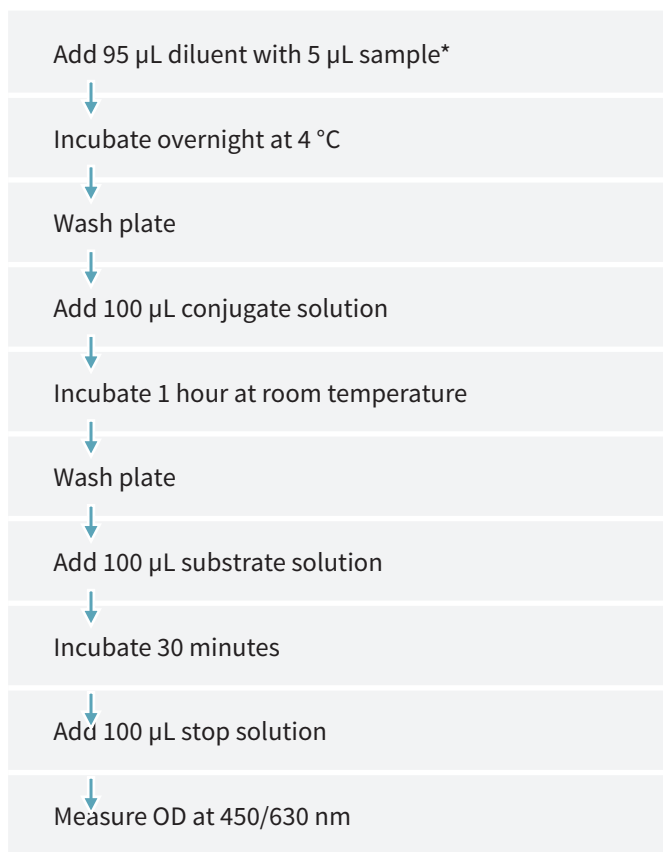
|                                  |              |
|----------------------------------|--------------|
| Rat insulin.....                 | 100%         |
| MouseInsulin.....                | 105%         |
| Rat C-Pepitde.....               | Not detected |
| Rat pancreatic polypeptide ..... | Not detected |
| Human IGF-I .....                | Not detected |
| Human IGF-II .....               | Not detected |
| Human Insulin .....              | Detected*    |

\*Can vary from lot to lot. See insert in kit

## Highlights

- ✓ Kits use only 5  $\mu$ L sample
- ✓ Very sensitive (39 pg/mL using 20  $\mu$ L)
- ✓ Optimized for rat samples
- ✓ Works with multiple sample types

## Summary of protocol



\*For high sensitivity assay, use 80  $\mu$ L diluent with 20  $\mu$ L sample

See kit insert or email us for a complete protocol

