

Human Insulin ELISA (Animal Serum Free)

* All necessary components are included (standards, quality controls, wash buffer, assay buffer, enzyme dilution buffer, substrate and stop solutions, capture antibody immobilized plate, detection antibody, enzyme linked streptavidin, and serum matrix) to complete a 96-well plate ELISA.

This unique Human Insulin ELISA kit is animal serum free - the monoclonal antibodies are harvested from clones grown in culture medium devoid of any animal protein. Further, the kit components do not contain animal proteins. This kit is used for the non-radioactive quantification of human insulin in serum, plasma and other biological media and has no cross reactivity to human proinsulin and C-peptide.

The analytical performance of this kit is equivalent to LINCO's standard Human Insulin ELISA and RIA.

ASSAY CONDITIONS: 3.5 hour assay, room temperature, 20 μ l sample volume

STANDARD CURVE RANGE: 2 - 200 μ U/mL

SENSITIVITY IN TISSUE CULTURE/SERUM/PLASMA: 0.73 μ U/mL

SPECIFICITY: No Cross-reactivity with Human Pro-insulin or Human C-peptide

ACCURACY: 88 - 128%

PRECISION: Intra-assay Coefficient of Variation: 1.7 - 1.9%
Inter-assay Coefficient of Variation: 6.0 - 7.1%

LINEARITY OF DILUTION: 73 - 100%

