



# TECO<sup>®</sup> Intact Proinsulin ELISA

When it comes to measuring pancreatic beta cell function, go with the pro.

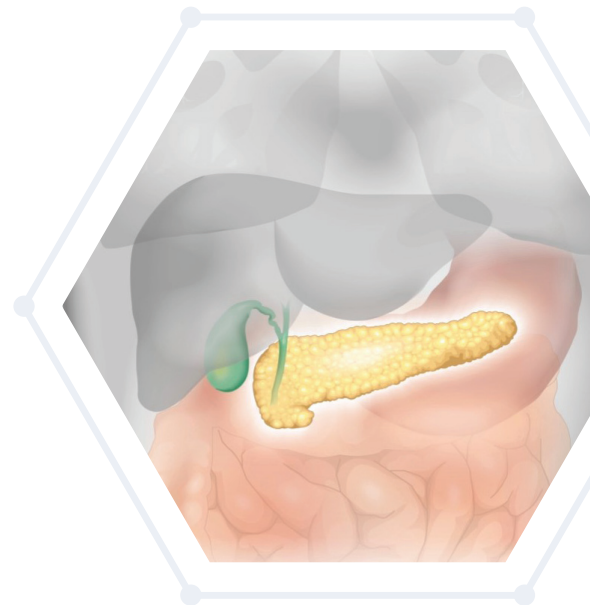
## WHY MEASURE INTACT PROINSULIN?

Intact Proinsulin is produced by beta-cells ( $\beta$ -cells) in the pancreas and it is enzymatically processed into insulin and C-peptide. Intact proinsulin is generally found in low concentrations in the circulation. Elevations in intact proinsulin levels relative to C-peptide are thought to be the result of a failure of the  $\beta$ -cells to convert intact proinsulin to insulin. They are an early indicator of  $\beta$ -cell stress associated with both type 1 and type 2 diabetes (T1D and T2D).

The TECO<sup>®</sup> Intact Proinsulin ELISA specifically measures intact proinsulin, providing a direct measure of pancreatic  $\beta$ -cell function.

## BENEFITS OF THE TECO<sup>®</sup> INTACT PROINSULIN ELISA

- Reliable tool for diabetes research and related drug development studies
- Can provide valuable information regarding defects in proinsulin processing as an early indicator of  $\beta$ -cell stress
- Measures only intact proinsulin for a cleaner readout. Total proinsulin assays measure intact proinsulin as well as des-proinsulin cleavage fragments.
- Standardized against WHO reference 09/296
- Assay time less than 3 hours means fast results - no need for overnight incubation
- Sensitive and specific antibodies
- Available exclusively in North America from DiaPharma

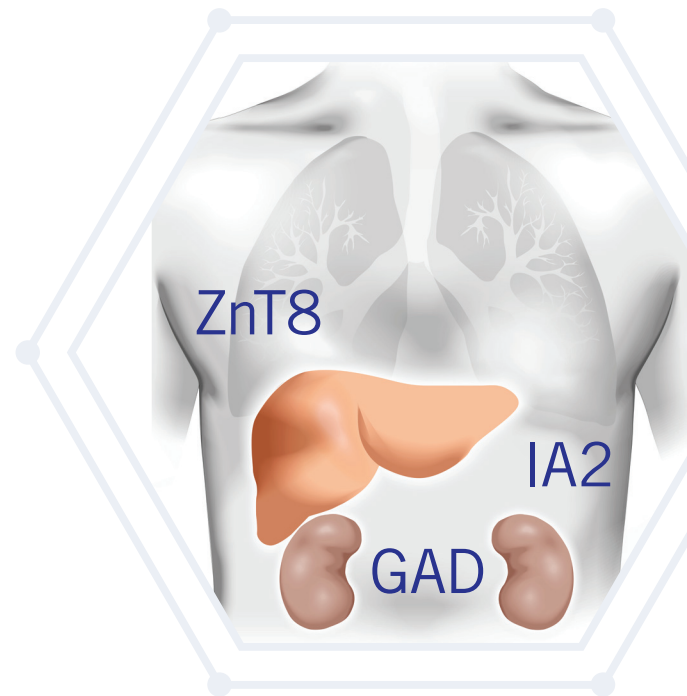


## Ordering Information

Item	Catalog #	Packaging #	Method
TECO <sup>®</sup> Intact Proinsulin ELISA	TE1011	Kit/96 tests	ELISA

# Leading Expertise in Type 1 Diabetes Research Assays

Type 1 diabetes mellitus (T1D) is characterized by the autoimmune-mediated destruction of pancreatic beta-cells resulting in insulin deficiency and elevated blood sugar levels (hyperglycemia). It typically begins in children and young adults. T1D-related autoantibodies can be present for years before any disease symptoms arise and can be used to study the disease pathogenesis.



## MEDIPAN ELISAS FROM DIAPHARMA ARE:

- Based on enzymatic (ELISA) detection methods
- Easy to perform
- Providing reproducible and reliable results

## Ordering Information

ELISA Tests	Order No.	Determination
Medizym® anti-GAD M	35071	96
Medizym® anti-IA2 M	35061	96

**It's not just support. It's solutions.**

800.526.5224 | [info@diapharma.com](mailto:info@diapharma.com) | [diapharma.com](http://diapharma.com)

