

IA-2 AUTOANTIBODY ELISA



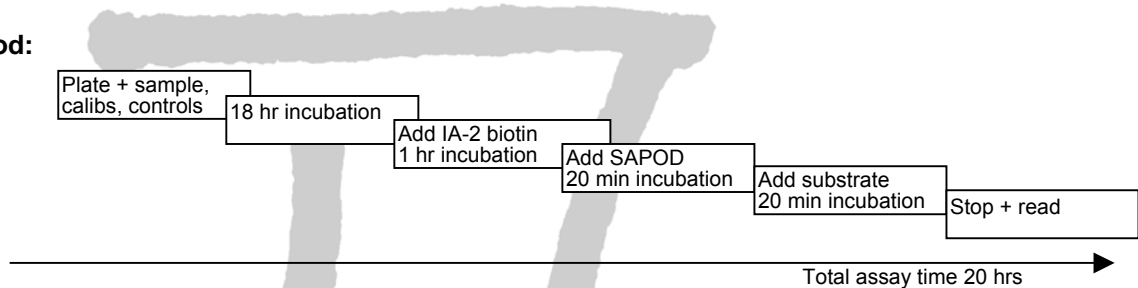
98/79/EC

Description: Enzyme linked immunosorbent assay (ELISA) kit for the quantitative determination of autoantibodies to insulinoma associated antigen 2 (IA-2) in serum

Kit size: 96 wells

Disease application: Type 1 Diabetes Mellitus (DM)

Assay method:



Sensitivity: 66 % n = 50 for type 1 DM (DASP 2005)
54 % n = 50 for type 1 DM (DASP 2003)

Specificity: 99 % n = 100 for healthy blood donors (DASP 2005)
100 % n = 100 for healthy blood donors (DASP 2003)

Sensitivity and specificity were assessed in Diabetes Antibody Standardization Program (DASP) 2003 and 2005

Calibrator range: 0 – 4000 units/mL (NIBSC 97/550 units/mL)

Cut-off: ≥ 15 units/mL is positive

Advantages: A non-isotopic assay with easy to use format for use in the routine clinical laboratory and suitable for automated systems. It offers similar disease specificity and sensitivity to IA-2Ab isotopic assays.

Features: Reliable and convenient method to measure specific IA-2 antibodies which are an important component of ICA in type 1 DM. Kit calibrators are NIBSC 97/550 i.e. IA-2Ab levels in test samples are expressed as NIBSC 97/550 units/mL. IA-2Ab measurements are useful for diagnosis and prediction of type 1 DM.

Order code: IAE/96

Literature: "Sensitive non-isotopic assays for autoantibodies to IA-2 and to a combination of both IA-2 and GAD₆₅" S. Chen et al
Clinica Chimica Acta 2005 **357**: 74-83

This kit is intended for in-vitro use by professional persons only. The data quoted is for guidance only. Each laboratory should establish its own normal and pathological reference ranges for the assay and should include its own panel of control samples in the assay along with the controls provided as part of the kit.