

IA-2 AUTOANTIBODY RIA



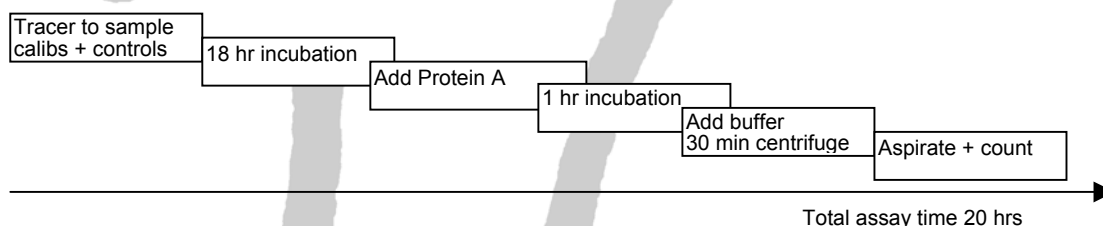
98/79/EC

Description: Radioimmunoassay (RIA) kit for the quantitative determination of autoantibodies to insulinoma associated antigen 2 (IA-2) in serum

Kit size: 50 or 100 tubes

Disease application: Type 1 Diabetes Mellitus (DM)

Assay method:



Sensitivity: 70 % n = 50 for type 1 DM (DASP 2005)
56 % n = 50 for type 1 DM (DASP 2003)

Specificity: 100 % 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 – 50 units/mL [1 unit/mL (RSR kit) = 125 units/mL (NIBSC 97/550)]

Cut-off: ≥ 1 unit/mL is positive

Advantages: Easy assay format suitable for use in a routine clinical laboratory. Less demanding technically than islet cell antibody (ICA) detection by immunofluorescence.

Features: Reliable and convenient method to measure specific IA-2 antibodies which are an important component of ICA in type 1 DM. IA-2Ab levels can be expressed in NIBSC units/mL by multiplying RSR kit units/mL by 125. IA-2Ab measurements are useful for diagnosis and prediction of type 1 DM.

Order code: IA-2Ab 50 tube kit = IA2/50
IA-2Ab 100 tube kit = IA2/100

Literature: "Autoantibodies to IA-2 in insulin-dependent diabetes mellitus. Measurements with a new immunoprecipitation assay." M. Masuda et al
Clinica Chim Acta 2000 **291**: 53-66

"Diabetes Antibody Standardization Program: First Assay Proficiency Evaluation" P. Bingley et al
Diabetes 2003 **52**: 1128-1136

"Isolation and characterisation of a human monoclonal autoantibody to the islet cell autoantigen IA-2" R. Ananieva-Jordonova et al
Journal of Autoimmunity 2005 **24**: 337-345

"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.

