

**INSULIN AUTOANTIBODY RIA**



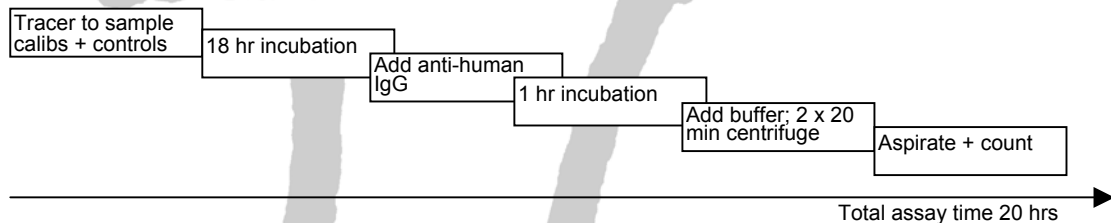
98/79/EC

**Description:** Radioimmunoassay (RIA) kit for the quantitative determination of autoantibodies to insulin in serum

**Kit size:** 50 or 100 tubes

**Disease application:** Type 1 Diabetes Mellitus (DM)

**Assay method:**



**Sensitivity:** 46 % n = 50 for type 1 DM (DASP 2005)  
46 % n = 50 for type 1 DM (DASP 2003)

**Specificity:** 95 % n = 100 for healthy blood donors (DASP 2005)  
97 % n = 100 for healthy blood donors (DASP 2003)

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

**Calibrator range:** 0.04 – 50 units/mL (arbitrary RSR units)

**Cut-off:** ≥ 0.4 unit/mL is positive

**Advantages:** Easy assay format suitable for use in a routine clinical laboratory. Only 20 µL of test sample required for the assay which can be completed in 20 hours.

**Features:** Reliable and convenient method to measure specific insulin autoantibodies which are markers of type 1 DM (prior to insulin therapy) and are useful for diagnosis and prediction of type 1 DM.

**Order code:** IAA 50 tube kit = IAA/50  
IAA 100 tube kit = IAA/100

**Notes:** For samples with low levels of insulin Ab RSR also offers unlabelled recombinant insulin in order to check specificity.

**Literature:** "A novel micro-assay for insulin autoantibodies" A. Williams et al  
Journal of Autoimmunity 1997 **10**: 473-478

"Autoantibodies to IA-2 in insulin-dependent diabetes mellitus. Measurements with a new immunoprecipitation assay." M. Masuda et al  
Clinica Chimica Acta 2000 **291**: 53-56

"Sensitive non-isotopic assays for autoantibodies to IA-2 and to a combination of both IA-2 and GAD<sub>65</sub>" 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.