Diabetic Markers

Accreditation Status:	**UKAS Schedule of Accreditation**
Date Scheme started:	2011
Clinical Applicability:	Aiding the clinical diagnosis of type I diabetes
Analytes:	Islet cell (ICA), Glutamic Acid Decarboxylase (GAD) and Protein Tyrosine Phosphatase (IA2), Insulin antibody (IA), Zinc Transporter 8 Antibody (ZnT8), Diabetic Marker Autoantibody Screen **(SER/047)** *The sample analytes included will depend on their prevalence in the general population, therefore not all analytes may be covered during the year*
Units for Reporting:	Islet cell: qualitative (titre) or U/mL GAD: U/mL IA2: U/mL IA: U/mL % Binding ZnT8: U/mL Diabetic Marker Autoantibody Screen: U/mL
Samples Distributed:	Liquid format. Normal and pathological human serum
Number of Distributions per year:	6
Number of Samples per Distribution:	2
Frequency of Distributions:	Every two months as outlined in the **Distribution Schedule**
Schedule of Analysis:	**Data entry** is via the web for the submission of results. Data analysis is commenced 28 days after sample dispatch. Late returns are accepted and will contribute to the laboratory's cumulative performance statistics
Data Analysis:	Qualitative responses are recorded for each analyte and assessed in relation to the designated response. Reports show method or kit related statistics in terms of Method Laboratory Trimmed Mean (MLTM) and range of results reported
Performance Scoring:	MI scoring
Criteria of Performance:	Laboratory performance is classified in terms of OMIS over a running analytical window of 6 Distributions (12 months). Cumulative performance scores are based on qualitative response

The categories of performance are:

	Total MIS
Good	zero
Adequate	1 - 3
Poor	>3

Persistent Poor Performance:	Defined as being in the Poor Performance category for two or more successive Distributions