UK NEQAS For Immunology, Immunochemistry & Allergy

Specific Microbial Antibodies

Accreditation Status: UKAS Schedule of Accreditation

Date Scheme started: 1998

Clinical Applicability: Diagnosis and management of antibody deficiency syndromes

Analytes: *Haemophilus Influenzae (HiB)*, *Pneumococcus, Tetanus, Salmonella ser. Typhi (S.Typhi)* and Pneumococcal Serotype Specific antibodies. ***Each analyte is available separately***

Units for Reporting:

Tetanus	IU/mL
HiB	mg/L
Pneumococcal	mg/L
Serotypes	µg/mL

Samples Distributed: Liquid format. Normal and pathological human serum

Number of Distributions per year: 6

Number of Samples per Distribution: 6 (2 x Tetanus, 2 x HiB, 2 x Pneumococcal)

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: All Laboratory Trimmed Mean (ALTM) for Tetanus, Pneumococcal, *H. influenza* and S. Typhi antibodies with truncation at 2SD, SD and CV%. Reports show method specific statistics. Individual laboratory performance is expressed in terms of MRBIS, SDBIS and MRVIS

Chosen Coefficient of Variation is specific for each analyte:

Tetanus antibody	20%
H. influenzae type B antibody	20%
Pneumococcal antibody	20%

Performance Scoring: MRVIS

Criteria of Performance: Laboratory performance is assessed in relation to each antibody over a running analytical window of 6 Distributions (12 months)

Ideal	MRVIS	<50
Good		50 - 100
Adequate		101 - 200
Poor		>200 or SDBIS >200

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