

Specific Microbial Antibodies

Accreditation Status:	UKAS Schedule of Accreditation												
Date Scheme started:	1998												
Clinical Applicability:	Diagnosis and management of antibody deficiency syndromes												
Analytes:	Tetanus Antibodies (SER/043) H.Influenzae Antibodies (SER/044) Pneumococcal Antibodies (SER/045) 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 and <i>H. influenza</i> 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: <table><tr><td>Tetanus antibody</td><td>20%</td></tr><tr><td><i>H. influenzae</i> type B antibody</td><td>20%</td></tr><tr><td>Pneumococcal antibody</td><td>20%</td></tr></table>	Tetanus antibody	20%	<i>H. influenzae</i> type B antibody	20%	Pneumococcal antibody	20%						
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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) <table><tr><td>Ideal</td><td>MRVIS</td><td><50</td></tr><tr><td>Good</td><td></td><td>50 - 100</td></tr><tr><td>Adequate</td><td></td><td>101 - 200</td></tr><tr><td>Poor</td><td></td><td>>200 or SDBIS >200</td></tr></table>	Ideal	MRVIS	<50	Good		50 - 100	Adequate		101 - 200	Poor		>200 or SDBIS >200
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												