

Cerebrospinal Fluid Proteins and Biochemistry

Accreditation Status:	UKAS Schedule of Accreditation															
Date Scheme started:	2000															
Clinical Applicability:	Assessment of neurological disease															
Analytes:	CSF Total protein, albumin, IgG, glucose and lactate (SER/041)															
Units for Reporting:	Total protein g/L, Albumin and IgG mg/L, Glucose and Lactate mmol/L in relation to the relevant International Standards															
Samples Distributed:	Liquid format. Normal or pathological CSF will be distributed whenever sufficient volumes can be obtained. The majority of samples will, however, be of an artificial matrix developed for use in the programme															
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 21 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) with truncation at 2SD, SD, and CV%. Reports also show method and manufacturer specific statistics															
	<table><tr><td>Chosen Coefficient of Variation:</td><td>Total protein</td><td>8%</td></tr><tr><td></td><td>Albumin</td><td>9%</td></tr><tr><td></td><td>IgG</td><td>6.5%</td></tr><tr><td></td><td>Lactate</td><td>6%</td></tr><tr><td></td><td>Glucose</td><td>4%</td></tr></table>	Chosen Coefficient of Variation:	Total protein	8%		Albumin	9%		IgG	6.5%		Lactate	6%		Glucose	4%
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Performance Scoring:	MRVIS															
Criteria of Performance:	Laboratory performance for the quantitative biochemistry element is classified in terms of the MRVIS 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															