# 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

**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

Chosen Coefficient of Variation:

| | |
|---|---|
| Total protein | 8% |
| Albumin | 9% |
| IgG | 6.5% |
| Lactate | 6% |
| Glucose | 4% |

**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)

| | | |
|---|---|---|
| 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