



# CSF protein Assay Kit

(Cat/No.:BC077 Size:50T/48S)

## 1. Assay principle (Sulfosalicylic acid method)

The protein in the CSF reacts with sulfosalicylic acid to form a deposit, and the content of the protein in the CSF can be determined by colorimetry.

## 2. Composition (The kit is valid for 6 months)

**Reagent 1:**Sulfosalicylic acid Liquid 80ml×2 bottles,store at 4 °C

**Reagent 2:**1g/L protein standard solution 6ml×1bottle,store at-20 °C

## 3. Operation table

	Blank	Standard	Assay
Physiology Saline ( ml )	1		
1g/ Lprotein sandard solution ( ml )		1	
Cerebrospinal fluid ( ml )			1
Sulfosalicylic acid ( ml )	3	3	3
Mix well and put for 5min,transfer in cuvettes of 1cm light path, measure OD values of all tubes at 620nm (adjust zero by distilled water).			

**4.Formula:** Cerebrospinal fluid protein content( $g / L$ ) =  $\frac{OD_{Assay} - OD_{Blank}}{OD_{Standard} - OD_{Blank}} \times$  Standard concentration ( $g / L$ )

**5.Normal reference value:** 0.15~0.4g/L

## 6. Clinical significance

In central nervous system disease, the protein content in the brain crest fluid is often increased, such as a variety of meningitis, encephalitis, cerebral hemorrhage, cerebral thrombosis and Froin's syndrome. In suppurative meningitis, the protein content of brain crest fluid can be more than 1g/L.