



DataSheet

CATALOGUE #: 8S9-2h
PRODUCT NAME: S-100 protein, $\beta\beta$ homodimer, human

Source: Human brain tissue.
Blood samples from tissue donors were tested and found to be negative for HBsAg, HIV-1 and HIV-2 antibodies, HCV, and syphilis.

Application: S-100 - $\beta\beta$ homodimer (S100b) is suitable for use as a standard in immunoassay, as an immunogen for antiserum production and tracer for iodination. Measurements of S-100 protein in serum samples of patients are useful in monitoring of traumatic brain injury, ischemic brain damage after circulatory arrests, in diagnosis and prognosis of clinical outcome in acute stroke.

Analysis: Purity > 95 %. After native gel electrophoresis by Ornstein-Davis S-100b protein is presented by one band $\beta\beta$ -form.
S-100 protein concentration was determined by Lowry method using BSA as a standard.

Presentation: Lyophilized from 5 mM Tris-HCl, pH 7.5 with 5 mM 2-mercaptoethanol and 2 mM EDTA.
Product is recommended to reconstitute with 5 mM 2-mercaptoethanol.

Storage: -20 °C (-15 ... -30 °C allowed)

Material safety note: This product is sold **for research use only**. Standard Laboratory Practices should be followed when handling this material.