

Transcardially perfuse with PBS under anesthesia.



Homogenize cerebrums with Potter–Elvehjem homogenizer.



Centrifuge in appropriate concentration (13-18%) of dextran.



In nylon mesh method, pass through different sizes of nylon meshes (210, 85, 45, 20 μm). In glass bead column method, pass through different sizes of nylon meshes (210, 85 μm) followed by purification on glass bead column.



Collect brain capillaries from the mesh or glass beads, and examine by microscopy.



Sonicate in hypotonic buffer to prepare whole tissue lysates of brain capillaries.



Measure protein concentration and store at -80°C .