

Procedure

1. Collect brains from slaughterhouse in ice cold saline
2. Remove outer membranes
3. Homogenize in equal volume
 - 10 mM imidazole
 - 0.1 mM CaCl₂
 - 0.5 mM ATP
 - 0.5 mM DTT
 - 67 uM streptomycin SO₄ pH 7.5
4. extract for 30 min. at 4 C
5. spin homogenate 90 min 80 K x g. 4 C
6. load supernatant at 90 mL/hr onto DEAE sephacel (2.6 x 45 cm) equilibrated with
 - 100 mM KCl
 - 10 mM imidazole
 - 0.1 mM CaCl₂
 - 0.5 mM ATP
 - 0.5 mM DTT
 - 67 uM streptomycin SO₄ pH 7.5
7. wash with 200 ml above buffer
8. elute with a one liter gradient with above buffer 0.1 to 0.3 M KCl