

Penn Center for Musculoskeletal Disorders Histology Core

Protocol: Chitosan (HMW) film adhesive solution preparation

1. Prepare acetic acid solution: dissolve 0.25ml acetic acid (Sigma Aldrich 695092) in 100ml DI water, 0.25%, v/v
2. Prepare chitosan (HMW, >75% deacetylation, Sigma 419419-50G) solution in 0.25%, v/v acetic acid solution: put 0.75g in 100ml acetic acid solution and stir the solution overnight or until all the chitosan powder is dissolved.
3. Put the chitosan solution at room temperature for convenient use (low temperature would make the solution more viscous).