

## Periodate Oxidation of Polysaccharide and Coupling to Amino Particles

1. Add a solution containing sodium m-periodate(Sigma S-1878) in deionized water dropwise with stirring to a solution containing polysaccharide in deionized water.
2. Stir the mixture and add ethylene glycol to the mixture. And add the mixture to the packed amino polystyrene particles obtained from suspension by centrifugation.
3. Adjust the pH of the mixture between 9.0 to 9.5 with K<sub>2</sub>CO<sub>3</sub> and stir the mixture.
4. Add sodium cyanoborohydride(Sigma S-8628) to the mixture and stir the mixture.
5. Wash the particles twice with deionized water and resuspend the particles in 0.1 M PBS containing BSA.
6. Stir the mixture and wash the particles twice as before.
7. Resuspend the particles in 0.1 M PBS.