

Coating of Protein to Hydroxyl Particles

Covalent Coupling using Cyanogen Bromide (CNBr):

1. Add hydroxyl polystyrene particles to a centrifuge tube
2. Adjust the pH to 10.5 with 1N NaOH.
3. Add CNBr in a fume hood.
4. Readjust the pH to 10.5 with 1N NaOH.
5. Incubate.
6. Add cold borate buffer(0.1M, pH 8.5).
7. Cool and add protein.
8. Incubate.
9. Add glycine buffer (0.1M, pH 8.5).
10. Centrifuge.
11. Remove the supernatant and resuspend the pellet in 0.1M phosphate buffer, pH 7.2.
12. Repeat Steps 10 and 11 twice.