

Coating of Carboxyl Particles with Avidin Using EDC

Covalent Coupling (one step EDC coupling):

1. Add the following to a glass centrifuge tube:
 - a. Sodium acetate buffer, 0.01 M, pH5.0
 - b. Avidin or Streptavidin
 - c. Carboxyl particles
 - d. EDC
2. Vortex and incubate on a rotary mixer or with occasional vortexing or shaking.
3. Centrifuge .
4. Remove the supernatant carefully.
5. Resuspend the pellet in Isotonic Buffered Saline.
6. Repeat Steps 3 and 4 and resuspend the pellet in IBS to obtain suspension.

Note: 1. Use the FlexiMag Separator or FlexiMag Separator, Jr. for the particle separation in Step 3.

2. This procedure is also for covalent coupling of other proteins such as monoclonal or polyclonal antibodies, antigens or other ligands. Acidic buffers such as phosphate, 0.1M or MES, 0.05 M can be used instead of acetate buffer.