Product name: Heparin Agarose Beads

Cat #: HBB-100, HBB-200, HBB-300, HBB-OEM

Description:
Heparin Agarose Beads are widely used in affinity purification. Various heparin-binding proteins and DNA binding proteins can be purified by Heparin-beads. MCLAB’s Heparin agarose is designed for excellent binding capacity and purity for protein-specific purifications.

Protocol:
1. Wash 1 ml of Heparin agarose with dH₂O in a purification column.
2. Wash the purification column with 5x bead volumes of PBS, pH 7.4.
3. Dilute the protein sample with PBS, pH 7.4 at 1:1 ratio.
4. Add the sample onto the purification column.
5. Collect the solution and repeat step 4-5 several times if necessary.
6. Wash the purification column with 15x bead volumes of PBS, pH 7.4.
7. Elute the bound proteins by applying high salt buffer (PBS pH 7.4 added with NaCl to 1.5 M).
8. Wash the purification column with 20x bead volumes of dH₂O to regenerate the beads.
9. Equilibrate the purification column with PBS pH 7.4.
10. Store the purification column at 4°C in PBS pH 7.4, 0.3 N NaCl added with 0.01% (w/v) Thimerosal as a preservative.

Buffers Preparation
1X PBS, pH 7.4
8 grams NaCl
0.2 grams KCl
1.44 grams Na₂HPO₄
0.24 grams KH₂PO₄
Adjust pH to 7.4
Fill with dH₂O to 1000 ml

Elution Buffer
87.66 grams NaCl
0.2 grams KCl
1.44 grams Na₂HPO₄
0.24 grams KH₂PO₄
Adjust pH to 7.4
Fill with dH₂O to 1000 ml