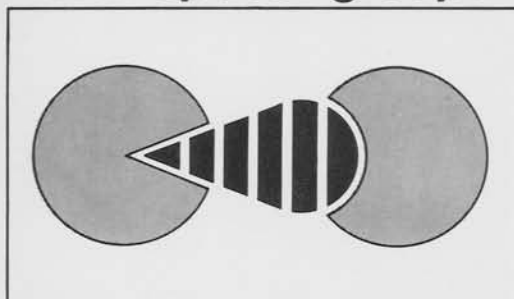
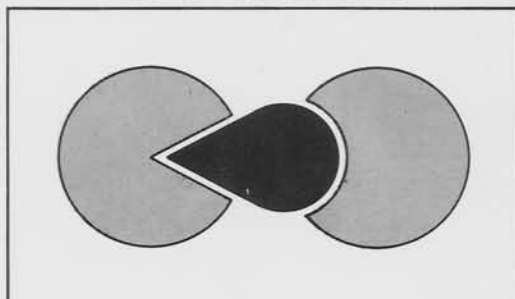


Affinity Chromatography

with spacer groups



and without



AH-Sepharose[®] 4B
CH-Sepharose[®] 4B

for coupling ligands containing a free carboxyl or a primary amino group to the Sepharose matrix via a six carbon atom "spacer" group. AH-Sepharose 4B, with a terminal amino group, and CH-Sepharose 4B, with a terminal carboxyl group substantially reduce the steric hindrance to binding which may occur when small ligands are coupled to the Sepharose matrix.

The ligands can be coupled directly to these "spacer" groups using a carbodiimide reaction, thereby reducing the number of synthesis steps required to make the adsorbent.

AH-Sepharose 4B, containing $-(\text{CH}_2)_6\text{NH}_2$ groups, and CH-Sepharose 4B containing $-(\text{CH}_2)_5\text{COOH}$ groups, are available in packs of 15 g corresponding to a gel volume of 60 ml.

Con A-Sepharose[®]

Provides new possibilities for the isolation of glycopeptides, glycoproteins and polysaccharides by affinity chromatography. Concanavalin A has been coupled to Sepharose 4B by the CNBr method and reacts specifically with terminal D-mannose-like residues.

Con A-Sepharose is available in packs containing 100 ml sedimented gel, 800 mg bound concanavalin A.

CNBr-activated
Sepharose[®] 4B

is a ready activated matrix to which proteins and other molecules containing primary amino groups may be coupled directly. The procedure is quick, easy and safe, and preserves the binding activity of sensitive ligands.

CNBr-activated Sepharose 4B is the material of choice for the immobilization of macromolecules in the preparation of biospecific adsorbents for affinity chromatography. Its use in the study of proteins, nucleic acids, polysaccharides etc. is already well documented. Sepharose provides a matrix which is stable, has a high capacity even for very large molecules, and displays low non-specific adsorption.

Freeze-dried CNBr-activated Sepharose 4B is available in packs of 15 g corresponding to a gel volume of 50 ml.

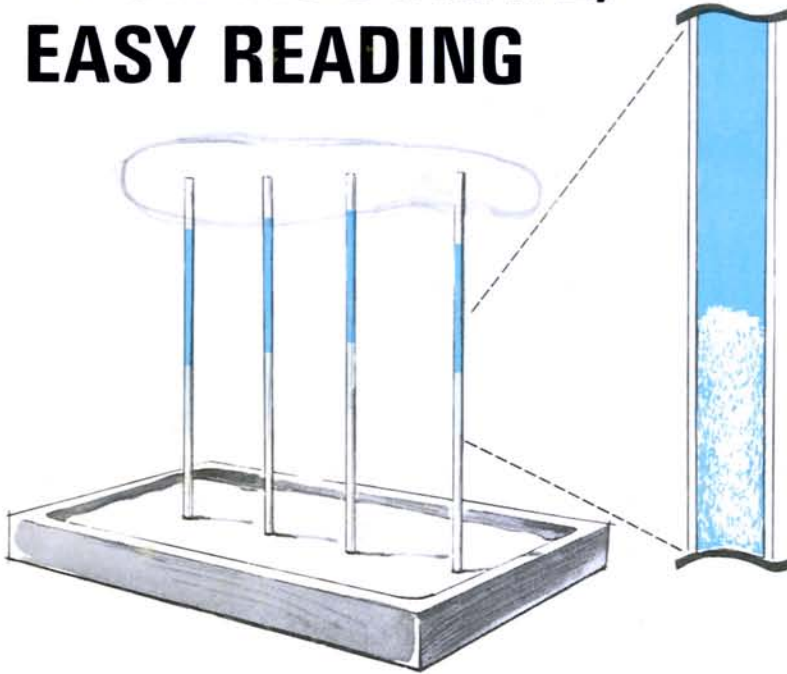
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