

Biochromatography - Hydrophobic Interaction

Hydrocell (HIC)

Hydrophobic Interaction Chromatography (HIC) separates proteins by processes similar to Reversed-Phase Chromatography but under gentle, reverse salt gradient elution conditions, in aqueous buffers. Since no organic solvent is used, biological activity has greater probability of being retained.

Interchim offers 6 different HIC resins :

3 resins w/ 500 Å pore diameters : Hydrocell C3 1500, C4 1500 and Phenyl 1500 prepared from 10 µm particles of hydrophilic PS-DVB beads.

3 resins w/ 1500 Å pore diameters : Hydrocell C3 3000, C4 3000 and Phenyl 3000 produced from 10 µm particles of hydrophilic, macroporous PS-DVB beads.

Packing materials have been chemically bonded with propyl (C3), butyl (C4) or phenyl as a hydrophobic group. These packings do not carry any weak ester linkages, unlike other commercial products. They are stable in a pH range of 1 to 14 and are compatible with most organic solvents. Columns can be operated at high flow rates for rapid equilibration and fast clean-up.

Main advantages

- Retains biological activity
- High resolution and efficiency

