

Reversed Phase Columns

HYDROCELL RP 5S and RP 10S are produced from PS-DVB particles, which have high pore volume and large pore size. The major advantages of these media are lower back pressure and higher permeability in the operation. The media also reduce the back pressure fluctuation when they are used in the gradient separations.

- **RP 5S** is prepared from 5 μm (d_{50}), average 500 \AA spherical PS-DVB particles. The media provide optimum pore volume and pore size with increasing permeability and high separating efficiency for small peptides, nucleotides and other small biomolecules.
- **RP 10S** is prepared from 10 μm (d_{50}), average 500 \AA spherical PS-DVB particles, which give increased permeability and high separating efficiency. It is suitable for the separation of polypeptides, oligonucleotide and other biomolecules.

Hydrocell RP 5S

Peptide Standard

Column: 50 x 4.6 mm

Mobile Phase:

A: 5% Acetonitrile in 0.1 M Tris-HCl
& 0.1% TFA

B: 50% Acetonitrile in 0.1 M Tris-HCl
& 0.1% TFA

Gradient:

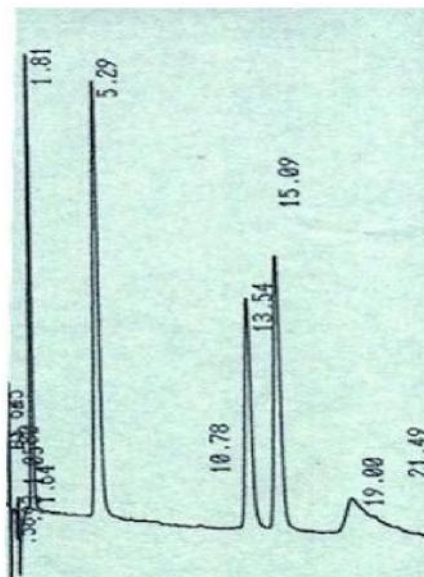
Linear, 10-80% B in 35 minutes

Flow Rate: 1.0 mL/min

Detection: UV 280 nm

Peak Identification:

1. Gly-Tyr
2. Val-Tyr-Val
3. Methionine Enkephalin
4. Leucine Enkephalin
5. Angiotensin II



Hydrocell RP 10S

Peptide Standard

Column: 50 x 4.6 mm

Mobile Phase:

A: 5% Acetonitrile in 0.1 M Tris-HCl
& 0.1% TFA

B: 50% Acetonitrile in 0.1 M Tris-HCl
& 0.1% TFA

Gradient: Linear, 0-80% B in 40 minutes

Flow Rate: 1.0 mL/min

Detection: UV 280 nm

Peak Identification:

1. Gly-Tyr
2. Val-Tyr-Val
3. Methionine Enkephalin
4. Leucine Enkephalin
5. Angiotensin II

