

Microbore HPLC:

PLRP-S Separation of a Mixture of Small Standard Peptides



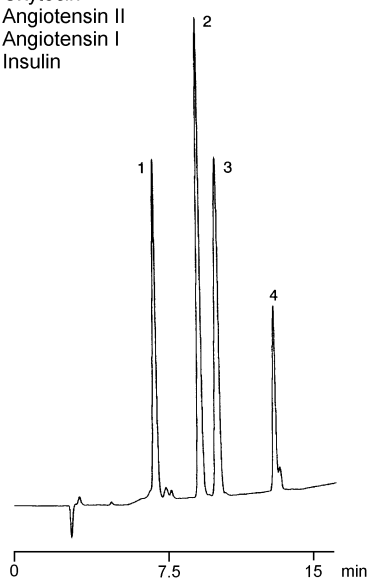
App No 138

Small Peptide Standard

Small peptides require the large surface area of 100Å particles to obtain sufficient retention

Columns: 5µ PLRP-S 100Å
Dimensions: 1 x 250 mm
Mobile Phase: A: 0.1% TFA in MeCN-water (20:80)
 B: 0.1% TFA in MeCN-water (50:50)
Gradient: 0-100% B in 15 mins
Flow Rate: 50 µL/min
Detector: UV @ 220 nm

1. Oxytocin
2. Angiotensin II
3. Angiotensin I
4. Insulin



Comments:

Small peptides usually need the high surface area of ≤100Å particles to obtain sufficient retention and resolution.

Trifluoroacetic acid (TFA) is usually the ion-pairing agent of choice when separating peptides by HPLC-UV. For ESI-MS applications, TFA should be replaced by formic acid or acetic acid, if possible, to reduce ion suppression.

ORDERING INFORMATION: HotSep® PLRP-S, 5µ, 100Å

ID	5 cm	10 cm	15 cm	25 cm	Guard	Guard/5pk
1.0 mm	S-165-1005	S-165-1010	S-165-1015	S-165-1025	G-165-10-1	G-165-10-5
0.5 mm	S-165-0505	S-165-0510	S-165-0515	S-165-0525	G-165-05-1	G-165-05-5
0.3 mm	S-165-0305	S-165-0310	S-165-0315	S-165-0325	G-165-03-1	G-165-03-5
0.1 mm	---	S-165-0110	S-165-0115	---	---	---
75 µm	---	S-165-00710	S-165-00715	---	---	---