Microbore HPLC:

PLRP-S Separation of Large Fibrous Proteins – Comparison of Pore Size

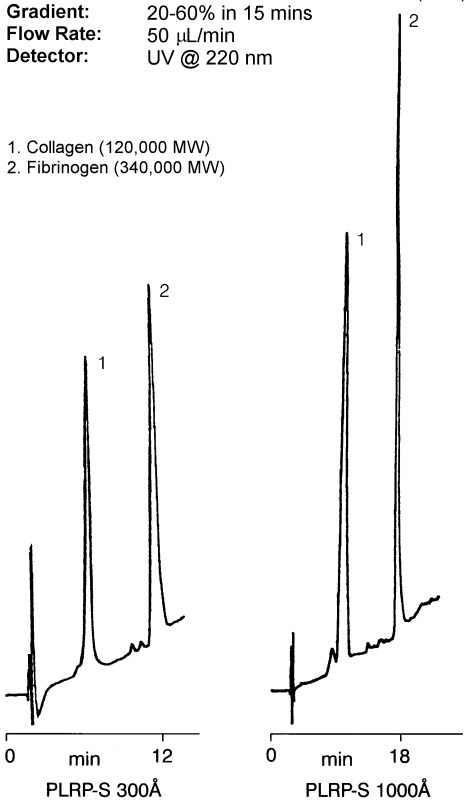
App No 109

Large Fibrous Proteins

Improved peak shape and increased peak height are obtained with the larger pore column

Columns:	5µ PLRP-S
Dimensions:	1 x 150 mm
Mobile Phase:	A: 0.25% TFA in water
	B: 0.25% TFA in MeCN-water (95:5)
Gradient:	20-60% in 15 mins
Flow Rate:	50 µL/min
Detector:	UV @ 220 nm

1. Collagen (120,000 MW)
2. Fibrinogen (340,000 MW)



Comments:

Improved peak shape and increased peak height are obtained with the larger pore column.

Trifluoroacetic acid (TFA) is usually the ion-pairing agent of choice when separating proteins 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, 1000Å

ID	5 cm	10 cm	15 cm	25 cm	Guard	Guard/5pk
1.0 mm	S-167-1005	S-167-1010	S-167-1015	S-167-1025	G-167-10-1	G-167-10-5
0.5 mm	S-167-0505	S-167-0510	S-167-0515	S-167-0525	G-167-05-1	G-167-05-5
0.3 mm	S-167-0305	S-167-0310	S-167-0315	S-167-0325	G-167-03-1	G-167-03-5
0.1 mm	---	S-167-0110	S-167-0115	---	---	---
75 µm	---	S-167-00710	S-167-00715	---	---	---

To order PLRP-S 300Å, replace 167 with 166 in the part numbers

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