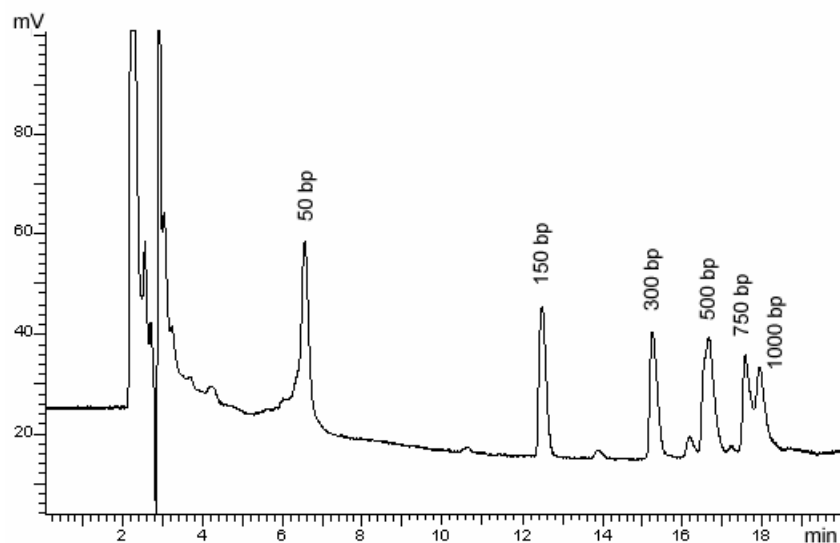


## Microbore HPLC:

## PLRP-S Separation of DNA Fragments (DNA Ladder)



App No 110	DNA fragments
	<b>Column:</b> 5 $\mu$ PLRP-S 1000Å
	<b>Dimensions:</b> 0.5 x 100 mm
	<b>Order No.:</b> S-167-0510
	<b>Mobile Phase:</b> A: 0.1 M TEAA, 0.1 mM Na <sub>4</sub> EDTA, pH 7 B: Same as A, but 25% MeCN added
	<b>Gradient:</b> 40 to 100% B in 30 mins
	<b>Flow Rate:</b> 8 $\mu$ L/min
	<b>Temp.:</b> 50C
	<b>Detector:</b> UV @ 260 nm



### Comments:

A complete turn of the DNA helix spans 10 base pairs, covering a distance of 34 Å (3.4 nm).

Triethylamine (TEA) acts as an ion-pairing agent (interacts with negatively charged phosphate groups) and is a necessity for obtaining sufficient retention. EDTA is a metal-chelating agent that passivates metal surfaces or binds free metal ions such as Fe<sup>2+</sup>.

### ORDERING INFORMATION: HotSep® PLRP-S, 5 $\mu$ , 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 $\mu$ m	---	S-167-00710	S-167-00715	---	---	---