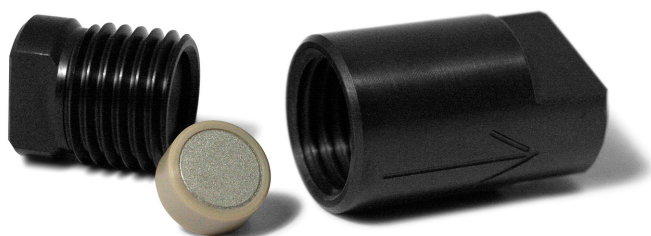




CATALYST FOR SUCCESS

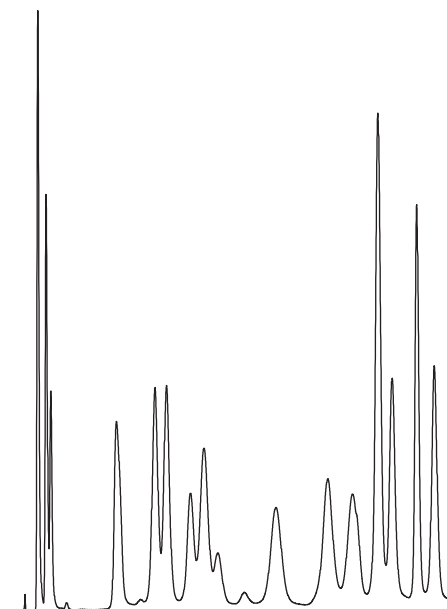
➔ NEW CATION-EXCHANGE GARD™ COLUMN PROTECTION SYSTEM



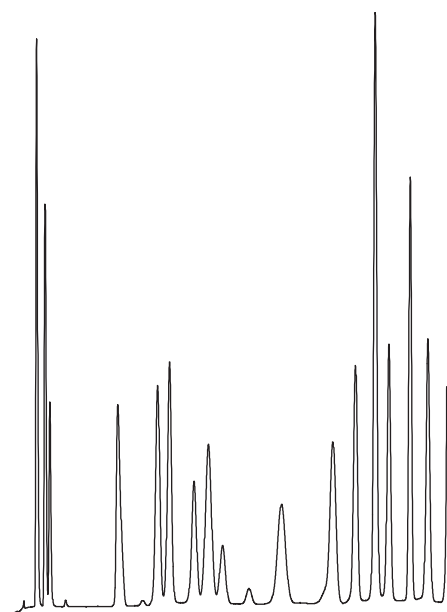
The need for a guard column or cartridge in HPLC is well understood. It is highly recommended and desirable to use a Guard column in order to capture any remaining matrix compounds prior to their fouling the analytical column. Most of the time, it is recommended to match the phase-type of the guard with the phase-type of the analytical column. However, with the new GARD™ Column protection system from Pickering Laboratories the same Cation Exchange GARD™ can be used for nearly all Cation-exchange applications.

The new GARD™ uses a proprietary material to prevent matrix compounds from passing through (and thereby protecting the analytical column), but allows the analytes of interest to pass unimpeded through the GARD™ and onto the analytical column.

The new GARD™ significantly prolongs column life without band spreading or added pressure. We demonstrated, by means of a performance comparison for Amino Acid Analysis, that the use of a GARD™ will effectively protect the analytical column, will be more cost-effective for the laboratory, is easy to change, is Universal to cation-exchange applications, and most importantly has zero band spreading.



Noticeable band spreading in Amino Acid analysis after loading 0.05 mg of Bovine Serum Albumin on a regular cation-exchange guard column



No band spreading in Amino Acid analysis after loading 0.05 mg of Bovine Serum Albumin on a new cation-exchange GARD™

GARD™ COLUMN PROTECTION SYSTEM CATALOG INFORMATION	
CATALOG NO.	DESCRIPTION
1700-3102	Cation-exchange GARD™ assembly: includes holder and 2 replaceable GARD™s
1700-3101	Replacement cation-exchange GARD™s (2/pk)
1700-3100	GARD™ holder