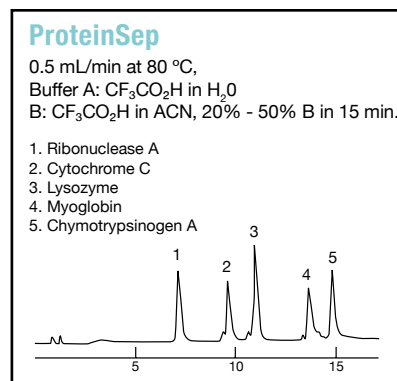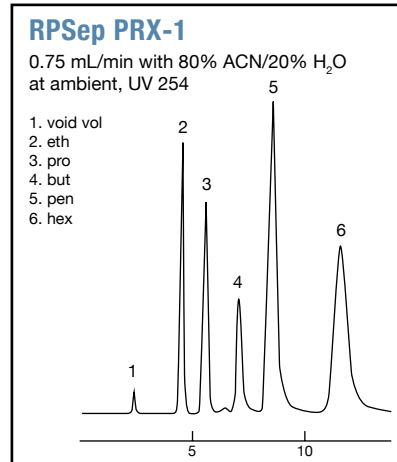# Concise Separations Columns for RNA, Protein & Peptides

➔ Stable in the pH range of 0 to 14

➔ Completely stable under high temperature conditions which eliminate or reduce secondary tertiary effects of analytes

➔ Chemically stable which permits a variety of cleaning solutions for effective column cleaning

➔ Flow reversibility to facilitate the removal of contaminants on the inlet end of the column bed

➔ High efficiency, mono-dispersed beads

➔ Pure hydrophobic properties provided by proprietary and patented C18 functionality chemistry

Concise Separations ProteinSep columns offer unique characteristics to provide the protein chemist another valuable tool for the many varieties of samples in the proteomics field. The proprietary and highly rugged polymeric based columns will provide long lasting, reproducible results for a wide variety of samples. The Concise Separations protein analysis columns are packed with durable and high efficiency polymers that perform well even under the most extreme test conditions.

RPSep PRX-1

0.75 mL/min with 80% ACN/20% H_2O at ambient, UV 254

1. void vol
2. eth
3. pro
4. but
5. pen
6. hex

ProteinSep

0.5 mL/min at 80 ºC,
Buffer A: CF_3CO_2H in H_2O
B: CF_3CO_2H in ACN, 20% - 50% B in 15 min.

1. Ribonuclease A
2. Cytochrome C
3. Lysozyme
4. Myoglobin
5. Chymotrypsinogen A

RiboSep™ RNA

15 min, Solvent A: 0.1M TEA
Solvent B: 0.1M TEAA, 25% ACN
10 µL

1. 100 nt
2. 200 nt
3. 300 nt
4. 400 nt
5. 500 nt

CONCISE SEPARATION COLUMNS FOR ANION ANALYSIS (STRONG ANION EXCHANGE COLUMNS)	
COLUMN	APPLICATION
RPSep PRX-1	Porous PS/DVB Polymer. Ideal for the separation of peptides and small molecules, pH stable from 0 – 14
ProteinSep	Non-porous PS-DVB Polymer with C18 Functional Group, monodispersed 2um bead. High temperatures allowed, pH stable from 0 – 14
RiboSep™ RNA	Polymeric column, excellent for identification and purity assays for RNA fragments that are 100 to > 6,000 nt. Can be used with or without a column oven.

DESCRIPTION	SIZE	RPSep PRX-1	Protein Sep	RiboSep™ RNA
Column	7.8 x 50 mm	—	—	RPC-99-3810
Column	4.6 x 250 mm	RPC-99-8514	—	—
Column	4.6 x 150 mm	RPC-99-7514	—	—
Column	4.6 x 50 mm	—	PRO-99-4650	—
Guard Cartridges (2/pk)		RPC-99-1314	ANX-99-0010	—