

# Ultra Amino and PFP Columns

## Ultra Amino Columns (USP L8)

### Physical Characteristics:

particle size: 3 $\mu$ m or 5 $\mu$ m, spherical  
 pore size: 100Å  
 carbon load: 2%  
 encap: no  
 pH range: 2.5 to 7.5  
 temperature limit: 80°C

### Chromatographic Properties:

Recommended for normal phase analyses of mono- and disaccharides, or similar compounds.

## also available

### Application chromatograms!

Visit [www.restek.com](http://www.restek.com).

Length	1.0mm ID cat.#	2.1mm ID cat.#	3.2mm ID cat.#	4.6mm ID cat.#
<b>3<math>\mu</math>m Columns</b>				
30mm	9107331	9107332	9107333	9107335
50mm	9107351	9107352	9107353	9107355
100mm	9107311	9107312	9107313	9107315
<b>5<math>\mu</math>m Columns</b>				
30mm	9107531	9107532	9107533	9107535
50mm	9107551	9107552	9107553	9107555
100mm	9107511	9107512	9107513	9107515
150mm	9107561	9107562	9107563	9107565
200mm	9107521	9107522	9107523	9107525
250mm	9107571	9107572	9107573	9107575

## Ultra PFP Columns (USP L43)

### Unique Selectivity

### Physical Characteristics:

particle size: 3 $\mu$ m or 5 $\mu$ m, spherical  
 pore size: 100Å  
 carbon load: 7%  
 endcap: fully endcapped  
 pH range: 2.5 to 7.5  
 temperature limit: 80°C

### Chromatographic Properties:

A pentafluorophenyl phase. Unique selectivity for compounds containing organohalogens or other basic functional groups.

Length	1.0mm ID cat.#	2.1mm ID cat.#	3.2mm ID cat.#	4.6mm ID cat.#
<b>3<math>\mu</math>m Columns</b>				
30mm	9176331	9176332	9176333	9176335
50mm	9176351	9176352	9176353	9176355
100mm	9176311	9176312	9176313	9176315
<b>5<math>\mu</math>m Columns</b>				
30mm	9176531	9176532	9176533	9176535
50mm	9176551	9176552	9176553	9176555
100mm	9176511	9176512	9176513	9176515
150mm	9176561	9176562	9176563	9176565
200mm	9176521	9176522	9176523	9176525
250mm	9176571	9176572	9176573	9176575

Application	Page #
Digitalis Extract . . . . .	546
Levothyroxine . . . . .	556
Purines, Pyrimidines . . . . .	524



**Randy Romesberg**  
 HPLC Senior Innovations  
 Chemist  
 13+ years of service!

## ordering note

To order a 2.1mm, 3.2mm, or 4.6mm ID column with a Trident Integral Inlet Fitting, add "-700" to the catalog number for the column.

Nominal additional charge

Example: 100mm x 4.6mm ID Ultra C18 column with Trident Integral Inlet Fitting: 9174315-700

Also order an XG-XF fitting (cat.#25026 or 25062), see page 337.

For guard cartridges for these columns, see page 339.