# RediSep Prep® C8 *Flash Columns*

RediSep Rf Gold C8 reverse-phase columns are packed with 20–40 µm spherical bonded silica, providing improved separation.

New Alternative Stationary Phase for Peptide and Protein Purification!

Our 200 Å C8 media offers larger pore silica for better resolution and peak shape in the purification of peptides and proteins. Larger molecules such as proteins and peptides cannot fully enter smaller pores, limiting the exterior surface area available on the stationary phase to interact with the molecule.

The C8-modified silica complements our C18 and C18Aq RediSep stationary phases, offering an alternative selectivity suited for larger molecules with increasing hydrophobicities, improving both resolution and peak shape.

Column Selection and Characteristics of Sample Molecule
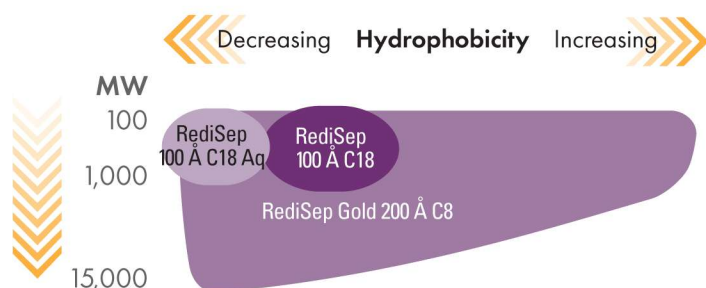
RediSep Rf C8 Specifications:

- Reusability: 20 runs (on average, more runs possible depending on sample quality and column care)
- Particle size: 20–45 µm spherical
- Mesh size: 320–632
- Pore size: 200 Å
- Surface area m^2/g: 150 ±50
- Carbon content: 4.5% ±2
- Endcapped: Yes
- Loading capacity: 0.1–2%

Sample Applications:

- Large molecules like peptides and proteins
- Acidic and Basic compounds
- Charged molecules
- Low or Medium Polarity

Features:

- **Precision-Packed** for high resolution, reproducibility and resusability
- **RFID Technology** automatically detects the Flash column type/size reducing setup time and errors.
- **Safe Operation.** Heavy-duty construction prevents leaks and withstands pressures

RediSep Rf C8 Part Numbers

Sample Load		Size	Qty/Pkg	Flow Rate (mL/min)	Catalog #
$\Delta CV \leq 1$	$\Delta CV \geq 6$				
15.5 mg	310 mg	15.5 g	1	30	69-2203-710
30 mg	600 mg	30 g	1	35	69-2203-711
50 mg	1.0 g	50 g	1	40	69-2203-712
100 mg	2 g	100 g	1	60	69-2203-713
150 mg	3 g	150 g	1	85	69-2203-714

RFID Technology

Through RFID technology, the Combi*Flash*® NextGen, EZ Prep, and Torrent® systems automatically detect the column type and size and programs a default method

optimized for the RediSep® column. Method automation reduces setup time and the potential for errors.

Unique information saved to each column tracks lot number, number of runs, first and last run date and solvents used. Optimized operating conditions can then be loaded in PeakTrak™ software.