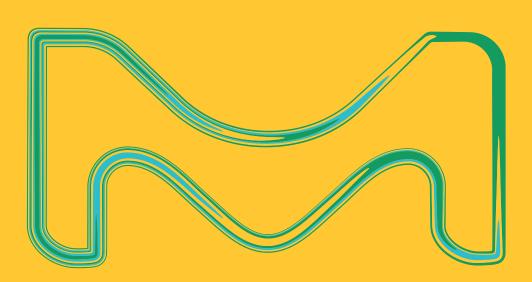


Supelco®

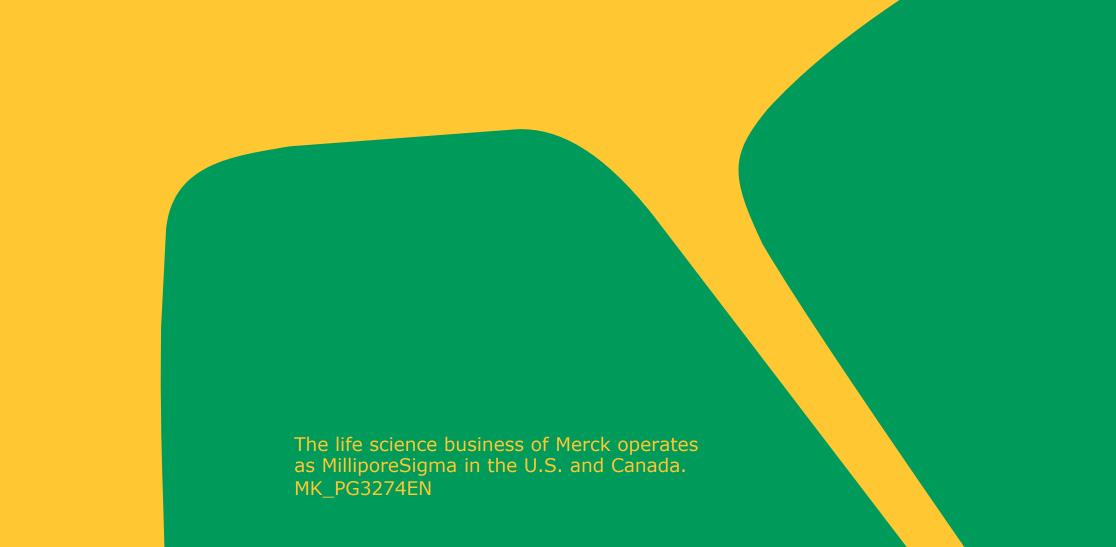
**Analytical Products** 

# HPLC Column Selection Guide

Quality perfected for the intended use



Not for distribution, to be used only on Merck/MilliporeSigma devices





Would you like

Information on columns for QC?

Are you working with

Large Molecules or Biopolymers?

Are you working with Small Molecules?

Explore the Ascentis®
Express Range

Supelco<sub>®</sub>



Would you like

Information on columns for QC?

X

Searching for Size
Exclusion (SEC) or Ion
Exchange (IEX) options?
Please contact
your specialist

Are you working with

Large Molecules or Biopolymers?

Our
Recommendation
is the
BIOshell™ Range

For the Porous Particle range (which can be scaled up for production) our Recommendation is Discovery® Range

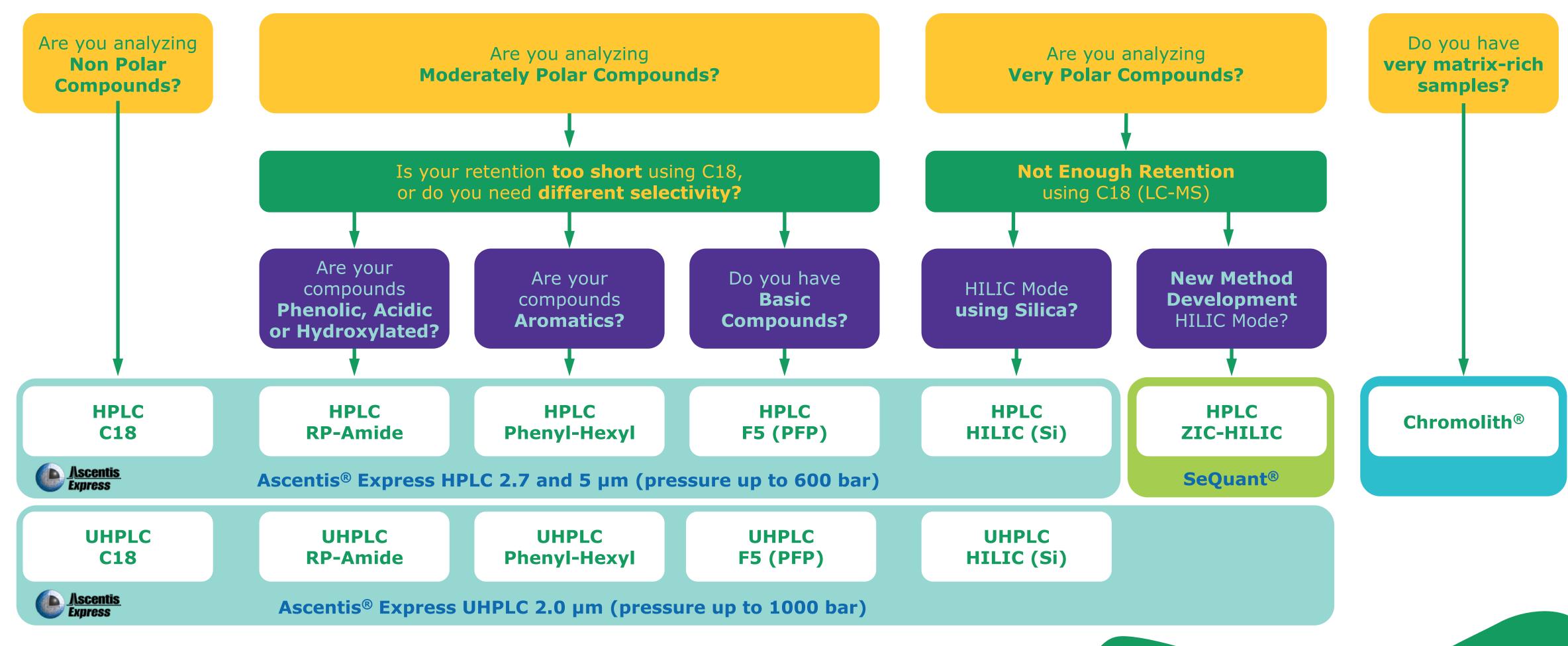
Are you working with Small Molecules?

Explore the **Ascentis**® **Express Range** 

Supelco<sub>®</sub>

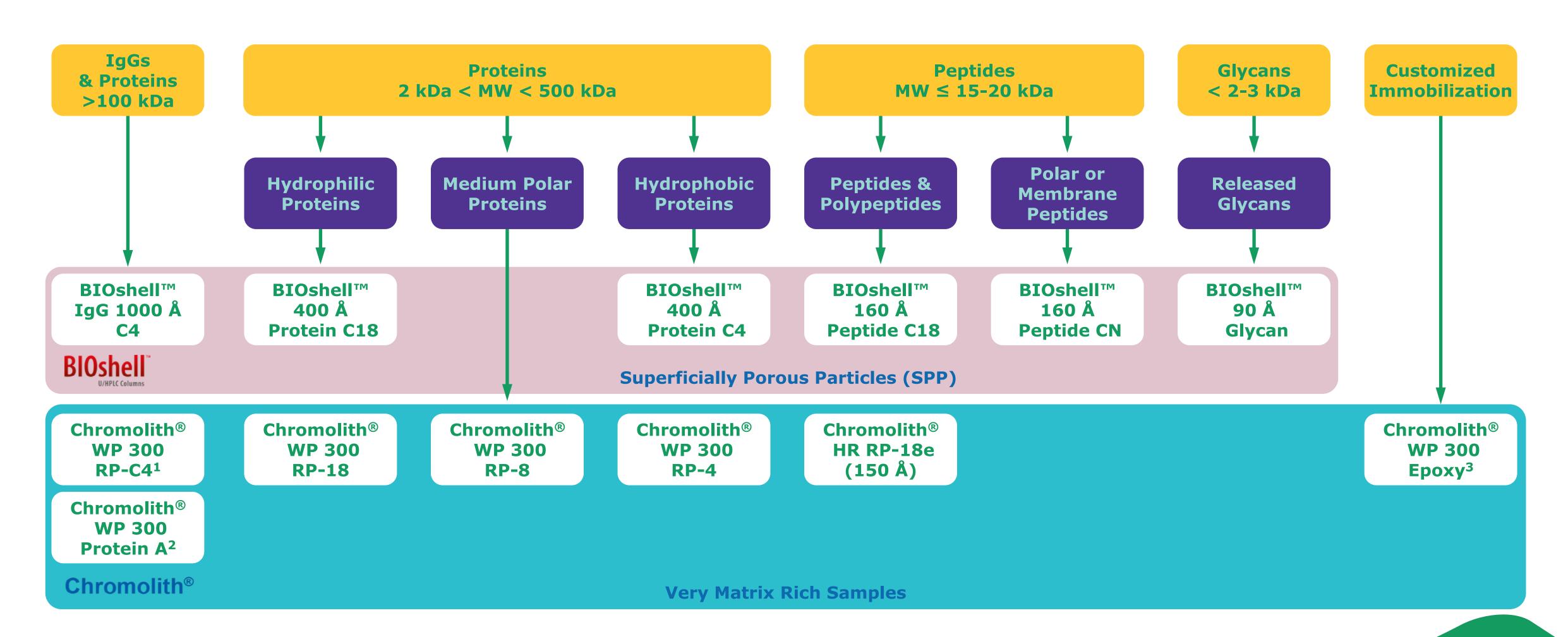
### UHPLC/HPLC Analysis of small molecules





### UHPLC/HPLC Analysis of Large Molecules (Proteins, Peptides or Glycans)





<sup>&</sup>lt;sup>1</sup> The Chromolith® WP 300 C4 consists of a macropore volume of 2 μm (20.000 Å) enabling the separation of very large molecules

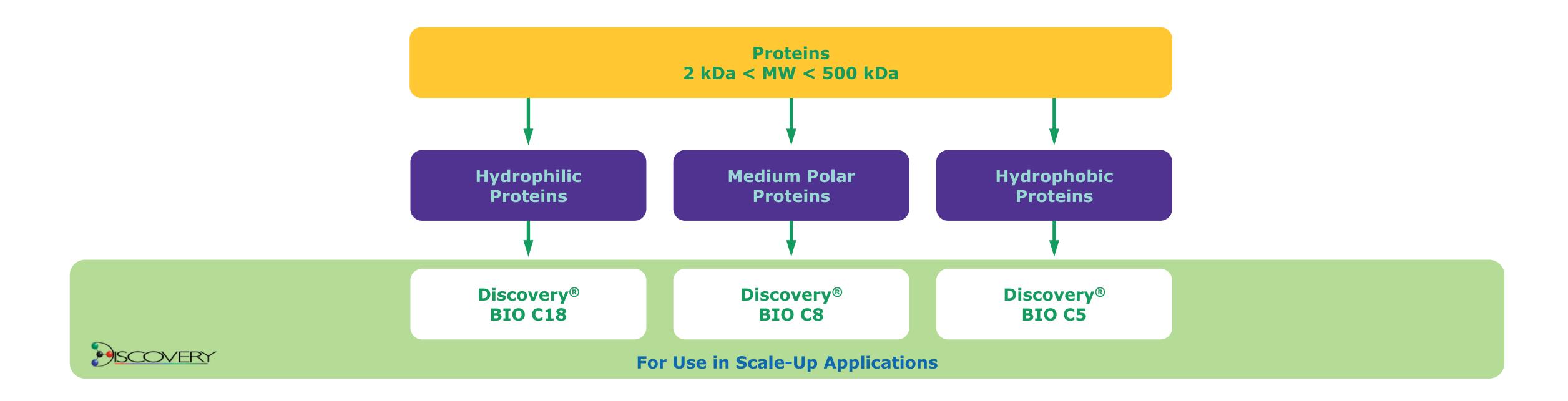


<sup>&</sup>lt;sup>2</sup> Affinity chromatography for specific binding of IgGs

<sup>&</sup>lt;sup>3</sup> For customized immobilization on demand

#### Merck

## UHPLC/HPLC Analysis of Large Molecules using fully porous particles (FPP)





#### oc solutions for small and large molecules



#### Contact your specialist for more details

#### Purospher® STAR (120 Å)

- Outstanding peak symmetry
- Stable from pH 1.5 10.5
- Perfect reproducibility (Masterbatch)
- 100% aqueous phase compatible

#### SeQuant® (100, 200 Å)

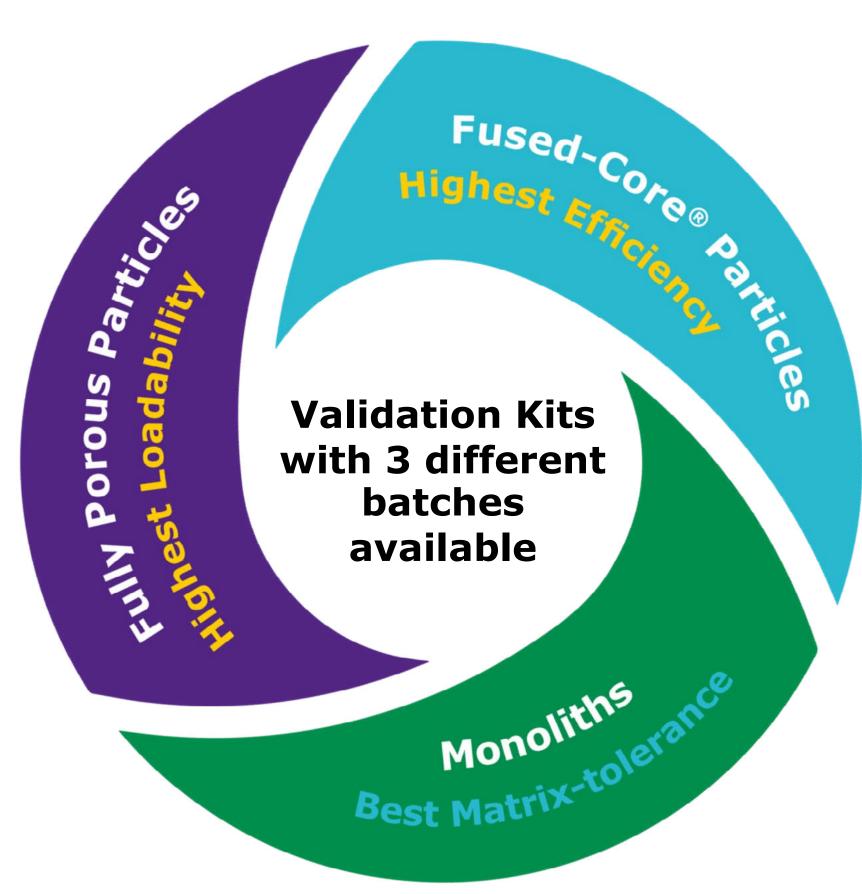
- Choice of three phases with zwitterionic functionality designed for HILIC mode
- Suitable for LC-MS use

#### **Ascentis® / Discovery®**

Wide range of phases

#### Discovery® BIO (300, 1000 Å)

 Three choices for reverse-phase mode and two choices for ion exchange mode



### **Ascentis® Express (90 Å) BIOshell™ (160, 400, 1000 Å)**

- Outstanding column efficiency
- Fast, efficient separations on HPLC and UHPLC
- Wide range of phases
- Available in micro format

#### Chromolith® (150 Å) Chromolith® WP (300 Å)

- Rugged and robust technology
- Analysis of matrix-rich samples
- Low backpressure
- Increased column lifetime
- Available in micro format

