

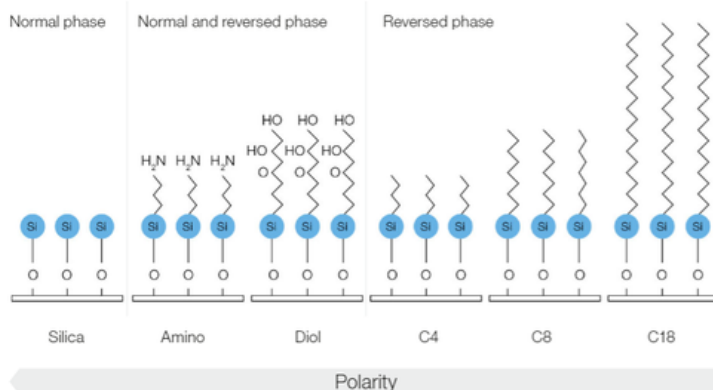


# Mind your Media

Stationary Phase Selection for Flash, Prep HPLC, or SFC

## Choosing a phase

Ideal separation occurs when the polarity of the stationary phase and target compounds are matched.



Phase	Target Compound Polarity	Typical Use
Silica	High & Medium	Typical normal phase LC polar phase Achiral SFC
Amino	High & Medium	Carbohydrates & Amines Achiral SFC
Diol	Medium & Low	Lipids
C18	Low & Nonpolar	Typical reversed phase nonpolar phase
C18 AQ	Low & Nonpolar	Use with a majority aqueous mobile phase system
C18 WP / C4 WP	Low & Nonpolar	Wide pore option Proteins & Peptides
Immobilized / Coated Polysaccharides		Chiral/SFC
Brush Type		Chiral/SFC

## Fine-tune your selection

Optimize your separation and throughput by selecting the best method and cartridge parameters for your application.

	Flash	Prep HPLC	SFC
Particle Size	15 - 63 $\mu$ m	5 - 15 $\mu$ m	5 - 15 $\mu$ m
Column ID	12 - 115 mm	10 - 70 mm	4.6 - 50 $\mu$ m
Flow Rate	15 - 250 mL/min	5-100 mL/min	50 - 660 mL/min
Loading Capacity	< 300 g	< 1g	< 1g
Max Pressure	50 bar	300 bar	400 bar
Productivity	High	Low	Highest*

\*Due to a combination of high flow rates, high separation efficiency, and multiple injection possibility

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