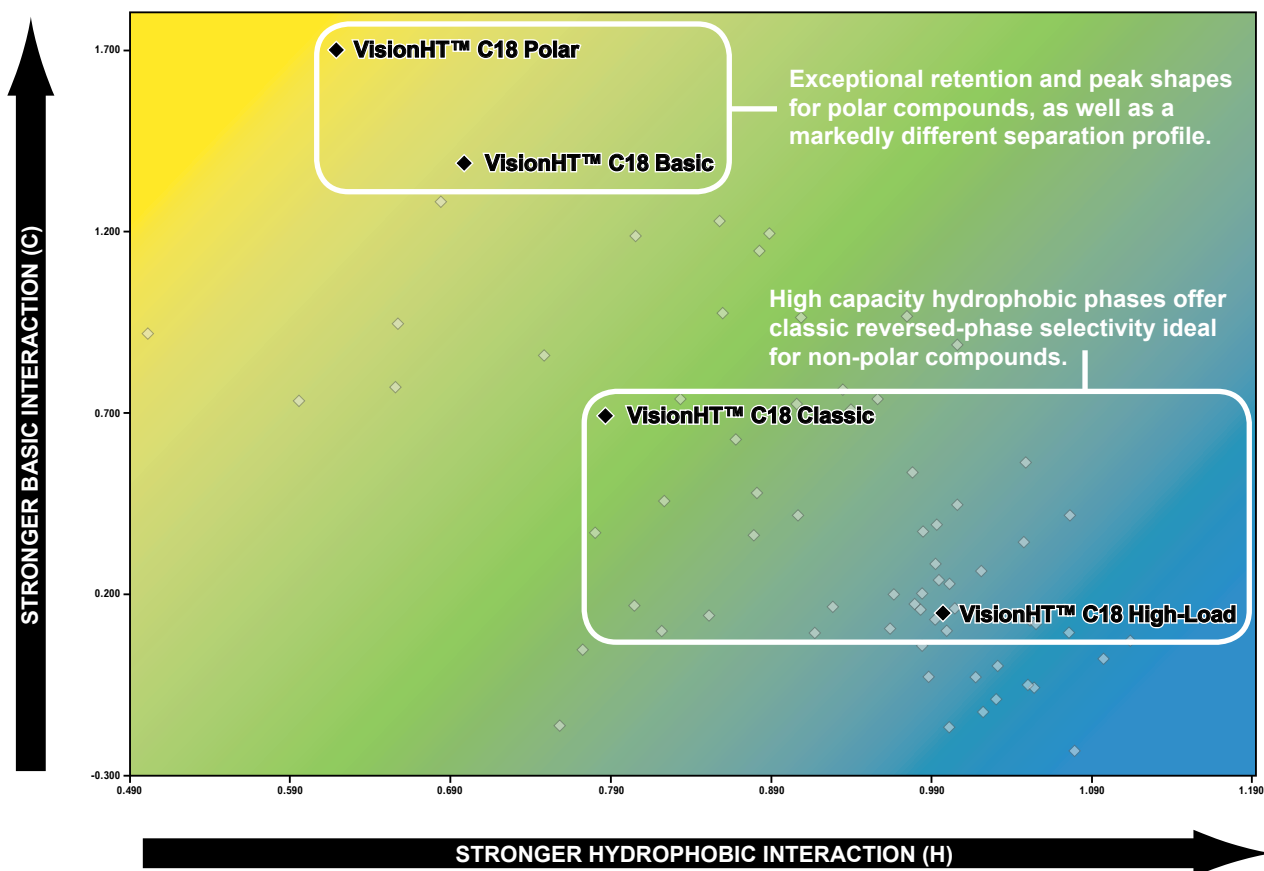


## Complementary Phase Selectivities Simplify Separations

Often in an effort to improve sample throughput, a lab will run a “standard method” with a single media, but speed means nothing if you cannot achieve the separation. VisionHT™ media platform has six unique column chemistries, from the classical high-load C18 to a highly polar-retentive chemistry. Using phases with complementary selectivity gives confidence that if one phase does not produce the separation, the other will. Resolution — every time.

## VisionHT™ Reversed-Phase Media Spans the Full Polarity Spectrum



VisionHT™ Phase Specifications									
Packing	Particle Size	Carbon Load	Pore Size	Surface Area	Endcapped	pH Range*	Feature	Recommended Usage	
C18 High-Load	1.5, 3, 5, 10µm	11%	120Å	220m <sup>2</sup> /g	Yes	1–10	Ultra-high purity silica. Fully bonded.	General purpose for broad range of compounds. Classic selectivity, high-capacity for hydrophobic compounds.	
C18 Basic	1.5, 3, 5, 10µm	5%	120Å	220m <sup>2</sup> /g	Proprietary	1–10	Ultra-high purity silica. Controlled silica surface exposure gives dual mode separation with polar and non-polar analytes.	Alternate reversed-phase selectivity. High polar retention especially with compounds having 2 or more polar groups. Excellent sensitivity and peak shape for basic compounds. 100% aqueous compatible.	
C18 Classic	1.5, 3, 5, 10µm	6%	100Å	200m <sup>2</sup> /g	Yes	1–10	Lower carbon load. Slight silica exposure.	Reversed-phase separations with reduced bonding optimized for speed. Some additional polar retention.	
C18 Polar	1.5, 3, 5, 10µm	5%	100Å	200m <sup>2</sup> /g	No	1–10	High silica exposure. Low carbon load. Uniform coverage of inert vicinal silanols.	Unique polar selectivity. Low carbon load gives fast reversed-phase elution times while retaining polar compounds longer. 100% aqueous compatible.	
HILIC	1.5, 3, 5, 10µm	NA	120Å	220m <sup>2</sup> /g	No	2–8	Polar phase with shorter equilibration times. Shipped in ACN/Water.	Peak reversal compared to reversed-phase. Ideal for very polar compounds with high organic mobile phases for improved sensitivity by MS.	
Silica	1.5, 3, 5, 10µm	NA	120Å	220m <sup>2</sup> /g	No	2–8	Traditional normal-phase for use in 100% organic mobile phases.	For isomeric separation of non-aqueous compatible compounds by absorption chromatography.	

\*Choice of buffer and amount of organic solvent is critical at pH >8.