

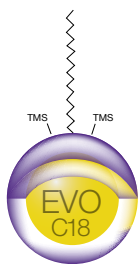


## Column Selection by USP Classification

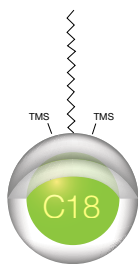
USP	Classification & Description	Phase	Available Particle Sizes			
L1	Octadecyl silane chemically bonded to porous or non-porous silica or ceramic microparticles, 1.5 to 10 μm in diameter, or a monolithic silica rod.	Kinetex C18 Kinetex XB-C18 Kinetex EVO C18	5 μm 5 μm 5 μm	2.6 μm 2.6 μm –	1.7 μm 1.7 μm –	1.3 μm – –
L3	Porous silica particles, 1.5 to 10 μm in diameter, or a monolithic silica rod.	Kinetex HILIC	5 μm	2.6 μm	1.7 μm	–
L7	Octyl silane chemically bonded to totally porous silica particles, 1.5 to 10 μm in diameter, or a monolithic silica rod.	Kinetex C8	5 μm	2.6 μm	1.7 μm	–
L11	Phenyl groups chemically bonded to porous silica particles, 1.5 to 10 μm in diameter.	Kinetex Phenyl-Hexyl Kinetex Biphenyl	5 μm 5 μm	2.6 μm 2.6 μm	1.7 μm 1.7 μm	– –

\* Available particle sizes that may be used if within allowable USP adjustments.

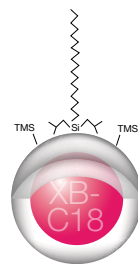
## Kinetex Selectivities



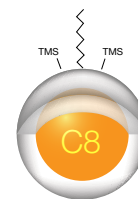
Robust reversed phase methods (pH 1-12) even in alkaline conditions with improved peak shape for polar basic compounds



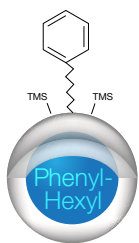
All purpose phase that offers the hydrophobic retention and methylene selectivity chromatographers expect from a C18 column



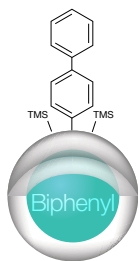
C18 phase with protective butyl side chains for improved peak shape for basic compounds under neutral and acidic conditions



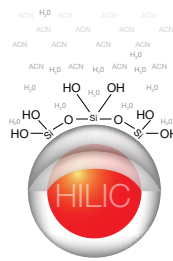
USP L7 phase that provides less hydrophobic and methylene selectivity than a C18



Reversed phase chemistry that allows for greater retention and separation of aromatic hydrocarbons



100% aqueous stable and allows for excellent reversed phase retention and enhanced polar and aromatic selectivity



Unbonded silica phase for HILIC conditions to provide selectivity for polar compounds

### Terms and Conditions

Subject to Phenomenex Standard Terms & Conditions, which may be viewed at [www.phenomenex.com/TermsAndConditions](http://www.phenomenex.com/TermsAndConditions).

### Trademarks

Kinetex is a registered trademark of Phenomenex.

Kinetex EVO is patented by Phenomenex. U.S. Patent Nos. 7,563,367 and 8,658,038 and foreign counterparts.

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