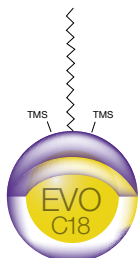
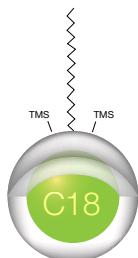




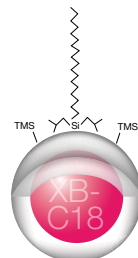
## Kinetex Selectivities



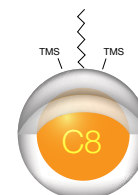
Robust reversed phase methods (pH 1-12) even in alkaline conditions with improved peak shape for polar basic compounds



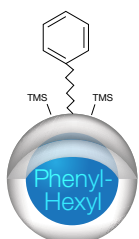
All purpose phase that offers the hydrophobic retention and methylene selectivity chromatographers expect from a C18 column



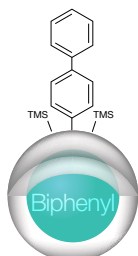
C18 phase with protective butyl side chains for improved peak shape for basic compounds under neutral and acidic conditions



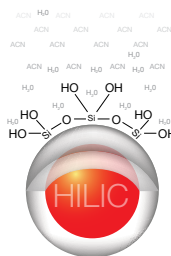
USP L7 phase that provides less hydrophobic and methylene selectivity than a C18



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

## Column Selection by Ph. Eur. Classification

Ph. Eur. Number	Description**	Phase	Available Particle Sizes			
1076900	Silica gel for chromatography	Kinetex HILIC	5 μm	2.6 μm*	1.7 μm*	
1160200	Silica gel for chromatography, alkyl bonded for use with highly aqueous mobile phases.	Kinetex EVO C18	5 μm	2.6 μm	1.7 μm	1.3 μm
		Kinetex C18	5 μm	2.6 μm	1.7 μm	
		Kinetex XB-C18	5 μm	2.6 μm	1.7 μm	
1176900	Silica gel for chromatography, alkyl bonded for use with highly aqueous mobile phases, endcapped.	Kinetex EVO C18	5 μm	2.6 μm	1.7 μm	1.3 μm
		Kinetex C18	5 μm	2.6 μm	1.7 μm	
		Kinetex XB-C18	5 μm	2.6 μm	1.7 μm	
1140000	Silica gel for chromatography, di-isobutyloctadecylsilyl.	Kinetex XB-C18	5 μm	2.6 μm	1.7 μm	
1077500	Silica gel for chromatography, octadecylsilyl.	Kinetex EVO C18	5 μm	2.6 μm*	1.7 μm*	1.3 μm*
		Kinetex C18	5 μm	2.6 μm*	1.7 μm*	
		Kinetex XB-C18	5 μm	2.6 μm*	1.7 μm*	
1110100	Silica gel for chromatography, octadecylsilyl R1 ultrapure silica (<20 ppm metals), pore size and C-load are indicated in the method.	Kinetex EVO C18	5 μm	2.6 μm*	1.7 μm*	1.3 μm*
		Kinetex C18	5 μm	2.6 μm*	1.7 μm*	
		Kinetex XB-C18	5 μm	2.6 μm*	1.7 μm*	

\* Available particle sizes that may be used if within allowable Ph. Eur. Adjustments

\*\*According to European Pharmacopeia (Ph. Eur.) Chapter 4.1.1.

Continued on back page.

Ph. Eur. Number	Description**	Phase	Available Particle Sizes			
1077600	Silica gel for chromatography, octadecylsilyl, base-deactivated pretreated before the bonding by careful washing and hydrolyzing most of the superficial siloxane bridges to minimize the interaction with basic components.	Kinetex EVO C18 Kinetex C18 Kinetex XB-C18	5 µm 5 µm 5 µm	2.6 µm* 2.6 µm*	1.7 µm* 1.7 µm*	1.3 µm*
1115400	Silica gel for chromatography, octadecylsilyl, endcapped. To minimize any interaction with basic compounds it's carefully endcapped to cover most of the remaining silanol groups.	Kinetex EVO C18 Kinetex C18 Kinetex XB-C18	5 µm 5 µm 5 µm	2.6 µm* 2.6 µm*	1.7 µm* 1.7 µm*	1.3 µm*
1162600	Silica gel for chromatography, octadecylsilyl, endcapped, base-deactivated R1; pretreated before the bonding by careful washing and hydrolyzing most of the superficial siloxane bridges. To further minimize any interaction with basic compounds it's carefully endcapped to cover most of the remaining silanol groups.	Kinetex EVO C18 Kinetex C18 Kinetex XB-C18	5 µm 5 µm 5 µm	2.6 µm* 2.6 µm*	1.7 µm* 1.7 µm*	1.3 µm*
1190500	Silica gel for chromatography, octadecylsilyl, ethylene-bridged (hybrid material). Synthetic, spherical ethylene-bridged particles, containing both organic and inorganic (silica) components.	Kinetex EVO C18	5 µm			
1188400	Silica gel for chromatography compatible with 100 % aqueous mobile phase, octadecylsilyl, endcapped.	Kinetex EVO C18	5 µm			
1188500	Silica gel for chromatography, octadecylsilyl, extra-dense bonded, endcapped.	Kinetex EVO C18 Kinetex C18 Kinetex XB-C18	5 µm 5 µm 5 µm	2.6 µm* 2.6 µm*	1.7 µm* 1.7 µm*	1.3 µm*
1077700	Silica gel for chromatography, octylsilyl.	Kinetex C8	5 µm	2.6 µm*	1.7 µm*	
1077701	Silica gel for chromatography, octylsilyl R1. Bonding of octylsilyl and methyl groups (double bonded phase).	Kinetex C8	5 µm	2.6 µm*	1.7 µm*	
1131600	Silica gel for chromatography, octylsilyl, base-deactivated pretreated before the bonding by careful washing and hydrolyzing most of the superficial siloxane bridges to minimize the interaction with basic components.	Kinetex C8	5 µm	2.6 µm*	1.7 µm*	
1119600	Silica gel for chromatography, octylsilyl, endcapped. To minimize any interaction with basic compounds it's carefully endcapped to cover most of the remaining silanol groups.	Kinetex C8	5 µm	2.6 µm*	1.7 µm*	
1148800	Silica gel for chromatography, octylsilyl, endcapped, base-deactivated pretreated before the bonding by careful washing and hydrolyzing most of the superficial siloxane bridges to minimize the interaction with basic components. To further minimize any interaction with basic compounds it's carefully endcapped to cover most of the remaining silanols.	Kinetex C8	5 µm	2.6 µm*	1.7 µm*	
1153900	Silica gel for chromatography, phenylhexylsilyl.	Kinetex Phenyl-Hexyl	5 µm	2.6 µm*	1.7 µm*	
1170600	Silica gel for chromatography, phenylhexylsilyl, endcapped. 3 µm; To minimize any interaction with basic compounds it's carefully endcapped to cover most of the remaining silanol groups.	Kinetex Phenyl-Hexyl	5 µm*	2.6 µm*	1.7 µm*	
1110200	Silica gel for chromatography, phenylsilyl.	Kinetex Biphenyl Kinetex Phenyl-Hexyl	5 µm 5 µm	2.6 µm* 2.6 µm*	1.7 µm* 1.7 µm*	
1154900	Silica gel for chromatography, phenylsilyl, endcapped. To minimize any interaction with basic compounds it's carefully endcapped to cover most of the remaining silanol groups.	Kinetex Biphenyl Kinetex Phenyl-Hexyl	5 µm 5 µm	2.6 µm* 2.6 µm*	1.7 µm* 1.7 µm*	
1144200	Organosilica polymer, amorphous, octadecylsilyl. Synthetic, spherical hybrid particles containing both inorganic (silica) and organic (organosiloxanes) components, chemically modified at the surface by trifunctionally bonded octadecylsilyl groups.	Kinetex EVO C18	5 µm			
1178600	Organosilica polymer, amorphous, octadecylsilyl, endcapped. Synthetic, spherical hybrid particles containing both inorganic (silica) and organic (organosiloxanes) components, chemically modified at the surface by trifunctionally bonded octadecylsilyl groups. To minimize any interaction with basic compounds, it is carefully endcapped to cover most of the remaining silanol groups.	Kinetex EVO C18	5 µm			
1164900	Organosilica polymer for mass spectrometry, amorphous, octadecylsilyl, endcapped. Synthetic, spherical hybrid particles containing both inorganic (silica) and organic (organosiloxanes) components. To minimize any interaction with basic compounds, it is carefully endcapped to cover most of the remaining silanol groups.	Kinetex EVO C18	5 µm			

\* Available particle sizes that may be used if within allowable Ph. Eur. Adjustments

\*\*According to European Pharmacopeia (Ph. Eur.) Chapter 4.1.1.

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