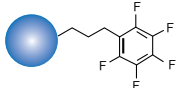


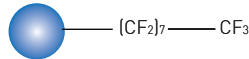
Ultisil® Fluorinated Phase(PFP&F-C8)

Ultisil® Fluorinated Phase has high selectivity and increased retention toward closely related compounds, including both aromatic fluorinated compounds and other nonaromatic halogenated compounds. It can be used in reversed phase and provides an alternative and complementary separation to that performed on C8 or C18 columns for many analytes. Fluorinated phase has better separation for ionic and polar compounds than do alkyl phases. Fluorinated phase can provide different elution orders, leading to enhanced selectivity for compounds that are difficult to separate.

Ultisil® PFP

Structural Formula	
pH Range	1.5-10.0
Particle Size	3 μm, 5 μm
Surface Area(m ² /g)	320(120 Å)
Carbon Loading(%)	12(120 Å)
USP List	L11
Endcapped	Yes

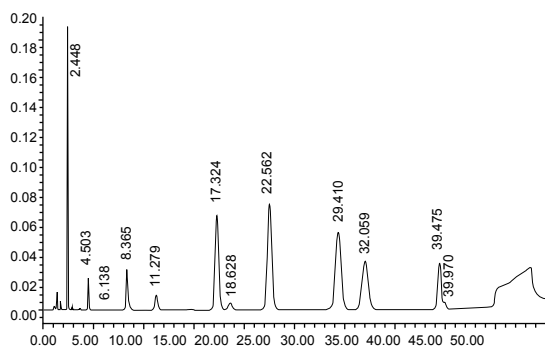
Ultisil® F-C8

Structural Formula	
pH Range	1.5-10.0
Particle Size	3 μm, 5 μm
Surface Area(m ² /g)	320(120 Å)
Carbon Loading(%)	12(120 Å)
USP List	L7
Endcapped	Yes

Ultisil® PFP

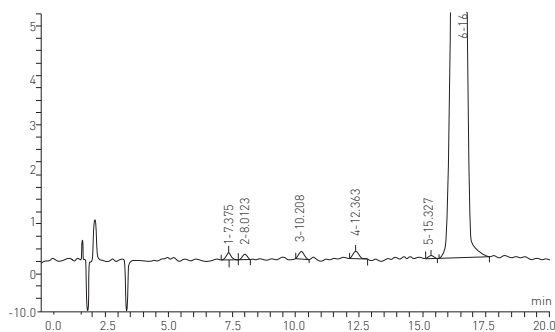
Ultisil® PF-Phenyl is a phase primarily used in the separation of molecules bearing fluorine atoms, but may also be in the separation of non-fluorinated compounds such as Taxol and its derivatives. Because of its phenyl ring, it has a higher selectivity for aromatic molecules than for other alkyl-fluorinated phases. Ultisil® PF-Phenyl can separate nitro-benzene isomers (para vs. ortho), which cannot be separated by conventional phenyl phase.

Analysis of Taxol



Column:	Ultisil® PFP, 4.6 ×250 mm, 5 μm		
Mobile Phase:	A: acetonitrile B: water		
Gradient Program:	Time(min)	A(%)	B(%)
	0	35	65
	35	35	65
	60	80	20
	70	85	15
	80	85	65
Flow Rate:	2.6 mL/min		
Injection Volume:	227 nm		
Temperature:	30°C		
Injection Volume:	10 μL		

Parecoxib Sodium

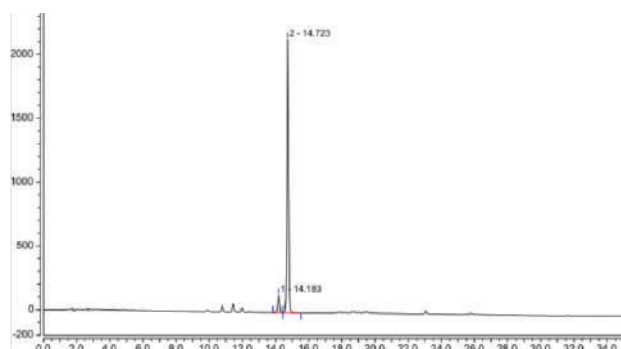


Column:	Ultisil® PFP, 4.6 ×250 mm, 5 μm		
Mobile Phase:	A: 0.1% TFA water solution B: methanol		
Gradient Program:	Time(min)	A(%)	B(%)
	0	55	45
	20	45	55
	40	10	90
Flow Rate:	1.0 mL/min		
Injection Volume:	225 nm		
Temperature:	40°C		
Injection Volume:	10 μL		

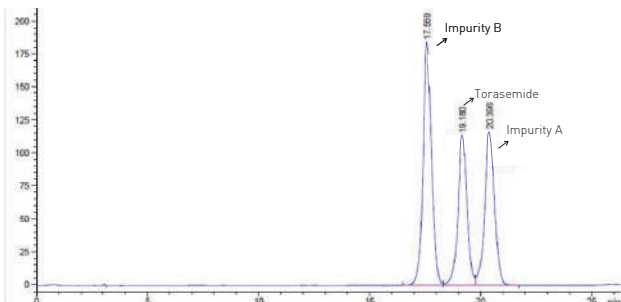
Ultisil® F-C8

Ultisil® F-C8 column has high selectivity and increased retention toward halogenated aromatic and alkyl compounds, but different from octal alkyl phase.

Dolasetron Mesylate



Toraseamide



Ordering Information

Ultisil® PFP

Particle size	Column ID (mm)	Column Length (mm)										Guard Cartridge	Cartridge holder
		30	33	50	75	100	125	150	200	250	300		
3 µm 120 Å	2.1	H00224-21009	H09224-21009	H00224-21010	H00224-21011	H00224-21012	H00224-21013	H00224-21014	H00224-21015	H00224-21016	-	H00808-23019	00808-01107
	3.0	H00224-21018	-	H00224-21019	H00224-21020	H00224-21021	H00224-21022	H00224-21023	H00224-21024	H00224-21025	-	H00808-23019	00808-01107
	4.0	H00224-21027	-	H00224-21028	H00224-21029	H00224-21030	H00224-21031	H00224-21032	H00224-21033	H00224-21034	-	H00808-03024	00808-01101
	4.6	H00224-21036	H11224-21036	H00224-21037	H00224-21038	H00224-21039	H00224-21040	H00224-21041	H00224-21042	H00224-21043	-	H00808-03024	00808-01101
5 µm 120 Å	2.1	H00224-31009	H09224-31009	H00224-31010	H00224-31011	H00224-31012	H00224-31013	H00224-31014	H00224-31015	H00224-31016	-	H00808-24035	00808-01107
	3.0	H00224-31018	-	H00224-31019	H00224-31020	H00224-31021	H00224-31022	H00224-31023	H00224-31024	H00224-31025	-	H00808-24035	00808-01107
	4.0	H00224-31027	-	H00224-31028	H00224-31029	H00224-31030	H00224-31031	H00224-31032	H00224-31033	H00224-31034	H00224-31035	H00808-04024	00808-01101
	4.6	H00224-31036	H11224-31036	H00224-31037	H00224-31038	H00224-31039	H00224-31040	H00224-31041	H00224-31042	H00224-31043	H00224-31044	H00808-04024	00808-01101

Ultisil® F-C8

Particle size	Column ID (mm)	Column Length (mm)										Guard Cartridge	Cartridge holder
		30	33	50	75	100	125	150	200	250	300		
3 µm 120 Å	2.1	H00222-21009	H09222-21009	H00222-21010	H00222-21011	H00222-21012	H00222-21013	H00222-21014	H00222-21015	H00222-21016	-	H00808-23021	00808-01107
	3.0	H00222-21018	-	H00222-21019	H00222-21020	H00222-21021	H00222-21022	H00222-21023	H00222-21024	H00222-21025	-	H00808-23021	00808-01107
	4.0	H00222-21027	-	H00222-21028	H00222-21029	H00222-21030	H00222-21031	H00222-21032	H00222-21033	H00222-21034	-	H00808-03023	00808-01101
	4.6	H00222-21036	H11222-21036	H00222-21037	H00222-21038	H00222-21039	H00222-21040	H00222-21041	H00222-21042	H00222-21043	-	H00808-03023	00808-01101
5 µm 120 Å	2.1	H00222-31009	H09222-31009	H00222-31010	H00222-31011	H00222-31012	H00222-31013	H00222-31014	H00222-31015	H00222-31016	-	H00808-24036	00808-01107
	3.0	H00222-31018	-	H00222-31019	H00222-31020	H00222-31021	H00222-31022	H00222-31023	H00222-31024	H00222-31025	-	H00808-24036	00808-01107
	4.0	H00222-31027	-	H00222-31028	H00222-31029	H00222-31030	H00222-31031	H00222-31032	H00222-31033	H00222-31034	H00222-31035	H00808-04038	00808-01101
	4.6	H00222-31036	H11222-31036	H00222-31037	H00222-31038	H00222-31039	H00222-31040	H00222-31041	H00222-31042	H00222-31043	H00222-31044	H00808-04038	00808-01101

Don't see your needed size or format? Contact Welch or your local distributor for other dimensions.