

DEVELOSil HPLC COLUMNS

Spherical porous silica  
Low metal ion content  
3 and 5µm particle size

Range of C18 phases  
Hydrolytically stable at pH extremes  
C30 phase

**Spherical porous silica range of C18 phases hydrolytically stable at pH extremes RPAQUEOUS and RPAQUEOUS-AR (C30) phases for high aqueous eluents and polar selectivity Combi-RP (C30) for combinational chemistry applications**

Develosil columns are manufactured by Nomura Chemical Co., Japan. Five different C18 phases are offered: ODS-HG, ODS-MG, ODS-UG, ODS-SR and the speciality PAHS. Each phase offering slightly different selectivity. Two different C30 bonded phases have been developed for the analysis of difficult polar compounds. Develosil wide pore (300A) C4-HG, C8-HG and ODS-HG columns can also be supplied.

Develosil Phases

Develosil Phase	Endcapped	Particle Size (µm)	Pore Size (Å)	Surface Area (m <sup>2</sup> /g)	Carbon Load (%)	Bonding Type
TMS-UG	Yes	5	140	300	4.5	Monomeric monofunctional
C8-UG	Yes	5	140	300	11	Monomeric monofunctional
ODS-UG	Yes	3, 5	140	300	18	Monomeric monofunctional
Phenyl-UG	Yes	5	140	300	8	Monomeric monofunctional
CN-UG	Yes	5	140	300	7	Monomeric monofunctional
RPAQUEOUS (30) (C30)	Yes	3, 5	140	300	18	Monomeric monofunctional
RPAQUEOUS-AR	Yes	3, 5	140	300	18	Monomeric trifunctional
ODS-MG	Yes	3, 5	100	300	15	Polymeric trifunctional
ODS-HG	Yes	3, 5	140	450	18	Polymeric trifunctional
ODS-SR	Yes	5	80	*	18	Polymeric trifunctional
PAHS	No	3, 5	120	350	23	Polymeric monofunctional

Column Catalogue

Develosil Phase	Column Dimensions (mm)		
	3µm 50x4.6	100x4.6	150x4.6
ODS-UG-3	UG11346050W	UG11346100W	UG11346150W
ODS-MG-3	MG11346050W	MG11346100W	MG11346150W
ODS-HG-3	HG11346050W	HG11346100W	HG11346150W
RPAQUEOUS (C30-UG) -3	RPAQ346050W	RPAQ346100W	RPAQ346150W
RPAQUEOUS-AR3	RPAR34605W	RPAR346100W	RPAR346150W
ODS-SR-3	SR11346050W	SR11346100W	SR11346150W
PAHS	PAHS346050W	PAHS346100W	PAHS346150W

Develosil Phase	Column Dimensions (mm)			Guard Cartridge <sup>1</sup> 10X4.0
	5µm 100x4.6	150x4.6	250x4.6	
TMS-UG-5	UG14546100W	UG14546150W	UG14546250W	UG14540010W
C8-UG-5	UG12546100W	UG12546150W	UG12546250W	UG12540010W
ODS-UG-5	UG11546100W	UG11546150W	UG11546250W	UG11540010W
Phenyl-UG-5	UG15546100W	UG15546150W	UG15546250W	UG15540010W
CN-UG-5	UG16546100W	UG16546150W	UG16546250W	UG16540010W
ODS-MG-5	MG11546100W	MG11546150W	MG11546250W	MG11540010W
ODS-HG-5	HG11546100W	HG11546150W	HG11546250W	HG115400100
RPAQUEOUS (C30-UG) -5	RPAQ546100W	RPAQ546150W	RPAQ546250W	RPAQ540010W
RPAQUEOUS-AR-5	RPAR546100W	RPAR546150W	RPAR546250W	*
ODS-SR-5	SR11546100W	SR11546150W	SR11546250W	*
PAHS	PAHS546100W	SR11546150W	PAHS546250W	*

Combi-RP Phases

Develosil Phase	Particle Size (µm)	Column Dimensions (mm)		
		35x4.6	50x4.6	50x20.0 150X20.0
Combi-RP-3	3	COMB346035W	COMB346050W	* *
Combi-RP-5	5	COMB546035W	COMB546050W	* COMB502050W COMB502150W