Separation mode	Functional group	Packing agent name	Particle size (μm)	Pore size (nm)	Specific surface area	Pore size (mL/g)	C%	Primary modification	End capping	Max. pressure	pH range*	Validation Support	Solvent filled at time of shipment	USP L No.	Other features
Reverse phase	C30	Navi C30-5	5	12	300	1.0	23	Polymeric	○	20 MPa	2.0-7.5	-	CH_3CN/H_2O=60/40	L62	Comparison can be made between packing agent with chain lengths from C18 to C30, high stereoselectivity
	C22	Navi C22-5	5	12	400	1.2	20	Monomeric	○	20 MPa	2.0-7.5	-	CH_3CN/H_2O=60/40	-	Comparison can be made between packing agent with chain lengths from C18 to C30, high stereoselectivity
		Wakosil-II 5C22			330	1.0									Uses high-purity silica gel with low metal content
	ODS (C18)	eco-ODS	6-7	10.5-13.5	270-330	0.80-1.05	13.0-18.0	Monomeric		20 MPa	2.0-7.5	-	CH_3CN/H_2O=60/40	L1	Low price, uses environmentally friendly packaging materials
		Handy ODS													Low price
		Navi C18-5	5	12	300	1.0	19								Comparison can be made between packing agent with chain lengths from C18 to C30, high stereoselectivity
		Ultra C18-2	2	10	340	0.9	16	Polymeric		70 MPa	1.5-10		CH_3CN/H_2O=70/30		Low adsorption (polar compounds), available at pH 1.5 to 10.0, for UHPLC
		Ultra C18-3	3	12		1.0				30 MPa					Low adsorption (polar compounds), available at pH 1.5 to 10.0
		Ultra C18-5	5							20 MPa			CH_3CN/H_2O=60/40		
		Wakosil-II 3C18 AR	3.0-3.7	11-13	280-320	0.85-1.00	17.0-22.0		○	30 MPa	1.4-9.4	○			Uses high-purity silica gel with low metal content, available at pH 1.4 to 9.4, high stereoselectivity
		Wakosil-II 3C18 HG	3.2-3.7				13.0-17.0	Monomeric			2.0-7.5				Uses high-purity silica gel with low metal content, high number of theoretical plates
		Wakosil-II 3C18 RS	3.0-3.7	9.5-11.5	390-430	0.95-1.10	16.0-18.0								Uses high-purity silica gel with low metal content, high resolution in aqueous eluents
		Wakosil 5C18	5	12	300	1.0	20			20 MPa		-			-
		Wakosil 5C18AR					17	Polymeric			1.4-9.5				Available at pH 1.4 to 9.4, high stereoselectivity
		Wakosil-II 5C18 AR	4.2-4.7	11-13	280-320	0.85-1.00	17.0-22.0				1.4-9.4	○			Uses high-purity silica gel with low metal content, available at pH 1.4 to 9.4, high stereoselectivity
		Wakosil-II 5C18 AR Prep	about 5	12	300	1.0	18					-			Uses high-purity silica gel with low metal content, for fractionation
		Wakosil-II 5C18 HG	4.2-4.7	11-13	280-320	0.85-1.00	13.0-17.0	Monomeric			2.0-7.5	○			Uses high-purity silica gel with low metal content, high number of theoretical plates
		Wakosil-II 5C18 HG Prep	about 5	12	300	1.0	16					-			Uses high-purity silica gel with low metal content, for fractionation
		Wakosil 5C18N	5				20		-						Adsorption by silanol groups
		Wakosil-II 5C18 RS	4.2-4.7	11-13	390-430	1.15-1.30	16.0-18.5					○			Uses high-purity silica gel with low metal content, high resolution in aqueous eluents
		Wakosil-II 5C18 RS Prep	about 5	12	400	1.2	17								Uses high-purity silica gel with low metal content, for fractionation
		Wakosil 5C18T	5		300	1.0	20		○			-			Reversed-phase distribution, adsorption by slight silanol groups
		Wakosil-II 5C18-100		10	350		22								Uses high-purity silica gel with low metal content, high carbon content
		Wakosil 5C18-200		20	200		12								Rapid analysis
		Wakosil 5C18-200N							-						Adsorption by slight silanol groups, rapid analysis
		Wakosil 5C18-200T													Reversed-phase distribution, adsorption by slight silanol groups, rapid analysis
		Wakosil 7C18	7	12	300		20		○	15 MPa					-
		Wakosil 10C18	10							10 MPa					
		Wakosil 10C18-200		20	200		12			15 MPa					Rapid analysis
	C8	Wakosil-II 3C8 RS	3	10	400	1.0	10	Monomeric	○	20 MPa	2.0-7.5	-	CH_3CN/H_2O=60/40	L7	Uses high-purity silica gel with low metal content, high resolution in aqueous eluents
		Wakosil 5C8	5	12	300		12								-
		Wakosil-II 5C8 HG					10								Uses high-purity silica gel with low metal content, high number of theoretical plates
		Wakosil-II 5C8 RS			400										Uses high-purity silica gel with low metal content, high resolution in aqueous eluents
	C4	Wakosil 5C4	5	12	300	1.0	8	Monomeric	○	20 MPa	2.0-7.5	-	CH_3CN/H_2O=60/40	L26	-
		Wakosil 5C4-200		20	200		5								Rapid analysis
	C1 (Trimethylsilyl)	Wakosil 5TMS	5	12	300	1.0	4	Monomeric	○	20 MPa	2.0-7.5	-	CH_3CN/H_2O=60/40	L13	-
	Ph (Phenyl)	Wakosil 5Ph	5	12	300	1.0	9	Monomeric	○	20 MPa	2.0-7.5	-	CH_3CN/H_2O=60/40	L11	-
	Polyfluoroalkyl	Fluofix-II 120E	5	12	300	1.0	9.5	Monomeric	○	20 MPa	2.0-7.5	-	CH_3CN	L##	Specific ability to recognize halogen compounds
Normal + Reverse phase	CN (Cyanopropyl)	Wakosil 5CN	5	12	300	1.0	7	Monomeric	-	20MPa	2.0-7.5	-	Ethanol	L10	-
		Wakosil-II 5CN		11	360				○						Uses high-purity silica gel with low metal content
	NH_2 (Aminopropyl)	Wakosil 5NH_2	5	12	300	1.0	-	Monomeric	-	20 MPa	2.0-7.5	-	Ethanol	L8	Amino group content 1.35 mmol/g
Normal phase	OH (Silanol)	Wakosil 5SIL	5	6	500	0.75	-	-	-	20 MPa	1.0-4.0	-	*n*-Hexane/CH_3CN=99/1	L3	-
		Wakosil 5SIL-120	5	12	300	1.0				10 MPa					Rapid analysis
		Wakosil-II 5SIL Prep	about 5							15 MPa					Uses high-purity silica gel with low metal content, for fractionation
		Wakosil 7SIL-120	7							15 MPa					Rapid analysis
		Wakosil 10SIL	10	6	500	0.75				10 MPa					-
HILIC	OH (Silanol)	Wakosil-II 5SIL-AQ	5	6	500	0.75	-	-	-	20 MPa	1.0-4.0	-	CH_3CN	L3	Used in hydrophilic interaction chromatography (HILIC)
Size exclusion	$(OH)_2$ (Diol)	Wakosil 5Diol-60	5	6	-	-	-	-	-	35 MPa	5.0-7.5	-	0.05% NaN_3	L20, L33, L59	Silica-based gel filtration columns
		Wakosil 5Diol-120		12											
		Wakosil 5Diol-200		20											
		Wakosil 5Diol-300		30										L33, L59	
Dedicated column	for ADRA	Core C18 ADRA	-	-	-	-	-	-	-	-	-	-	-	-	for ADRA analysis
	for Amino acid analysis	Ultra APDS TAG®	-	-	-	-	-	-	-	-	-	-	-	-	for LC/MS amino acid analysis using APDS method, can separate amino acids with identical *m/z* (e.g. leucine, isoleucine), for UHPLC
	for Amino acid composition analysis	Wakosil-PTC	5	-	-	-	-	-	-	20 MPa	2.0-7.5	-	CH_3CN/H_2O=60/40	-	for amino acid analysis composition analysis using PTC method
	for Amino acid sequence analysis	Wakosil-PTH-II	5	-	-	-	-	-	-	20 MPa	2.0-7.5	-	PTH-amino Acids Mobile Phase	-	for amino acid composition analysis by Edman degradation (isocratic method)
		Wakosil-PTH-GR											-		for amino acid composition analysis by Edman degradation (gradient method)
	for Anionic surfactant (LAS) analysis	Wakosil AS-Aqua	5	-	-	-	-	-	-	20 MPa	2.0-7.5	-	CH_3CN/H_2O=60/40	-	Separate anionic surfactant (LAS) isomers as one peak per carbon chain length
	for Biological samples analysis (direct injection)	Wakosil GP-N6	5	-	-	-	-	-	-	20 MPa	2.0-7.5	-	CH_3CN/H_2O=60/40	-	for Biological samples analysis by direct injection, proteins pass through the column
	for Combinatorial chemistry purification	Combi CN	5	10	400	1.0	9	Monomeric	○	20 MPa	2.0-7.5	-	Ethanol	L10	for Combinatorial chemistry purification
		Combi ODS				1.2	17						CH_3CN/H_2O=60/40	L1	
		Combi ODS fast	3			1.0				30 MPa					for combinatorial chemistry purification, rapid separation
	for DNPH aldehyde analysis	Wakosil DNPH	5	-	-	-	-	-	-	20 MPa	2.0-7.5	-	CH_3CN/H_2O=60/40	-	for DNPH derivatized aldehyde analysis
		Wakosil DNPH-II													for DNPH derivatized aldehyde analysis, rapid analysis
	for Oligo DNA analysis	Wakosil-DNA	5	-	-	-	-	-	-	20 MPa	2.0-9.0	-	CH_3CN/H_2O=60/40	-	for Oligo DNA (single strand DNA up to tens of mer) analysis
	for Pesticide residue analysis	Wakosil-Cu	5	-	-	-	-	Monomeric	○	20 MPa	2.0-7.5	-	Wakosil® Agri-9 Eluent	L1	for Oxine copper analysis of pesticides
		Wakosil Agri-9						-	-					-	for Pesticide residue analysis
	for Polycyclic aromatic hydrocarbon analysis	Wakosil-PAHs	5	-	-	-	-	Polymeric	○	20 MPa	1.4-9.5	-	CH_3CN/H_2O=60/40	L1, L118	for 16 PAHs analysis as specified by EPA610

*Practical tests in the stated pH range have not been conducted.