Separation mode	Functional group	Wakopak®	Particle size (μm)	Pore size (nm)	Specific surface area (㎡/g)	Pore volume (mL/g)	C%	Silica surface	Endcapping	Feature	Analytical validation support column	USP L##	Maximum pressure	pH range*	Solvent at release
Distribution	ODS（C18）	Ultra C18-2	2	10	340	0.9	16	Polymeric	○	High-pressure-proof silica gel adopted, low-adsorption, for high-speed separation		L1	70 MPa	1.5-10	CH_3CN/H_2O=70/30
	ODS（C18）	Ultra C18-3	3	12	340	1.0	16	Polymeric	○	Low-adsorption,High durability		L1	30 MPa	1.5-10	CH_3CN/H_2O=70/30
	ODS（C18）	Ultra C18-5	5	12	340	1.0	16	Polymeric	○	Low-adsorption,High durability		L1	20 MPa	1.5-10	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil-Ⅱ 5C18	5	15	300	1.2	17	Polymeric	○			L1	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil-Ⅱ 5C18-100	5	10	350	1.0	22	Polymeric	○	High carbon content		L1	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil-Ⅱ 5C18 HG	4.2～4.7	11～13	280～320	0.85～1.00	13.0～17.0	Polymeric	○	High number of theoretical plates	○	L1	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil-Ⅱ 5C18 AR	4.2～4.7	11～13	280～320	0.85～1.00	17.0～22.0	Polymeric	○	Available in pH1.4～9.4	○	L1	20 MPa	1.4-9.4	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil-Ⅱ 5C18 RS	4.2～4.7	11～13	390～430	1.15～1.30	16.0～18.5	Polymeric	○	Large retention of high polarity sample	○	L1	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil-Ⅱ 3C18 HG	3.2～3.7	11～13	280～320	0.85～1.00	13.0～17.0	Polymeric	○	High number of theoretical plates	○	L1	30 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil-Ⅱ 3C18 AR	3.0～3.7	11～13	280～320	0.85～1.00	17.0～22.0	Polymeric	○	High number of theoretical plates	○	L1	30 MPa	1.4-9.4	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil-Ⅱ 3C18 RS	3.0～3.7	9.5～11.5	390～430	0.95～1.10	16.0～18.0	Polymeric	○	High number of theoretical plates	○	L1	30 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil-Ⅱ 5C18 HG Prep	about 5	12	300	1.0	16	Polymeric	○	Low column back pressure (for fractionation)		L1	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil-Ⅱ 5C18 AR Prep	about 5	12	300	1.0	18	Polymeric	○	Low column back pressure (for fractionation)		L1	20 MPa	1.4-9.4	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil-Ⅱ 5C18 RS Prep	about 5	12	400	1.2	17	Polymeric	○	Low column back pressure (for fractionation)		L1	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	Handy ODS	6～7	10.5～13.5	270～330	0.80～1.05	13.0～18.0	Polymeric	○	Low column back pressure		L1	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil 5C18	5	12	300	1.0	20	Polymeric	○			L1	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil 5C18T	5	12	300	1.0	20	Polymeric	○			L1	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil 5C18N	5	12	300	1.0	20	Polymeric	-			L1	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil 7C18	7	12	300	1.0	20	Polymeric	○			L1	15 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil 10C18	10	12	300	1.0	20	Polymeric	○			L1	10 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil 5C18AR	5	12	300	1.0	17	Polymeric	○			L1	20 MPa	1.4-9.5	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil 5C18-200	5	20	200	1.0	12	Polymeric	○			L1	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil 5C18-200T	5	20	200	1.0	12	Polymeric	○			L1	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil 5C18-200N	5	20	200	1.0	12	Polymeric	-			L1	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	Wakosil 10C18-200	10	20	200	1.0	12	Polymeric	○			L1	15 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	eco-ODS	5	12	300	1.0	16	Polymeric	○	Reasonable price		L1	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	ODS（C18）	Navi C18-5	5	12	300	1.0	19	Polymeric	○	High purity silica gel		L1	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	C22	Navi C22-5	5	12	400	1.2	20	Polymeric	○	Large retention of high polarity sample		-	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	C30	Navi C30-5	5	12	300	1.0	23	Polymeric	○	Excellent in 3-dimensional structure recognition ability		L62	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	C22	Wakosil-Ⅱ 5C22	5	12	330	1.0	20	Polymeric	○	High number of theoretical plates		-	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	C8	Wakosil-Ⅱ 5C8 HG	5	12	300	1.0	10	Polymeric	○			L7	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	C8	Wakosil-Ⅱ 5C8 RS	5	12	400	1.0	10	Polymeric	○			L7	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	C8	Wakosil-Ⅱ 3C8 RS	3	10	400	1.0	10	Polymeric	○			L7	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	C8	Wakosil 5C8	5	12	300	1.0	12	Polymeric	○			L7	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	C4	Wakosil 5C4	5	12	300	1.0	8	Polymeric	○			L26	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	C4	Wakosil 5C4-200	5	20	200	1.0	5	Polymeric	○			L26	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	C1（Trimethylsilyl）	Wakosil 5TMS	5	12	300	1.0	4	Polymeric	○			L13	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	Ph（Phenyl）	Wakosil 5Ph	5	12	300	1.0	9	Polymeric	○			L11	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	CN（Cyanopropyl）	Wakosil-Ⅱ 5CN	5	11	360	1.0	7	Polymeric	○			L10	20 MPa	2-7.5	Ethanol
	CN（Cyanopropyl）	Wakosil 5CN	5	12	300	1.0	7	Polymeric	-			L10	20 MPa	2-7.5	Ethanol
	NH_2（Aminopropyl）	Wakosil $5NH_2$	5	12	300	1.0		Polymeric	-	Amount of amino group bound 1.35 mmol/g		L8	20 MPa	2-7.5	Ethanol
	Polyfluoroalkyl	Fluofix-Ⅱ 120E	5	12	300	1.0	9.5	Polymeric	○	Specific retention of compounds with halogens		L##	20 MPa	2-7.5	CH_3CN
Size exclusion	Diol	Wakosil 5Diol-60	5	6						Silica-based gel filtration column		L20, L33, L59	35 Mpa	5-7.5	0.05% NaN_3
	Diol	Wakosil 5Diol-120	5	12						Silica-based gel filtration column		L20, L33, L59	35 Mpa	5-7.5	0.05% NaN_3
	Diol	Wakosil 5Diol-200	5	20						Silica-based gel filtration column		L20, L33, L59	35 Mpa	5-7.5	0.05% NaN_3
	Diol	Wakosil 5Diol-300	5	30						Silica-based gel filtration column		L33, L59	35 Mpa	5-7.5	0.05% NaN_3
HILIC	OH（Silanol）	Wakosil-Ⅱ 5SIL-AQ	5	6	500	0.75	-	-	-	Used in separation mode utilizing hydrophilic interaction		L3	20 MPa	1-4.0	CH_3CN
Adsorption	OH（Silanol）	Wakosil 5SIL	5	6	500	0.75	-	-	-			L3	20 MPa	1-4.0	*n*-Hexane/CH_3CN=99/1
	OH（Silanol）	Wakosil 10SIL	10	6	500	0.75	-	-	-			L3	10 Mpa	1-4.0	*n*-Hexane/CH_3CN=99/1
	OH（Silanol）	Wakosil 5SIL-120	5	12	300	1.0	-	-	-			L3	20 MPa	1-4.0	*n*-Hexane/CH_3CN=99/1
	OH（Silanol）	Wakosil 7SIL-120	7	12	300	1.0	-	-	-			L3	15 MPa	1-4.0	*n*-Hexane/CH_3CN=99/1
	OH（Silanol）	Wakosil-Ⅱ 5SIL Prep	about 5	12	300	1.0	-	-	-	High-purity silica gel for normal phase (for fractionation)		L3	15 MPa	1-4.0	*n*-Hexane/CH_3CN=99/1
Dedicated column	For amino acid composition analysis	Wakosil-PTH	5					-	-	For PTH derivatized amino acid analysis by Edman degradation		-	20 MPa	2-7.5	Wakosil PTH dedicated eluent (20 mM Acetate buffer solution/CH_3CN)
	For amino acid composition analysis	Wakosil-PTC	5					-	-	For PTC derivatized amino acid analysis by PTC method		-	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	For direct analysis of biological samples	Wakosil GP-N6	5					-	-	Proteins pass through the column		-	20 MPa	2-7.5	CH_3CN/H_2O=40/60
	For oligo DNA analysis	Wakosil-DNA	5					-	-	For oligo DNA (single-stranded DNA of up to several tens of mer) analysis		-	20 MPa	2-9	CH_3CN/H_2O=60/40
	For oxine copper analysis	Wakosil-Cu	5					Polymeric	○	For analysis of oxine copper in pesticides		L1	20 MPa	2-7.5	Wakosil Agri-9 dedicated eluent (50 mM Phosphate buffer solution/CH_3CN)
	For residual pesticide analysis	Wakosil Agri-9	5					-	-	For residual pesticide analysis		-	20 MPa	2-7.5	Wakosil Agri-9 dedicated eluent (50 mM Phosphate buffer solution/CH_3CN)
	For polycyclic aromatic hydrocarbons analysis	Wakosil-PAHs	5					Polymeric	○	For analysis of 16 type polycyclic aromatic hydrocarbons (PAHs) specified in EPA 610		L1, L118	20 MPa	1.4-9.5	CH_3CN/H_2O=60/40
	For DNPH - aldehyde analysis	Wakosil DNPH	5					-	-	For DNPH derivatized aldehyde analysis		-	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	For DNPH - aldehyde analysis	Wakosil DNPH-Ⅱ	5					-	-	For DNPH derivatized aldehyde rapid analysis		-	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	For combinatorial chemistry (C18; ODS)	Combi ODS	5	10	400	1.2	17	Polymeric	○	For purification in combinatorial chemistry		L1	20 MPa	2-7.5	CH_3CN/H_2O=60/40
	For combinatorial chemistry (C18; ODS)	Combi ODS fast	3	10	400	1.0	17	Polymeric	○	For purification in combinatorial chemistry (rapid separation)		L1	30 MPa	2-7.5	CH_3CN/H_2O=60/40
	For combinatorial chemistry (CN; Cyanopropyl)	Combi CN	5	10	400	1.0	8.5	Polymeric	○	For purification in combinatorial chemistry		L10	20 MPa	2-7.5	Ethanol
	For anionic surfactant analysis	Wakosil AS-Aqua	5					-	-	Separate branched-chain anionic surfactants by length of carbon chains		-	20 MPa	2-7.5	CH_3CN/H_2O=60/40

＊No practical tests have been conducted in the listed pH range.