

Standard Packed Column

P/N	Packing Material					Column Size Length x I.D.	Material of column	Application
	Stationary Phase	%	Support	Mesh Size	Treatment			
A								
ZA-1	Activated Charcoal			60/80		1.0mx3.0mm	SUS	Permanent gases
ZA-2	Activated Charcoal			60/80		2.0mx3.0mm	SUS	Permanent gases
ZA-3	Activated Charcoal			60/80		3.0mx3.0mm	SUS	Permanent gases
D								
ZD-1	DEGS-HG	20	Chromosorb W	80/100	AW-DMCS	0.5mx3.2mm	Glass	Alkyl mercury
ZD-2	DEGS-HG	10	Chromosorb W	80/100	AW-DMCS	0.5mx3.2mm	Glass	Phenyl mercury
ZD-4	Diglycerol+TEP +KOH	15+ 15+ 2	Chromosorb W	80/100	AW-DMCS	3.1mx3.2mm	Glass	Lower amines
F								
ZF-1	FAL-M	10	SHINCARBON- A	80/100		2.1mx3.2mm	Glass	Lower free fatty- acids in water
ZF-2	FFAP+H ₃ PO ₄	0.3 + 0.3	Graphite Carbon	60/80		1.6mx3.2mm	Glass	Lower free fatty- acids
ZF-3	Flexol	25	Chromosorb W	60/80	AW-DMCS	2.1mx3.2mm	Glass	Ethyleneoxide Propyleneoxide
M								
ZM-1	Molecular Sieve 5A			60/80		2.0mx3.0mm	SUS	H ₂ , O ₂ , N ₂ , CO, CH ₄
ZM-2	Molecular Sieve 5A			60/80		1.0mx3.0mm	SUS	H ₂ , O ₂ , N ₂ , CO, CH ₄
ZM-3	Molecular Sieve 5A			60/80		3.0mx3.0mm	SUS	H ₂ , O ₂ , N ₂ , CO, CH ₄
ZM-4	Molecular Sieve 13X			60/80		1.0mx3.0mm	SUS	H ₂ , O ₂ , N ₂ , CO, CH ₄
ZM-5	Molecular Sieve 13X			60/80		2.0mx3.0mm	SUS	H ₂ , O ₂ , N ₂ , CO, CH ₄
ZM-6	Molecular Sieve 13X			60/80		3.0mx3.0mm	SUS	H ₂ , O ₂ , N ₂ , CO, CH ₄
O								
ZO-1	β,β'- Oxydipropionitrile (ODPN)	25	Chromosorb W	60/80	AW-DMCS- ST	3.1mx3.2mm	Glass	Hydrogen sulfide Methylmercaptane Sulfur dioxide
P								
ZP-1	PEG1500	25	Chromosorb W	60/80	AW-DMCS	3.1mx3.2mm	Glass	Isobutanol
ZP-2	PEG6000	10	SHINCARBON- A	60/80		2.1mx3.2mm	Glass	Alcohols in water
ZP-3	PEG20M	10	SHINCARBON- A	60/80		2.1mx3.2mm	Glass	Alcohols in water
ZP-5	Porapak-N			80/100		1.0mx3.0mm	SUS	Lower Hydrocarbons CO ₂
ZP-6	Porapak-Q			80/100		2.0mx3.0mm	SUS	Lower Hydrocarbons CO ₂
ZP-7	SP-1200 +Bentone34	5+ 1.7 5	Chromosorb W	80/100	AW-DMCS	2.1mx3.2mm	Glass	Styrenemonomer
ZP-8	SP-1200 +Bentone34	5+ 1.7 5	Chromosorb W	60/80	AW-DMCS	3.1mx3.2mm	Glass	Styrenemonomer

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ZP-9	PEG6000	10	Shimaite-TPA	60/80		2.1mx3.2mm	Glass	Lower free fatty acids
ZP-10	PEG20M	10	Chromosorb W	60/80	AW-DMCS	2.1mx3.2mm	Glass	Hydrocarbons Alcohols Esters Ketones
ZP-11	Porapak-N			50/80		1.0mx3.0mm	SUS	Lower Hydrocarbons CO ₂
ZP-12	Porapak-N			50/80		2.0mx3.0mm	SUS	Lower Hydrocarbons CO ₂
ZP-13	Porapak-N			50/80		3.0mx3.0mm	SUS	Lower Hydrocarbons CO ₂
ZP-14	Porapak-N			80/100		2.0mx3.0mm	SUS	Lower Hydrocarbons CO ₂
ZP-15	Porapak-N			80/100		3.0mx3.0mm	SUS	Lower Hydrocarbons CO ₂
ZP-16	Porapak-Q			50/80		1.0mx3.0mm	SUS	Lower Hydrocarbons CO ₂
ZP-17	Porapak-Q			50/80		2.0mx3.0mm	SUS	Lower Hydrocarbons CO ₂
ZP-18	Porapak-Q			50/80		3.0mx3.0mm	SUS	Lower Hydrocarbons CO ₂
ZP-19	Porapak-Q			80/100		1.0mx3.0mm	SUS	Lower Hydrocarbons CO ₂
ZP-20	Porapak-Q			80/100		3.0mx3.0mm	SUS	Lower Hydrocarbons CO ₂
R								
ZR-1	Reoplex400	10	Chromosorb W	80/100	AW-DMCS	2.1mx3.2mm	ガラス	For the anaerobe identification
S								
ZS-1	SBS-100	10	Shimalite-TPA	60/80		3.1mx3.2mm	Glass	Working- environmental- substances
ZS-2	SBS-120	12	SHINCARBON- A	80/100		3.1mx3.2mm	Glass	(Organic solvents)
ZS-3	SBS-200	20	Shimalite-W	100/ 120	AW-DMCS	3.1mx3.2mm	Glass	(Organic solvents)
ZS-4	SBS-300	20	Shimalite-W	80/100	AW-DMCS	3.1mx3.2mm	Glass	Chloric solvents
ZS-5	Shinchrom E-71	5	Shimalite	80/100	AW	3.1mx3.2mm	Glass	Fatty acid- methylesters
ZS-6	Silicone DC 200	10	Chromosorb W	80/100	AW-DMCS	3.1mx3.2mm	Glass	Tthalomethane
ZS-7	Silicone DC 200	20	Chromosorb W	80/100	AW-DMCS	3.1mx3.2mm	Glass	Tthalomethane
ZS-8	Silicone DC 550	10	Chromosorb W	80/100	AW-DMCS	3.1mx3.2mm	Glass	Tthalomethane
ZS-9	Silicone DC 550	20	Chromosorb W	80/100	AW-DMCS	3.1mx3.2mm	Glass	Tthalomethane
ZS-11	Silicone DC 200	5	Chromosorb W	80/100	HP	2.1mx3.2mm	Glass	Phosphorus system pesticide residue
ZS-13	Silicone DC 200	5	Chromosorb W	80/100	HP	1.1mx3.2mm	Glass	Phosphorus system pesticide residue
ZS-56	Silicone OV-1	2	Chromosorb W	60/80	AW-DMCS	2.1mx3.2mm	Glass	PCB

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S								
ZS-57	Silicone OV-1	2	Chromosorb W	80/100	AW-DMCS	2.1mx3.2mm	Glass	PCB
ZS-59	Silicone OV-17	2	Chromosorb W	80/100	AW-DMCS	2.1mx3.2mm	Glass	Chloric pesticide PCB
ZS-66	Silicone OV-17	1	Chromosorb W	80/100	AW-DMCS	2.1mx3.2mm	Glass	2,4-DNPH acetaldehyde
ZS-70	Sunpak-S			80/100		2.1mx3.2mm	Glass	Hydrogen sulfide sulfurization Carbonium in Lower Hydrocarbons (C ₁ ~C ₄)
ZS-71	SM-6		Shimalite	60/70	NAW	6.0mx3.0mm	SUS	LPG (with DATA)
ZS-72	Sunpak-A			50/80		2.1mx3.2mm	Glass	ALower alcohols Lower hydrocarbons
ZS-73	Silica Gel			60/80		1.0mx3.0mm	SUS	Permanent Gases
ZS-74	Silica Gel			60/80		2.0mx3.0mm	SUS	Permanent Gases
ZS-75	Silicca Gel			60/80		3.0mx3.0mm	SUS	Permanent Gases
T								
ZT-1	Thermon-1000	5	Sunpak-A	50/80		2.1mx3.2mm	Glass	Lower alcohols in- the water
ZT-2	Thermon-3000	5	SHINCARBON A	60/80		1.6mx3.2mm	Glass	Lower free fatty- acids and Lactic- acids in water
ZT-3	Thermon-3000	2	SHINCARBON A	60/80		2.1mx3.2mm	Glass	PEG300 in water
ZT-4	Thermon-3000 +KOH	5+1	Sunpak-A	50/80		2.1mx3.2mm	Glass	Lower amines in water
ZT-5	Thermon-HG	10	Chromosorb W	80/100	AW-DMCS	0.5mx3.0mm	Glass	Alkyl Mercury
ZT-6	1,2,3-Tris[2- (cyanoethoxy)Prop ane(TCEP)]	25	Shimalite	80/100	AW-DMCS- ST	3.1mx3.2mm	Glass	Hydrogen sulfide Methylmercaptane Sulfur dioxide
ZT-7	TSG-1	15	SHINCARBON A	60/80		3.1mx3.2mm	Glass	Formalin Lower alcohols
ZT-10	Shimalite Q			100 /180		0.5mx3.0mm	SUS	Reference column
ZT-11	SHINCARBON ST			50/80		2.0mx3.0mm	SUS	CO, CH ₄ , CO ₂ , C ₂ H ₄ , C ₂ H ₆
ZT-12	SHINCARBON ST			50/80		4.0mx3.0mm (2.0mx2)	SUS	H ₂ , O ₂ , N ₂ , CO, CH ₄ , CO ₂ , C ₂ H ₄ , C ₂ H ₆
ZT-13	SHINCARBON ST			50/80		6.0mx3.0mm (2.0mx3)	SUS	H ₂ , O ₂ , N ₂ , CO, CH ₄ , CO ₂ , C ₂ H ₄ , C ₂ H ₆
ZT-14	SHINCARBON ST			50/80		8.0mx3.0mm (2.0mx4)	SUS	H ₂ , O ₂ , N ₂ , CO, CH ₄ , CO ₂ , C ₂ H ₄ , C ₂ H ₆
ZT-15	SHINCARBON ST			50/80		1.0mx3.0mm	SUS	CO, CH ₄ , CO ₂ , C ₂ H ₄ , C ₂ H ₆
ZT-17	Thermon-3000 +KOH	2+2	Sunpak-N	60/100		2.1mx3.2mm	Glass	Ammonia in water Methylamine

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U								
ZU-1	Ucon LB-550X	25	Chromosorb W	60/80	AW-DMCS	3.1mx3.2mm	ガラス	Ethyl acetate Methyl isobutyl- ketone
Y								
The parallel separation column (with the test data)								
ZY-1	Molecular Sieve 5A			60/80		2.5mx3.0mm	SUS	O ₂ , N ₂ , CO ₂ , CO, CH ₄
	Porapak Q			80/100		1.5mx3.0mm	SUS	
	Shimalite Q			100 /180		0.5mx3.0mm	SUS	
ZY-2	Molecular Sive 5A			60/80		3.0mx3.0mm	SUS	H ₂ , O ₂ , N ₂ , CO ₂ , CO, CH ₄
	Porapak Q			80/100		1.5mx3.0mm	SUS	
	Shimalite Q			100 /180		0.5mx3.0mm	SUS	