

カラム出荷前検査変更点

製品	項目	変更前	変更後
YMC-Pack Diol-60	Peak asymmetry	As	Tf
	Eluent	0.1 M Phosphate buffer (pH7.4) /Acetonitrile (8/2)	0.1 M Phosphate buffer (pH7.4) /Acetonitrile (8/2)
	Detection	UV at 220 nm	UV at 220 nm
	Temperature	Ambient	Ambient
	Sample	1. BSA 2. Ribonuclease A 3. Angiotensin II 4. L-Valine	1. BSA 2. Angiotensin II 3. L-Valine
	Shipping solvent	0.05% Sodium azide	0.05% Sodium azide
YMC-Pack Diol-120	Peak asymmetry	As	Tf
	Eluent	0.1 M Phosphate buffer in 0.2 M NaCl (pH 7.0)	0.1 M Phosphate buffer in 0.2 M NaCl (pH 7.0)
	Detection	UV at 280 nm	UV at 280 nm
	Temperature	Ambient	Ambient
	Sample	1. Thyroglobulin 2. Ovalbumin 3. Myoglobin 4. Vitamin B12	1. Thyroglobulin 2. Ovalbumin 3. Myoglobin 4. Vitamin B12
	Shipping solvent	0.05% Sodium azide	0.05% Sodium azide
YMC-Pack Diol-200/Diol-300	Peak asymmetry	As	Tf
	Eluent	0.1 M Phosphate buffer in 0.2 M NaCl (pH 7.0)	0.1 M Phosphate buffer in 0.2 M NaCl (pH 7.0)
	Detection	UV at 280 nm	UV at 280 nm
	Temperature	Ambient	Ambient
	Sample	1. Thyroglobulin 2. γ-Globulin 3. Ovalbumin 4. Myoglobin 5. Vitamin B12	1. Thyroglobulin 2. γ-Globulin 3. Ovalbumin 4. Myoglobin 5. Vitamin B12
	Shipping solvent	0.05% Sodium azide	0.05% Sodium azide

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製品	項目	変更前	変更後
YMC CHIRAL α-CD BR	Peak asymmetry	As	Tf
	Eluent	0.15 M Phosphate buffer(pH 5.3) /Methanol (9/1)	0.15 M Phosphate buffer(pH 5.3) /Methanol (9/1)
	Detection	UV at 254 nm	UV at 254 nm
	Temperature	35°C	35°C
	Sample	1. tR0(Acetonitrile) 2. m-Nitrophenol 3. o-Nitrophenol 4. p-Nitrophenol	1. Uracil 2. m-Nitrophenol 3. o-Nitrophenol 4. p-Nitrophenol
	Shipping solvent	Acetonitrile	Acetonitrile
YMC CHIRAL β-CD BR	Peak asymmetry	As	Tf
	Eluent	0.5 M Triethylamine-Acetic acid (pH4.0) /Acetonitrile (3/7)	0.5 M Triethylamine-Acetic acid (pH4.0) /Acetonitrile (3/7)
	Detection	UV at 235 nm	UV at 235 nm
	Temperature	35°C	35°C
	Sample	1. tR0(Methanol) 2. (+)-Fenoprofen 3. (-)-Fenoprofen	1. Uracil 2. (+)-Fenoprofen 3. (-)-Fenoprofen
	Shipping solvent	Acetonitrile	Acetonitrile
YMC CHIRAL γ-CD BR	Peak asymmetry	As	Tf
	Eluent	0.1 M Triethylamine-Acetic acid (pH4.0) /Acetonitrile (6/4)	0.1 M Triethylamine-Acetic acid (pH4.0) /Acetonitrile (6/4)
	Detection	UV at 254 nm	UV at 254 nm
	Temperature	35°C	35°C
	Sample	1. tR0(Methanol) 2. N-CBZ-D-phenylalanine 3. N-CBZ-L-phenylalanine	1. Uracil 2. N-CBZ-D-phenylalanine 3. N-CBZ-L-phenylalanine
	Shipping solvent	Acetonitrile	Acetonitrile
YMC CHIRAL NEA (逆相モード用)	Peak asymmetry	As	Tf
	Eluent	Acetonitrile/Water (45/55)	Acetonitrile/Water (50/50)
	Detection	UV at 235 nm	UV at 235 nm
	Temperature	35°C	35°C
	Sample	NEA (R) 1. tR0(Methanol) 2. (+)-1,1'-Bi-2-Naphthol 3. (-)-1,1'-Bi-2-Naphthol NEA (S) 1. tR0(Methanol) 2. (-)-1,1'-Bi-2-Naphthol 3. (+)-1,1'-Bi-2-Naphthol	NEA (R) 1. Uracil 2. (+)-1,1'-Bi-2-Naphthol 3. (-)-1,1'-Bi-2-Naphthol NEA (S) 1. Uracil 2. (-)-1,1'-Bi-2-Naphthol 3. (+)-1,1'-Bi-2-Naphthol
	Shipping solvent	Acetonitrile /Water (45/55)	Acetonitrile /Water (50/50)
YMC CHIRAL NEA (順相モード用)	Peak asymmetry	As	Tf
	Eluent	Hexane/Dichloromethane/Ethanol (70/30/2)	Hexane/Dichloromethane/Ethanol (70/30/2)
	Detection	UV at 235 nm	UV at 235 nm
	Temperature	35°C	35°C
	Sample	NEA (R) 1. tR0(Chloroform) 2. (+)-1,1'-Bi-2-Naphthol 3. (-)-1,1'-Bi-2-Naphthol NEA (S) 1. tR0(Chloroform) 2. (-)-1,1'-Bi-2-Naphthol 3. (+)-1,1'-Bi-2-Naphthol	NEA (R) 1. 1,3,5-Tri-tert-butylbenzene 2. (+)-1,1'-Bi-2-Naphthol 3. (-)-1,1'-Bi-2-Naphthol NEA (S) 1. 1,3,5-Tri-tert-butylbenzene 2. (-)-1,1'-Bi-2-Naphthol 3. (+)-1,1'-Bi-2-Naphthol
	Shipping solvent	Hexane/Dichloromethane/Ethanol (70/30/2)	Hexane/Dichloromethane/Ethanol (70/30/2)

Peak asymmetry

As, As=b/a, b:The second half of the peak width at 10% peak height., a:The first half of the peak width at 10% peak height.

Tf, Tf=W_{0.05h}/2f, W_{0.05h}:The width of the peak at 5% peak height, f:The first half of the peak width at 5% peak height.