

Columns for Polymer-based Hydrophilic Interaction Chromatography (HILIC) (HILICpak)

Features

- New VG-50**
- Suitable for saccharides analysis by hydrophilic interaction chromatography (HILIC)
 - High recovery ratio of reducing saccharides
 - Polymer-based packing material provides excellent chemical stability and minimum deterioration over extended time period
 - Easily regenerated by washing in a alkaline solution
 - Also suitable for evaporative light scattering detector, corona charged aerosol detector, and LC/MS
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- New VT-50**
- Suitable for anionic substances analysis by hydrophilic interaction chromatography (HILIC)
 - Depends on the eluent selected, the column adds ion exchange mode
 - Polymer-based packing material provides excellent chemical stability and minimum deterioration over extended time period
 - Suitable for LC/MS

Standard columns

● VG-50

(Housing Material : SUS)

Product Code	Product Name	Plate Number (TP/column)	Functional Group	Particle Size (μm)	Pore Size (Å)	Column Size (mm) I.D. x Length	Shipping Solvent
F7630200	New HILICpak VG-50 4D	≥ 5,500	Amino	5	100	4.6 x 150	H ₂ O/CH ₃ CN=20/80
F7630100	New HILICpak VG-50 4E	≥ 7,500	Amino	5	100	4.6 x 250	H ₂ O/CH ₃ CN=20/80
F6711100	New HILICpak VG-50G 4A	(guard column)	Amino	5	100	4.6 x 10	H ₂ O/CH ₃ CN=20/80

Base Material : Polyvinyl alcohol

(Housing Material : PEEK)

Product Code	Product Name	Plate Number (TP/column)	Functional Group	Particle Size (μm)	Pore Size (Å)	Column Size (mm) I.D. x Length	Shipping Solvent
F7630300	New HILICpak VG-50 2D	≥ 3,500	Amino	5	100	2.0 x 150	H ₂ O/CH ₃ CN=15/85
F6711200	New HILICpak VG-50G 2A	(guard column)	Amino	5	100	2.0 x 10	H ₂ O/CH ₃ CN=15/85

Base Material : Polyvinyl alcohol

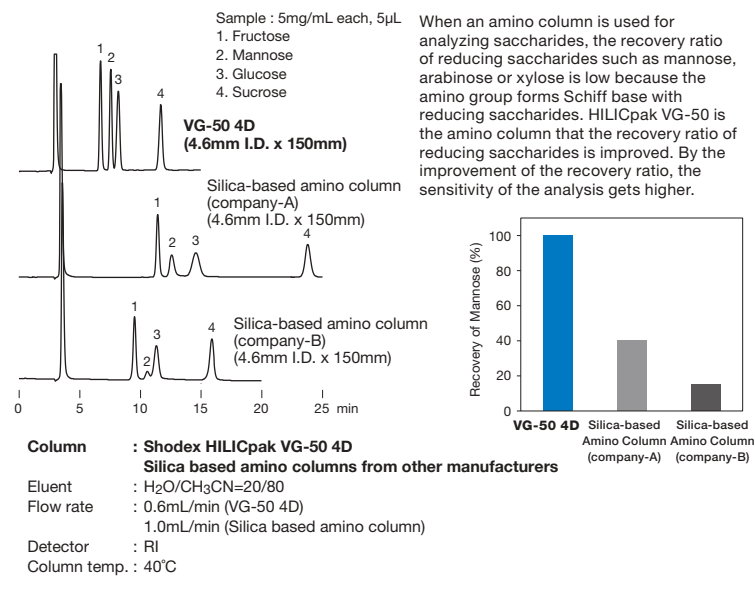
● VT-50

(Housing Material : PEEK)

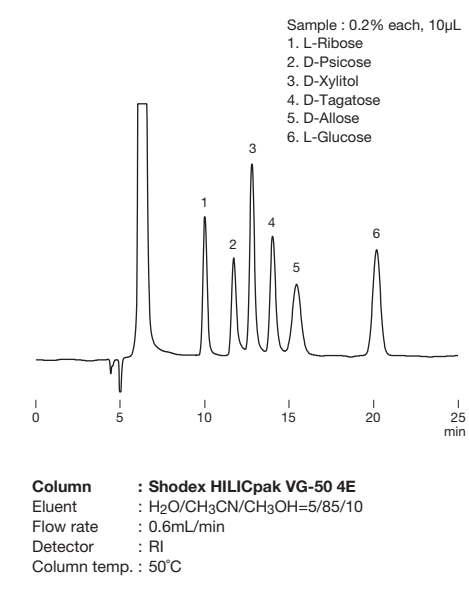
Product Code	Product Name	Plate Number (TP/column)	Functional Group	Particle Size (μm)	Pore Size (Å)	Column Size (mm) I.D. x Length	Shipping Solvent
F7630400	New HILICpak VT-50 2D	≥ 4,500	Quaternary ammonium	5	100	2.0 x 150	25mM HCOONH ₄ aq. /CH ₃ CN=15/85
F6711300	New HILICpak VT-50G 2A	(guard column)	Quaternary ammonium	5	100	2.0 x 10	25mM HCOONH ₄ aq. /CH ₃ CN=15/85

Base Material : Polyvinyl alcohol

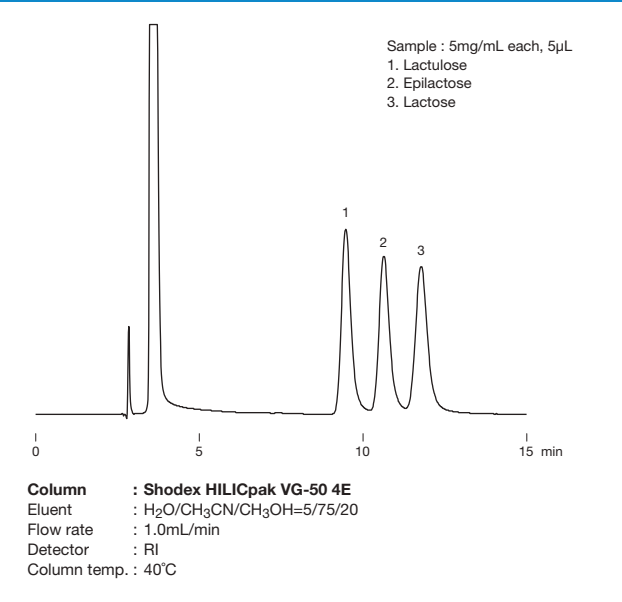
Recovery of reducing sugar



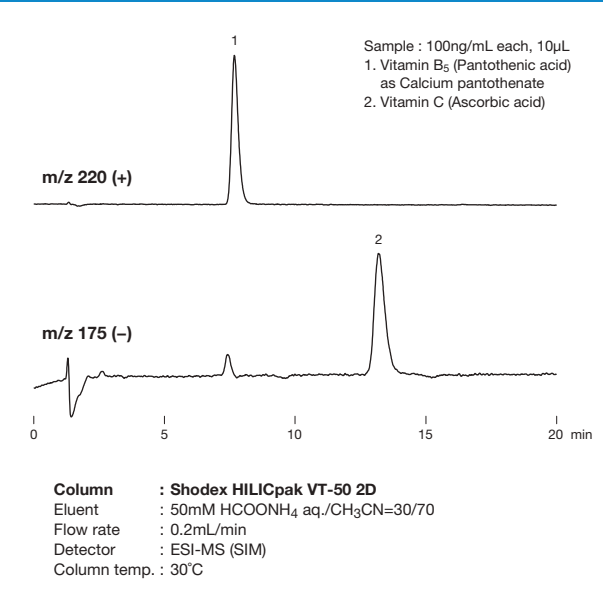
Rare sugar



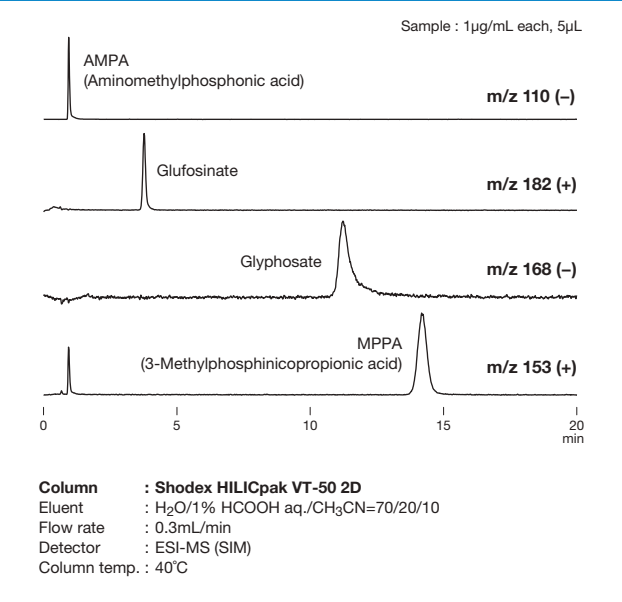
Lactose, epilactose, and aactulose



LC/MS analysis of pantothenic acid and vitamin C



LC/MS analysis of glyphosate and glufosinate



LC/MS analysis of phosphorylated saccharides

