

HILICpak VG-25: Stable Baselines with Charged Aerosol Detection

Shodex introduces the VG-25 polymer-based amino column, designed for HILIC separations with charged aerosol detectors (CAD). Minimal component release ensures low noise and a stable baseline, comparable to VG-50. Tested with common saccharides—fructose, mannose, glucose, sucrose—the VG-25 delivers reliable, reproducible results, outperforming conventional silica-based amino columns.

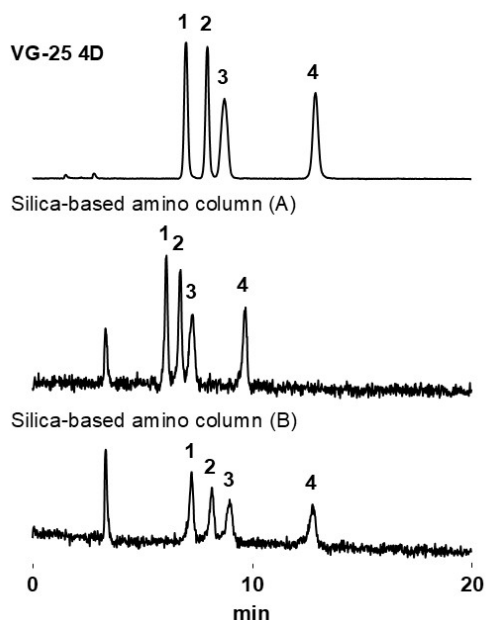
Chromatographic Conditions:

- **Column:** Shodex HILICpak VG-25 4D, Silica-based amino columns from other manufacturers (4.6 mm I.D. x 150 mm each)
- **Eluent:** H₂O/CH₃CN=20/80
- **Flow rate:** 0.6 mL/min
- **Detector:** Charged aerosol
- **Column temp.:** 40 °C

Sample preparation:

Sample: 5 µL

40 µg/mL each: 1- Fructose 2- Mannose 3- Glucose 4- Sucrose



Column	S/N (Sucrose)
VG-25 4D	96
Silica-based amino column (A)	2.8
Silica-based amino column (B)	1.9