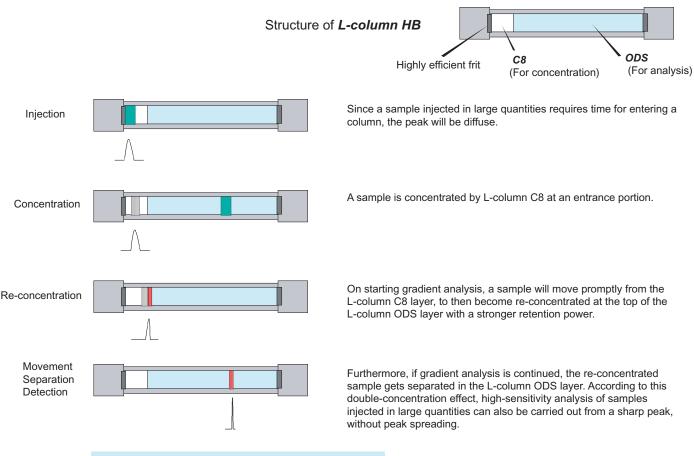
High sensitivity analysis column for LC/MS

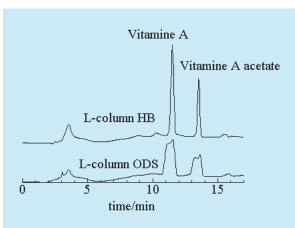


Patent Pending

The demand for LC/MS is increasing in the field of medicine and environmental sciences. Trace analysis is often required in these fields. However, it is difficult to inject a large volume sample because the semi-micro column has a small diameter. Although a large-volume sample could be injected using the column-switching method, exclusive equipment, complicated operation, and complicated maintenance management are required.

L-column HB is packed up to one column with the packing material for concentration and for analysis at a hybrid, and it demonstrates power for high-sensitivity analysis because of the large volume (more than 100μ L) of the sample injection.





Analysis of 100µL Vitamin A

Sample: 1µg/mL Vitamin A, Vitamin A acetate in Acetonitrile
Sample Volume: 100µL
Column Temp.: 40°C
Flow rate: 0.15mL/min
Mobile phase: A) Methanol, B) Water
80-100% A (0-5 min , linear)
100% A (5-20 min)