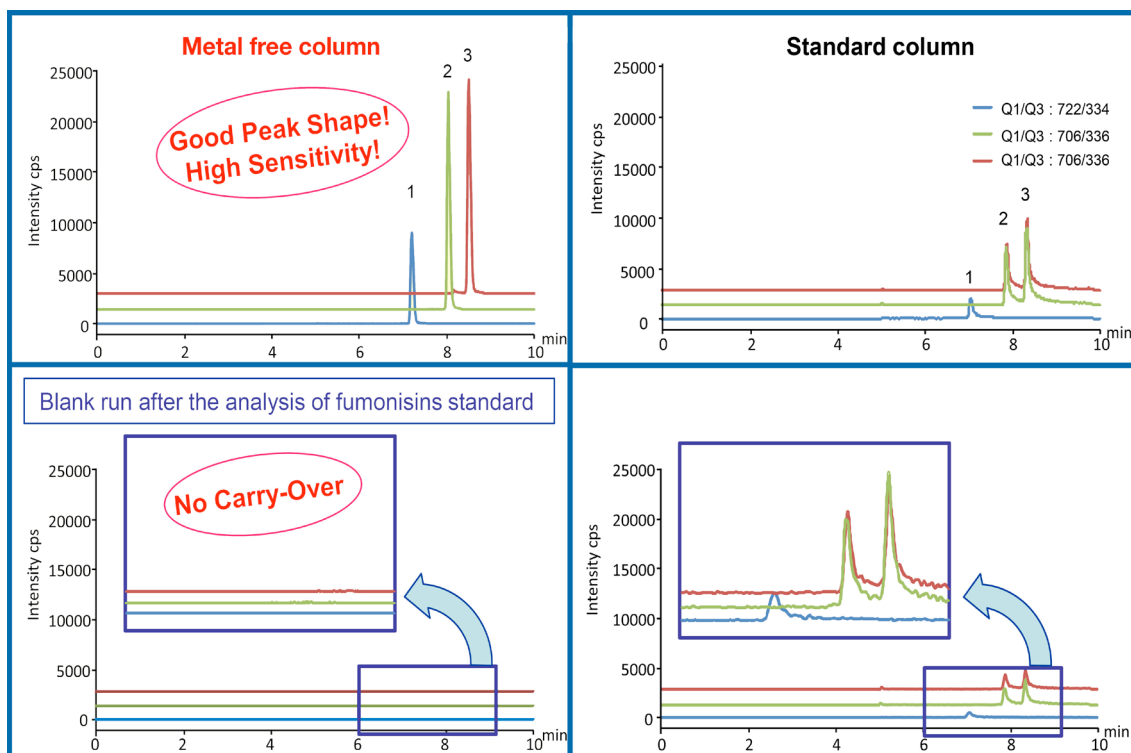
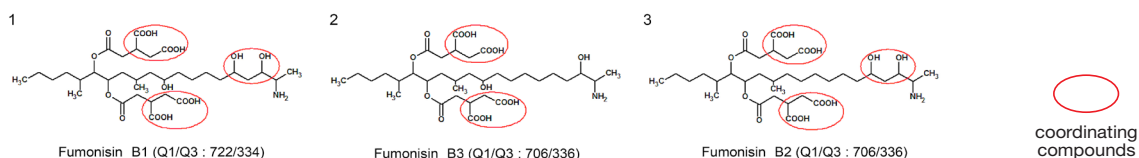
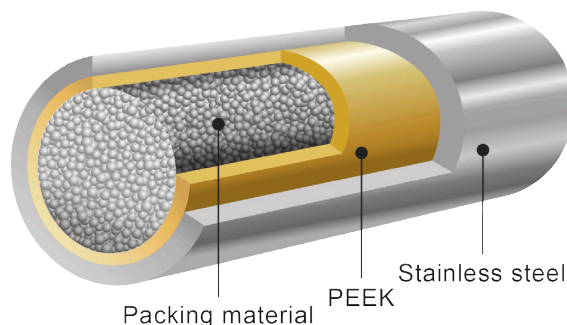


Improving your LC/MS results!



You are working within bio-separations or with coordinating/chelating compounds? You are observing poor resolution? One source of your issue might be your analytes interacting with your column hardware. Therefore, optimizing your LC-result by employing metal free columns!

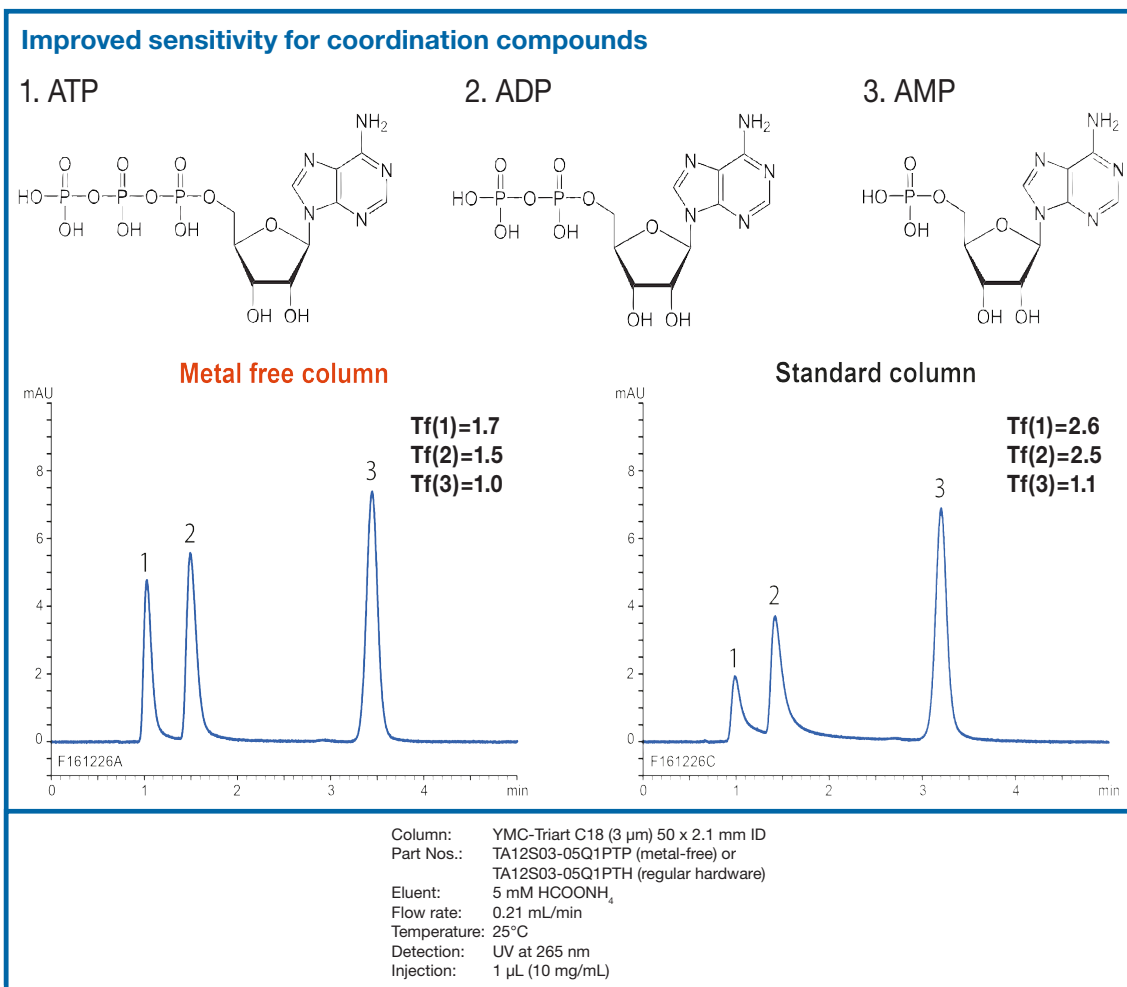
1. Obtain excellent resolution and great sensitivity
2. No carry-over effects
3. Reproducible results day-after-day!



Column: YMC-Triart C18 (3 μ m, 12 nm) 150 x 2.1 mm ID
 Part No.: TA12S03-15Q1PTP
 Eluent: A) water/HCOOH (100/0.1)
 B) acetonitrile
 25-50% B (0-5 min), 50% B (5-8 min), 50-90% B (8-10 min)
 Flow rate: 0.2 ml/min

Temperature: 40 °C
 Detection: ESI, positive
 Scheduled MRM (Metal free column)
 MRM (Standard column)
 Injection: 5 μ L (0.1 mg/mL)
 Instrument: LC) Shimadzu Prominence UFLC, MS) AB Sciex 3200 QTRAP

Improving your LC/MS results!



Metal coordinating compounds, which have a phosphate group in their structure tend to show poor peak shape by interacting with metals, such as the stainless steel in column bodies and frits. By using the metal-free column hardware, better peak shapes can be expected. Nucleotides with phosphate groups show better peak shapes when compared to the regular column hardware. The metal-free column hardware is very suitable for highly sensitive analyses using LC/MS.