

Unison Cadenza

10 x 2 mm

Technical

High-throughput column features

10 x 2 mm Unison **UK-C18**

Unison UK-C18
10 x 2 mm
(A) water
(B) acetonitrile
0-100%B (0-30sec)
1.0 mL/min (5.5MPa)
37deg.C, 270nm
1uL
alkylparabens (C1 - C7)

2500th
2000th
1500th
1000th
500th
1st

0 10 20 sec

High-speed analysis with a long lifetime

.....

High-speed 10mm length
Dramatically shorten your column size by using a 10mm column instead of the conventional 20-35mm column for high-speed analysis

Analysis time: 20-60 seconds (10-20mm L)
t0 is only 2 seconds (10 x 2mm, 1mL/min). This means separation starts in a few seconds...high-speed separation

High-resolution (3um particle)
Separation efficiency that elutes one peak in about 2 seconds (left chromatogram: 10mm column)

Long lifetime
Designed to provide greater than 2000 injections of gradient analysis

Proprietary hardware design
High-pressure packing and original column design to provide high resolution and long column lifetime

High-resolution 3um particle
Low pressure/high-resolution packing material successfully developed for our Cadenza and Unison 3um products

Conventional high-speed analytical columns are 20-35mm in length. Some manufacturers provide 10mm length columns as a cheap cartridge but these suffer from poor column lifetime.

Our 10mm length column offers a high-pressure packed column with our proprietary hardware design that offers superior column lifetime and separation efficiency. We have optimized the distributor and frit structure within the end-fitting to achieve this impressive offering.

As a result, you can elute one peak in about 2 seconds and achieve more than 2000 injections of gradient analysis with this high-efficiency column.

Along with our proprietary empty column design, our high-throughput column is high-pressure packed with a high-efficiency 3um particle to make your analysis more efficient.