

To whom it may concern

Munich/Gräfelfing February 14th, 2022

We, the Chromsystems Instruments & Chemicals GmbH wish to inform you that the Chromsystems columns have been validated, quality assured and fully tested to provide an average lifetime of at least 1000 tests (dependant on single column performance the lifetime can vary between 650 injections and 1400 injections).

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Improper column handling and the rinsing with non recommended solutions can have a negative impact on the column lifetime. A column treatment in accordance with the Chromsystems manuals (f.e. recommended use of a pre-column) will prolong the columns lifetimes.

For Chromsystems pre-columns and pre-filters there is an average lifetime of 500 injections. As the pre-filters lifetime strongly depends on the working conditions, under several circumstances a more frequent replacement of the pre-filters can get necessary.

The measurement outcomes with Chromsystems reagents and calibrators and controls offer a good indication on when a column lifetime expires. In range controls measurement results are a strong indicator for a column 's well function.

Yours faithfully

Area Sales Manager

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